



PHYXIUS
Minnesota employee right-to-know program

General company policy

The purpose of this notice is to inform you our company is complying with the Minnesota OSHA Employee Right-to-Know standard by providing you with training about the hazardous materials, harmful physical agents and infectious agents you are exposed to on the job. As part of this effort, we have compiled a list of the hazardous chemicals used in our facility, collected material safety data sheets (SDS) from our vendors for these chemicals, received reference material about the other harmful agents employees are exposed to, ensured that containers are labeled and signs are present in the hazardous areas.

This program applies to all work operations in our company where you may be exposed to hazardous substances, harmful physical agents or infectious agents under normal working conditions or during an emergency situation.

Brandon Jensen is the Safety Director. See the “Safety Committee Policy and Procedures” for more information. Copies of all our written safety programs are at each location in the Safety Book as well as in the online STAR portal.

With this program, you will be informed of the contents of the Minnesota OSHA Employee Right-to-Know standard, the hazardous properties of the chemicals you work with, safe handling procedures and measures to take to protect yourselves from these chemicals. You will also be informed of the hazards associated with nonroutine tasks and the hazards associated with chemicals in unlabeled pipes.

Training

Everyone who works with or is potentially exposed to hazardous chemicals, harmful physical agents or infectious agents will receive initial training about the Employee Right-to-Know standard and the safe use of those chemicals or agents prior to work assignment. A program has been prepared for this purpose and is outlined below. Whenever a new hazard is introduced, additional training will be provided. Training updates will be performed at least annually and may be brief summaries of information included in previous training sessions. The Program Leaders and the Safety Director are responsible for ensuring this training is provided.

Training plan

The employee right-to-know training will include:

- a summary of the standard and this written program;
- the chemical and physical properties of hazardous materials and methods that can be used to detect the presence or release of chemicals (including chemicals in unlabeled pipes);
- the physical hazards of chemicals (e.g., potential for fire, explosion, etc.);
- the name of the substance or agent and the level, if established, at which exposure to the hazard has been restricted according to standards adopted by the commissioner, or, if no standard has been adopted, according to guidelines established by competent professional groups;
- the health hazards, including signs and symptoms, associated with exposure to chemicals, harmful physical agents and infectious agents, and any medical condition known to be aggravated by exposure to these hazards;
- the procedures to protect against those hazards (e.g., use and maintenance of personal protective equipment; work practices or methods for proper use and handling of chemicals; and procedures for emergency response);
- the work procedures to follow to assure protection when cleaning up incidental spills and leaks of hazardous chemicals;
- the location in the facility where SDSs, physical agent data sheets (PADSs) and infectious agents information can be found;
- instruction about how to read and interpret the information on labels, SDSs and PADSs; and
- direction about how employees may obtain additional hazard information.

Records of training will be maintained for a minimum of three years in OSHA Book or online via STAR and will include:

- the dates of training;
- the name, title and qualifications of the person/company who conducted the training;
- the names and job titles of the employees who completed the training; and
- a brief summary or outline of the information that was included in the training session.

Policy reviewed/revised approved by: Amy Larson, March 2025

List of hazardous chemicals: found in the attachment at the end

The Program Leader/Supervisor/Director has created the list of all hazardous substances and related work practices in the facility and will update the list as necessary. The list of chemicals identifies all of the chemicals used in work areas. A separate list is available for each individual work area. Any required SDS can be found in the SDS tab in the OSHA Book.

List of harmful physical agents: There are no harmful physical agents at any Phyxius Inc. facility.

List of infectious agents: There are no infectious agents at any Phyxius Inc. facility.

Safety data sheets (SDSs formally MSDS)

SDS provide you with specific information about the chemicals you use. The Safety Director will maintain a binder titled “OSHA BOOK” at each facility with an SDS about every substance on the list of hazardous chemicals identified in the facility.

The Safety Director or designee is responsible for acquiring and updating SDSs. He or she will contact the chemical manufacturer or vendor if additional research is necessary, or if an SDS has not been supplied with an initial shipment. All new materials to be brought into the facility must be cleared by the Safety Director.

Labels and other forms of warning

The Program Leader/Safety Director will ensure all hazardous chemicals in the facility are properly labeled and updated as necessary. Manufacturer's container labels should be left on the containers if possible and must list, at a minimum, the chemical's identity, the appropriate hazard warning, and the name and address of the manufacturer, importer or other responsible party.

If you transfer chemicals from a manufacturer's container into another container, the new container must have a label that identifies the chemical identity and any appropriate hazard warning. Immediate-use containers, which are containers of hazardous substances remaining under the control of one employee *and* that are emptied during the same work shift, need not be labeled.

Pipes or piping systems do not have to be labeled, but their contents will be described in the training session.

Non-routine tasks

When you are required to perform hazardous nonroutine tasks, a special training session will be conducted by the Program Leader/Supervisor to inform you regarding the hazardous chemicals you might be exposed to and the proper precautions to take to reduce or avoid exposure. SDS will be available about the hazardous chemicals used. The Safety Director is responsible for ensuring about this training is provided.

Phyxius is not a Multi-employer workplace

Reporting:

Employees who have experienced a work-related injury should refer to the Phyxius Workers Compensation Policy for further direction. Workers have the right to report their own work-related inpatient hospitalizations, amputations, and all losses of an eye within 24 hours. This report is made directly to OSHA and is free from retaliation by the employer. If you choose to call this report in yourself, the toll-free number for MNOSHA is: 1-877-470-6742 You must call during their regular business hours of 8am-4:30pm Mon-Fri. If calling outside normal hours you may call the Federal OSHA: 1-800-321-6742.

Frequency of training:

The Safety Director will review our employee training program on a regular basis and will advise management regarding initial or annual refresher training needs. Retraining is also required whenever a new hazard is introduced into the workplace. As part of the assessment of the training program, the OSHA Safety Director will obtain input from employees regarding the training they have received and their suggestions for improving it. This review will be performed annually; necessary revisions will be made to ensure currency and applicability.



Safety Director:

3/25/25

Date:

Bloodborne Pathogen Exposure Control Plan

Responsibility:

The Program Leader/Supervisor shall be responsible for ensuring their employees comply with the provisions of this plan. The company will provide all necessary supplies such as personal protective equipment (ie. glasses and masks), soap, bleach, Hepatitis B vaccinations, etc.

Work Practice and Controls:

Universal precautions will be observed by all employees in order to prevent contact with blood or other potentially infectious materials. All blood or other potentially infectious materials will be considered infectious regardless of the perceived status of the source individual.

1. Employees must wash their hands or other skin with soap and water, or flush mucous membranes with water, as soon as possible following an exposure incident.
2. Employees must wash their hands immediately after removal of gloves or other personal protective equipment.
3. Employees who encounter improperly disposed needles shall notify their Program Leader/Supervisor. Needles shall be disposed of in labeled sharps containers.
 - Needles should never be recapped
 - Needles may be moved only by using a mechanical device or tool (forceps, pliers, broom and dust pan).
4. Breaking or shearing of needles is prohibited.
5. No eating, drinking, smoking, applying cosmetics or lip balm, or handling contact lenses is allowed in a work area where there is a reasonable likelihood of occupational exposure.
6. Employees must perform all procedures involving blood or other potentially infectious materials in such a manner as to minimize splashing, spraying, and generation of droplets of these substances.

Housekeeping:

Decontamination will be accomplished by utilizing the following materials:

1. A disinfectant. EPA registered would be preferred
2. All contaminated work surfaces, tools, objects, ect., will be decontaminated immediately after any spill of blood or other potentially infectious materials. The disinfectant must be left in contact with the contaminated surface for at least 10 minutes before cleaning.
3. Equipment that may become contaminated with blood or other potentially infectious materials will be examined prior to use.
4. Broken glassware will not be picked up directly with the hand. Sweep or brush the material into a dustpan.
5. Known or suspected contaminated sharps shall be discarded immediately into sharps containers that are labeled with the appropriate biohazard label.
6. When containers of contaminated sharps are being moved from area of use or discovery, the containers shall be closed before removal or replacement to prevent spillage or protrusion of contents during handling, storage, or transport.
7. Reusable containers shall not be opened, emptied, or cleaned manually or in any other manner that would expose employees to the risk of injury

Laundry Procedures:

Laundry contaminated with blood or other potentially infectious material will be handled as little as possible. Such laundry will not be sorted or rinsed in the same area as regular laundry.

Personal Protective Equipment:

The company will provide gloves, face shields, eye protection, and aprons at no cost to employees. The employees must:

1. Utilize protective equipment in occupational exposure situations
2. Remove garments that become penetrated by blood or other potentially infectious material immediately.
3. Remove all garments that are torn or punctured, or that lose their ability to function as a barrier to bloodborne pathogens.
4. Remove all personal protective equipment before leaving the work area.
5. Place all garments in the appropriate designated areas or container for storage, cleaning, decontamination, or disposal.

Hepatitis B Vaccine:

The Hepatitis B vaccination shall be made available after the employee has received the training in occupational exposure and within 10 working days of initial assignment. It shall be made available to all employees who have potential occupational exposure unless the employee has previously received the complete Hepatitis B vaccination series, antibody testing has revealed that the employee is immune, or the vaccine is contraindicated for medical reasons.

If the employee initially declines Hepatitis B vaccination, but at a later date decides to accept the vaccination, the vaccination shall then be made available.

All employees who decline the Hepatitis B vaccination offered shall sign the OSHA required waiver indicating their refusal.

If a routine booster of Hepatitis B vaccine is recommended by D.S Public Health Service at a future date, such booster doses shall be made available at no cost to the employee.

The Hepatitis B vaccine shall be offered to all staff that work with clients.

Post-Exposure Evaluation and Follow-up:

All exposure incidents shall be reported, investigated, and documented. All exposure incidents shall be reported immediately to a supervisor.

Following a report of an exposure incident, the exposed employee shall go to the nearest medical facility for a confidential medical evaluation and follow-up, including at least the following elements:

1. Documentation of the route(s) of exposure.
2. A description of the circumstances under which the exposure occurred.
3. The identification and documentation of the source individual (The identification is not required if the employer can establish that identification is impossible or prohibited by state or local law.)
4. The collection and testing of the source individual's blood for testing for HBV and HIV serological status if possible.
5. Post-exposure treatment for the employee, when medically indicated in accordance with the U.S. Public Health Service.
6. Counseling.
7. Evaluation of any reported illness.

The healthcare professional evaluating an employee will be provided with the following information:

1. A copy of this plan.
2. A copy of the OSHA Bloodborne Pathogen regulations (29 CFR 1910.1030)
3. Documentation of the route(s) of exposure
4. A description of the circumstances under which the exposure occurred.
5. Results of the source individual's blood testing, if available.
6. All medical records applicable to the treatment of the employee, including vaccination status.

The employee will receive a copy of the evaluating healthcare professional's written opinion within 15 days of the completion of the evaluation.

The healthcare professional's written opinion for Hepatitis B vaccination is limited to the following:

1. Whether the employee needs a Hepatitis B vaccination.
2. Whether the employee has received such vaccination.

The healthcare professional's written opinion for post-exposure evaluation and follow-up is limited to the following information:

1. That the employee was informed of the results of the evaluation
2. That the employee was informed about any medical conditions resulting from exposure to blood or other infectious materials that require further evaluation or treatment.

All other findings or diagnoses will remain confidential and will not be in written report.

All medical evaluations shall be made by or under the supervision of a licensed physician or by or under the supervision of another licensed healthcare professional. An accredited laboratory at no cost to the employee must conduct all laboratory tests. All medical records will be kept in accordance with 29 CFR 1910.1020.

Training:

All employees shall participate in a training program. Training will occur prior to being assigned to a task where occupational exposure may take place and at least annually thereafter. Additional training will be provided when changes such as a modification of tasks or procedures occur.

Any employee who is exposed to infectious materials shall receive training, even if the employee was allowed to receive the HBV vaccine after exposure.

Hepatitis B Vaccine

___Acceptance

I understand that due to my occupational exposure to blood or other infectious materials that I may be at risk of acquiring Hepatitis B virus infection. I have been given the opportunity to be vaccinated with the Hepatitis B vaccination at no charge to myself. **I accept the Hepatitis B vaccination at this time.** I understand that it is my responsibility to go to the clinic of my choice within 14 days of this signature and receive the vaccine. I will give the bill to Phyxius Inc. to pay. Failure to receive the vaccine within this timeline may cause me to be removed from the schedule, or other disciplinary action. Failure to submit a bill from the clinic to Phyxius for the vaccine may result in non payment.

OR

___Declination

I understand that due to my occupational exposure to blood or other infectious materials that I may be at risk of acquiring Hepatitis B virus infection. I have been given the opportunity to be vaccinated with the Hepatitis B vaccination at no charge to myself. However, **I decline the Hepatitis B vaccination at this time.** I understand that by declining this vaccination, I continue to be at risk of acquiring Hepatitis B, a serious disease. If in the future I continue to have occupational exposure to blood or other potentially infectious materials and I want the Hepatitis B vaccine, I can receive the vaccination series at no charge to me.

(print name) _____

(date) _____

(signature) _____

A Workplace Accident and Injury Reduction Program (AWAIR)

How managers, supervisors and employees are responsible for implementing the program and how continued participation of management will be established, measured and maintained; All team members must follow all safety rules. Owners, Directors, AD, Supervisors will be responsible for authorizing and funding the AWAIR program, writing safety policies, investigating accidents/injuries, creating a culture of safety and compliance. Program Leaders and Assistant PL's will serve as safety coaches in the areas they work. They will fairly and uniformly enforce safety rules, provide guidance and training, assist in accident/injury interviews, fill out First Report of Injury paperwork, Incident Report/Internal Investigations when needed, and work closely with the Safety Director/Designee. Direct Care Staff and Office Advisors will observe all safety requirements, complete ongoing safety training, be competent in Therapeutic Intervention (DCS), make a timely report of hazards and accidents/injuries (within 24 hours).

The methods used to identify, analyze and control new or existing hazards, conditions and operations; Phyxius maintains a Safety Committee, safety policies and procedures, staff training (at hire, annually and as needed), and direct communication to and from all employees. Annually all safety data will be reviewed, compared to previous years, presented, and analyzed. Refer to the specific safety policies for additional details.

How the plan will be communicated to all employees so they are informed of work-related hazards and controls; In addition to in-person conversations and phone calls, Deputy is our main communication tool for all employees and management to use amongst each other. We have safety training for new and existing employees, on-sight copies of our Employee and Client Policy book and Safety book containing all safety polices and procedures for reference, online training portal, safety postings at each location.

How workplace accidents will be investigated and corrective action implemented; Injuries/accidents are to be reported to the direct supervisor (Program Leader, Assistant PL, Office Supervisor, Operations Supervisor, Assistant Director, Director, Owners) as soon as possible but within no more than 24 hours. The direct supervisor has the most understanding of the site specifics as well as the employee so they will interview the employee and any witnesses, fill out the First Report of Injury including documented witness statement, if applicable, and Incident Report/Internal Investigation if the injury was serious or caused death. They will contact the Safety Director/Designee who will review the First Report of Injury paperwork and any other documents and process it. The Safety Director/Designee will interview the injured employee/witnesses to get additional details surrounding the accident/incident when necessary. A member of the Safety Committee will report to the accident site to investigate any unusual circumstances or any serious injury or death. Any additional training or corrective action needed, or environmental/program changes will be presented by the Safety Director/Designee to the Director team within 24 hours.

How safe work practices and rules will be enforced. The safety of all our employees and clients is very important. Failure to follow safe work practices may lead to employee counseling, a reduction of hours, relocation, or termination. Staff will be required to stay current with safety training to remain on the schedule. Refer to the Employee & Client Policy Book and safety policies and procedures for additional details.



Safety Committee Policy and Procedures

To help in the detection and elimination of unsafe conditions and work procedures, we maintain a Safety Committee with representation from employees and management.

An active Safety Committee can be an important tool for implementing an effective AWAIR program. The Safety Committee will keep the scope of their work to only health and safety in the workplace.

Procedure:

- The Safety Director will be designated and will serve as the lead person for safety and health issues and be a member of the Safety Committee.
- The Safety Director will review all accident investigation reports with the Safety Committee and take appropriate action to prevent reoccurrence.
- The Safety Director will complete and manage all work comp duties including working directly with our insurance carrier, First Report of Injuries, Return to Work, Suitable Job Offer, Restrictions, etc.
- The Safety Director will assist with OSHA requirements annually and as needed.
- The Safety Director will work with the Supervisors/Program Leaders to ensure they are training team members properly at each location to assure a safe workplace.

- Employees shall elect a fellow worker to represent them on the committee. The method of voting is optional.

- Employees on the Safety Committee will be paid their regular base wage when working on Safety Committee duties. Overtime will not be allowed.

- The term of employee-elected member shall be a maximum of one year. When a vacancy occurs on the committee a new member shall be elected.

- The Chairperson and Secretary (who will be taking the meeting notes/minutes) will be elected by the committee.

- We will have regularly scheduled meetings. At least quarterly. Specifically, we will plan to meet on Wednesday's at 1pm on or about Feb 15, May 15, Aug 15 and Nov 15 of each year. Additional meetings will be scheduled PRN if the committee determines necessary.

- Meetings will be held via Zoom to encourage participation and social distancing. We will encourage all members to attend every meeting. The length of each meeting shall not exceed one hour except by majority vote of the safety committee.

- Those in attendance, subjects discussed, and recommendations shall be documented and maintained on file electronically. Copies of the minutes must be provided to owners/Directors at the next Director meeting and provided to employees by posting on the bulletin board in each group home/office.



-The committee will appoint members responsible for safety committee duties such as:

Conduct in-house safety inspections.

Assist in accident/injury investigation.

Review accident/injury reports and recommend corrective action.

Monitor safety and address environmental complaints/concerns.

Accept and evaluate employee safety suggestions.

Review job procedures with safety in mind and recommend environmental/safety improvements.

Review and provide input for the creation/modification of workplace safety and health rules and policies at least annually.

Review and make recommendations based on previous years review of annual OSHA300 logs, work comp incidents, COVID case review, and any other health/safety data tracked.

Promote and communicate safety.

Ensure new employees are being trained about safe working procedures.

Present safety and health information at regularly scheduled staff/team meetings.

Attached tool:

-Inspection Checklist

ALPHA House Chemical Use List	
Chemicals	Amount of Use
All Laundry Pods	Daily
Hand Sanitizer	Daily
Clorox Toilet Bowl Cleaner	Daily
Dial Antibacterial Hand Soap	Daily
Car Wash Soap	Summer months Monthly
Bug Defense Spray	Quarterly
Clorox Disinfectant Wipes	Daily
Clorox Disinfectant Spray	Daily
Windex	Daily
Bleach	Daily
Multipurpose Cleaner	Daily
Antibacterial All-purpose Cleaner	Daily
Uric Acid	Weekly
Vinegar Cleaner	Daily
Shower Cleaner (Dish soap and vinegar)	Weekly
Upholstery Cleaner	Weekly
Easy Off Oven Cleaner	Monthly
Dish Soap	Daily
Dish washer pods	Daily
Rinse Aid	Weekly
Stain Remover	Weekly
WD-40	Quarterly
Great Value Carpet Cleaner	Monthly
Great Value Mold and Mildew	Yearly
OboBan Sanitizing Spray	Daily
Pledge Surface Spray	Daily
CLR Septic Treatment	Monthly
Purell Surface Disinfectant	Daily
Fabuloso Multi-Purpose cleaner	Weekly
Bathroom Cleaner with Bleach	Weekly
Febreze	Daily
Pledge Wood polish	Weekly
Clear Ammonia	Monthly

Beta House Chemical Use List	
Chemicals	Amount of Use
Purex free & clear Laundry Detergent	Daily
Germ X Hand Sanitizer	Daily
Dial Antibacterial Hand Soap	Daily
Great Value Disinfectant Wipes	Daily
Great Value Disinfectant Spray	Daily
Windex	Daily
Great Value low splash Bleach	Bi-Weekly
Soft Scrub	Weekly
Shower Cleaner	Weekly
Great Value Pledge	Daily
409 Multipurpose Cleaner	Daily
Easy Off Oven Cleaner	Monthly
Bug Spray	As needed
Lysol Toilet Bowl Cleaner	Daily
Fabuloso/Pine Sol	Daily
Great Value Distilled Vinegar	Daily

Delta Chemical List

Great Value Glass Cleaner - Daily
Dawn Dish Soap – Daily
Softsoap Hand soap – Daily
Lysol Toilet Bowl Cleaner – Daily
Lysol Lemon Scent All Purpose Cleaner – Daily
Great Value Foaming Bathroom Cleaner – Daily
Germ-x Hand Sanitizer – Daily
Great Value Fabric Freshener – Daily
Fabuloso Floor Cleaner Concentrate – Daily
Great Value Disinfecting Wipes – Daily
Great Value Disinfecting Spray – Daily
Glade Air Fresheners - Daily
Apothecary Home Antibacterial Soap - Daily
Member’s Mark Laundry Dishwasher Packs – Daily
Purell Hand Sanitizer – Daily

Member’s Mark Laundry Detergent Packs – Weekly
Clorox Bleach Spray – Weekly
Vinegar – Weekly
Woolite Carpet Cleaner – Weekly
Drain-O! Max Gel – Weekly
Scrubbing Bubbles Bathroom Grime Fighter – Weekly

Woolite Carpet Stainlift – Monthly
Uric Acid Eradicator – Monthly
Johnson & Johnson Draino Max Gel - Monthly
Sprayway Goodnight Bed Bug Spray (Permethrin Active) – Monthly
Sunscreen – Monthly
Spray Lubricant – Monthly

Epsilon Chemical List:

Dish Soap - Used Daily

Dishwasher Pods - Used Daily

Laundry Detergent - Used as needed or Daily

Airwick - Used Daily

Disinfectant Spray - Used Daily

Windex - Used on windows or mirrors Weekly

Bathroom Cleaner W/Bleach - Used in the sinks or bathroom tub Daily

Toilet Bowl Cleaner - Used Daily

Bleach - Used as needed

Liquid Plummer - Used as Needed in drains in showers or sinks

Disinfectant Wipes - Used Daily

Hand Soap - Used Daily in the Kitchen and Bathrooms

Multi-purpose Cleaner - Used Daily on the floors throughout the house

Oven Cleaner - Used Monthly

Hand Sanitizer - Used Daily or as needed

Lime-a-way - Used as Needed

WD 40 - Used as Needed

GAMMA

Items Used On a Daily Basis:

Scrubbing Bubbles - Used Daily
Dawn Dish Soap - Used Daily
Equate Hand Soap - Used Daily
Lysol and No Works Toilet Bowl Cleaner – Used Daily
Great Value or Windex Glass Cleaner - Used Daily
No Works Shower Cleaner - Used Daily
Members Mark Hand Sanitizer - Used Daily
Disinfectant Wipes and Spray - Used Daily
All Laundry Detergent - Used Daily
Febreze - Used Daily
Fabuloso or Pinsol for floors - Used Daily
Uric Acid Eradicator

Items Used On a Weekly Basis:

Clorox Bleach - 2-3 times a week
Pledge - 2 times a Week
Pine Sol - 3 times a week
Mr. Clean Antibacterial -2 times a week
Vinegar - 3 times a week
Kabook Foamtastic Shower Cleaner - Weekly

Items Used On a Monthly Basis:

Draino - 1 time a month as needed for clogs
ProForce Oven and Grill Cleaner - 1 Time a Month
MOLDEX Instant Mold & Mildew Stain Remover

IOTA Chemical List

Great Value Glass Cleaner - Daily
Dawn Dish Soap – Daily
Softsoap Handsoap – Daily
Lysol Toilet Bowl Cleaner – Daily
Lysol Lemon Scent All Purpose Cleaner – Daily
Great Value Foaming Bathroom Cleaner – Daily
Germ-x Hand Sanitizer – Daily
Great Value Fabric Freshener – Daily
Fabuloso Floor Cleaner Concentrate – Daily
Great Value Disinfecting Wipes – Daily
Great Value Disinfecting Spray – Daily
Glade Air Fresheners - Daily
Apothecary Home Antibacterial Soap - Daily
Member's Mark Laundry Dishwasher Packs – Daily
Great Value Toilet Paper

Member's Mark Laundry Detergent Packs – Weekly
Arm and Hammer Laundry – Weekly
Clorox Bleach – Weekly
Vinegar – Weekly

Woolite Carpet Stainlift – Monthly
Uric Acid Eradicator – Monthly
Johnson & Johnson Draino Max Gel - Monthly
Sprayway Goodnight Bed Bug Spray (Permethrin Active) – Monthly

KALIMERA CHEMICAL LIST

DAILY

Dawn Dish Soap
Equate Anti-bacterial Hand Sanitizer
Equate Anti-bacterial Hand Soap
Cleaning Vinegar
Lysol Disinfectant Wipes
Lysol All Purpose Cleaner
Great Value Air Freshener
Great Value Glass Cleaner
Great Value Toilet Bowl Cleaner
70% Isopropyl Alcohol

WEEKLY

Tide Laundry Pods
Distilled White Vinegar
Upholstery Carpet Cleaner

AS NEEDED

Lysol Hydrogen Peroxide Bathroom Cleaner
Baking Soda
STEM Ant and Roach Killer
Raid Ant Killer
OFF Tick Insect Repellent

Updated on March 2025

Kalinychta Chemical List:

Fabuloso - Daily

Air freshener - Daily

Lysol Spray - Daily

Lysol wipes - Daily

Hand soap - Daily

Dish soap - Daily

Lysol Toilet bowl Cleaner - Daily

Hand sanitizer - Daily

Laundry soap - Weekly

Pledge - Weekly

Lysol with Bleach Shower Spray - Weekly

Great Value Glass Cleaner – Weekly

Oven Cleaner - Monthly

Kalispera Chemical List

Dawn Dish Soap – Daily
Clorox Disinfecting Spray - Daily
Softsoap Hand Soap – Daily
Lysol Toilet Bowl Cleaner – Daily
Lysol Lemon Scent All Purpose Cleaner – Daily
Lysol Disinfectant Wipes – Daily
Lysol Disinfectant Spray - Daily
Great Value Foaming Bathroom Cleaner – Daily
Germ-x Hand Sanitizer – Daily
Walgreens Multipurpose Cleaner Concentrate – Daily
Windex Ammonia-Free - Daily
Great Value Disinfecting Wipes – Daily
Great Value Disinfecting Spray – Daily
Great Value Toilet Paper - Daily
Febreze Air Fresheners - Daily
Sprayway Glass Cleaner – Daily
Oxi-Clean Detergent Pods - Daily

Member's Mark Laundry Detergent Packs – Weekly
Clorox Bleach – Weekly
Vinegar – Weekly
Biotic365 Bio-enzymatic Cleaner & Odor Eliminator – Weekly
Great Value Oven Cleaner - Weekly

Woolite Carpet Stain Lift – Monthly
Comet Bleach Powder – Monthly
Comet Kitchen Cleaner Bleach Spray - Monthly
Uric Acid Eradicator – Monthly
Johnson & Johnson Drano Max Gel – Monthly
Pledge Dust and Allergen spray - Monthly

Omega House Chemical List

Chemicals	Amount of Use
Tide laundry soap	Daily
Germ X Hand Sanitizer	Daily
Soft Soap Antibacterial Hand Soap	Daily
Great Value Lysol Toilet Bowl Cleaner	Daily
Great value refresher	Daily
Clorox Disinfectant Wipes	Daily
Dr. X Disinfectant Spray	Daily
Windex	Daily
Great Value Oven Cleaner	Monthly
Lysol All-Purpose Cleaner	Daily
Great Value / Dawn Dish Soap	Daily
Pinesol	Daily
Oxy Clean	As Needed
Bona Floor cleaner	Daily
Febreze	As Needed
Microban Bathroom Cleaner	Daily
Tide Laundry Detergent	Daily
Soft Scrub Cleanser	As Needed
Fabuloso Multipurpose cleaner	As needed
Goo gone	As needed
Great value dishwasher pods	daily
Comet cleaner	As needed

Sigma House Chemical Use List	
Chemicals	Amount of Use
All Laundry Pods	Daily
Hand Sanitizer	Daily
Clorox Toilet Bowl Cleaner	Daily
Dial Antibacterial Hand Soap	Daily
Bug Defense Spray	Quarterly
Clorox Disinfectant Wipes	Daily
Clorox Disinfectant Spray	Daily
Windex	Daily
Bleach	Daily
Multipurpose Cleaner	Daily
Antibacterial All-purpose Cleaner	Daily
Vinegar Cleaner	Daily
Shower Cleaner (Dish soap and vinegar)	Weekly
Upholstery Cleaner	Weekly
Fabuloso Floor Cleaner	Daily
Goo Gone	Monthly
Easy Off Oven Cleaner	Monthly
WD-40	Quarterly
Dish Soap	Daily
Dish washer pods	Daily
Rinse Aid	Weekly
Stain Remover	Weekly

<i>Spiti House Chemical Use List</i>	
<i>Hand Soap</i>	<i>Daily</i>
<i>Dish Soap</i>	<i>Daily</i>
<i>Hand Sanitizer</i>	<i>Daily</i>
<i>Gain Dry Sheets</i>	<i>Daily</i>
<i>Gain / Tide Laundry Detergent</i>	<i>Daily</i>
<i>Vinegar</i>	<i>As Needed</i>
<i>Baking Soda</i>	<i>As Needed</i>
<i>Pledge Dust & Allergen</i>	<i>As Needed</i>
<i>Lysol Disinfectant Spray</i>	<i>Daily</i>
<i>Lysol Disinfectant Wipes</i>	<i>Daily</i>
<i>Spray Way Glass Cleaner</i>	<i>As Needed</i>
<i>Windex Glass Cleaner</i>	<i>Weekly</i>
<i>Scrubbing Bubbles Bathroom Grime</i>	<i>As Needed</i>
<i>Lysol Toilet Cleaner</i>	<i>Daily</i>
<i>Pine sol Floor Cleaner</i>	<i>Daily</i>
<i>CLR Mold & Mildew</i>	<i>As Needed</i>
<i>Lime Away</i>	<i>As Needed</i>
<i>Bleach</i>	<i>As Needed</i>
<i>Glade Air Freshener</i>	<i>Daily</i>
<i>Febreze Fabric Spray</i>	<i>Daily</i>
<i>Sun Screen</i>	<i>Summer Months</i>
<i>Bug Spray</i>	<i>Summer Months</i>
<i>Car Window Deicer</i>	<i>Winter Months</i>
<i>Car Wash Soap</i>	<i>Summer Months</i>
<i>All Purpose Spray</i>	<i>Daily</i>
<i>Bug Defense Spray</i>	<i>Summer Months</i>
<i>WD-40</i>	<i>As Needed</i>
<i>Spectracide Weed Killer</i>	<i>As Needed</i>

Tarasso Chemical List

- WD-40 Lubricant
- Drain-O Pipe Cleaner
- Great Value Toilet Bowl Cleaner
- Bleach
- Lysol & Great Value All-Purpose Cleaner
- Raid Bug Spray
- Old English Wood Surface Protector
- Easy-Off Oven Cleaner
- Windex
- Febreze Air Freshener
- Febreze Fabric Spray
- Cleaning Vinegar
- Dawn Dish Soap
- All Laundry Detergent
- All Dryer Sheets
- Driveway Salt
- Hand Sanitizer – Multiple brands
- Multipurpose Disinfectant Wipes
- Goo gone
- Fabuloso
- Equate Hand soap
- Lysol Multi-Purpose Cleaner
- Lysol Bathroom Cleaner
- Uric Acid Eradicator
- Great Value Stain Remover
- Great Value Disinfecting Spray

The Office Chemical List

Members Mark Dish Washer Pods - Daily
Seventh Generation Chlorine Free Bleach - Monthly
Glass Cleaner Spray - Weekly
7th Generation Dish Soap – Daily
Simple Green All-Purpose cleaner - Monthly
Zep Antibacterial Disinfectant with Lemon - Daily
Members Mark Disinfectant Wipes – Daily
Alcohol Mixture Hand Sanitizer - Daily
JR Watkins Hand Soap - Daily
Camera Lens Wipes - Monthly
Window Cleaner - Monthly

<i>Theta House Chemical Use List</i>	
<i>Hand Soap</i>	<i>Daily</i>
<i>Dish Soap</i>	<i>Daily</i>
<i>Hand Sanitizer</i>	<i>Daily</i>
<i>Gain Dry Sheets</i>	<i>Daily</i>
<i>Gain / Arm & Hammer Laundry Detergent</i>	<i>Daily</i>
<i>Vinegar</i>	<i>As Needed</i>
<i>Baking Soda</i>	<i>As Needed</i>
<i>Pledge Dust & Allergen</i>	<i>As Needed</i>
<i>Lysol Disinfectant Spray</i>	<i>Daily</i>
<i>Lysol Disinfectant Wipes</i>	<i>Daily</i>
<i>Spray Way Glass Cleaner</i>	<i>As Needed</i>
<i>Windex Glass Cleaner</i>	<i>Weekly</i>
<i>Scrubbing Bubbles Bathroom Grime</i>	<i>As Needed</i>
<i>Lysol Toilet Cleaner</i>	<i>Daily</i>
<i>Pine sol / Fabulous Floor Cleaner</i>	<i>Daily</i>
<i>CLR Mold & Mildew</i>	<i>As Needed</i>
<i>Lime Away</i>	<i>As Needed</i>
<i>Bleach</i>	<i>As Needed</i>
<i>Glade Air Freshener</i>	<i>Daily</i>
<i>Febreze Fabric Spray</i>	<i>Daily</i>
<i>Sun Screen</i>	<i>Summer Months</i>
<i>Bug Spray</i>	<i>Summer Months</i>
<i>Car Window Deicer</i>	<i>Winter Months</i>
<i>Car Wash Soap</i>	<i>Summer Months</i>
<i>All Purpose Spray</i>	<i>Daily</i>
<i>Bug Defense Spray</i>	<i>Summer Months</i>
<i>WD-40</i>	<i>As Needed</i>
<i>Weed Killer</i>	<i>As Needed</i>
<i>409 Antibacterial Cleaner</i>	<i>Daily</i>
<i>Easy Off Oven Cleaner</i>	<i>Monthly</i>
<i>Easy Off Grill Cleaner</i>	<i>Monthly</i>
<i>Dish Washer Pods</i>	<i>Daily</i>
<i>Uric Acid</i>	<i>Monthly</i>
<i>Arm & Hammer Laundry Detergent</i>	<i>Daily</i>

Zeta House Chemical List

Oven Cleaner – Monthly
Floor Cleaner - Weekly
Bug Spray - Monthly
Sun Screen - Weekly
Tide Pods - Weekly
Dryer Sheets - Weekly
Toilet Cleaner - Daily
Bathroom Cleaner - Daily
Disinfective Wipes - Daily



CANBERRA CORPORATION SAFETY DATA SHEET

1. Identification

Product Identifier: HUSKY 401 URIC ACID ERADICATOR

Application or recommended use: Bacterial cleaner and deodorizer

Restrictions on use: Do not use in any fashion not specified on the product label.

Manufacturer / supplier: Canberra Corporation

3610 N. Holland-Sylvania Rd.

Toledo, Ohio 43615 USA

Telephone: 419-841-6616 **Emergency phone:** 800-832-8992 **National Poison Center:** 800-222-1222

2. Hazards Identification

GHS Classification: Classification of this mixture in accordance with paragraph (d) of §1910.1200.

Eye Damage/Irritation - Category 2A

Label Elements:



Symbol:

Signal word:

WARNING

Hazard statements: Causes serious eye irritation.

Precautionary statements: Wash hands, face and any skin contact thoroughly after handling.

Wear eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Other Hazards: None known

3. Composition / Information on Ingredients

Chemical characterization: Mixture of water, detergents, bacterial spores and auxiliary agents.

Hazardous ingredients: The exact percentage of composition has been withheld as a trade secret.

1 - 1.4% Alcohol ethoxylate CAS 68439-46-3, EINECS/ELINCS NLP

1 - 1.4% Sodium dodecylbenzene sulfonate CAS 25155-30-0, EINECS/ELINCS 246-680-4

Other ingredients (> 1%):

> 90% Water CAS 7732-18-5, EINECS/ELINCS 231-791-2

4. First-Aid Measures

Symptoms: Irritation of affected areas. Causes serious eye irritation.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Inhalation: Move person to fresh air. If respiratory irritation or dizziness occurs, seek immediate medical assistance.

Skin Contact: Remove contaminated clothing and wash before reuse. Wash contaminated area with soap and water for 15-20 minutes. If irritation occurs, get medical advice/attention.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Immediately call a POISON CENTER or doctor/physician.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to a person who is unconscious or convulsing. If vomiting occurs, keep head below hips to reduce risk of aspiration.

Note to Physician: Treat exposed patients symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Not applicable. Product is not a fire hazard.

Unsuitable Extinguishing Media: High pressure water jet. **Specific hazards in case of fire:** None known.

Special Fire Fighting Precautions: Prevent human exposure to fire, smoke, fumes or products of combustion. Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

6. Accidental Release Measures

Emergency Procedures: Depending on the extent of release, consider the need for restriction of access to spill area.

Personal Precautions: Do not eat, drink or smoke during clean up. Wear protective clothing, eye protection and impervious gloves (e.g. neoprene). Wash thoroughly after clean up.

Environmental Precautions: Prevent spills from entering storm sewers/drains or contact with soil.

6. Accidental Release Measures (cont.)

Clean up Methods: Small spills may be wiped up and rinsed with water. For larger spills, contain spill with inert material (sand, clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water. Follow good industrial hygiene practices.

7. Handling and Storage

Precautions for Safe Handling: Read label before use. Avoid contact with skin or eyes. Wash hands, face and any skin contact thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, eye protection, face protection. Use product only according to label directions. If unsure about safe use, contact your supervisor.
Conditions for Safe Storage: Keep out of reach of children. Do not contaminate water, food or feed by storage and disposal. Store in tightly closed, original container in a cool (10° - 30°C), dry area.
Incompatibility: None known.

8. Exposure Controls / Personal Protection

Components with occupational exposure limits: None

Engineering Controls: Proper ventilation in accordance with good industrial hygiene should be provided.

Personal Protective Equipment

Respiratory: Respiratory protection is not necessary under normal conditions of use.

Gloves: Recommended.

Eye Protection: Chemical resistant goggles or face shield.

Other: Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals.

9. Physical and Chemical Properties

Physical State - Liquid	Auto-ignition temperature - Not applicable
Color - Light purple	Flash Point - None
Odor - Vanilla	Flammability - Not applicable
Odor Threshold - No data available	Flammability Limits - Not applicable
Boiling Point - 212°F	Partition coefficient - Not applicable
Decomposition temperature - No data available	Solubility (Water) - Complete
Freezing Point - 32°F	Vapor Density - No data available
pH (Neat) - 6.5 - 8.0	Vapor Pressure - No data available
Relative Density - 1.000	Viscosity - Water thin
Evaporation Rate - Similar to water	% VOC - < 1 (Excluding exempt material)

10. Stability and Reactivity

Reactivity: No specific reactivity test data is available for this mixture. Under normal conditions of storage and use, hazardous reactions are not expected.

Incompatible materials: Oxidizers.

Chemical stability: This product is stable at ambient temperatures and pressures.

Conditions to avoid: Temperatures above 50°C or below 10°C.

Hazardous decomposition products: None known.

11. Toxicological Information

Acute Toxicity: Toxicity data is not available for this mixture. Data below are estimates based on summation methods.

Test	Results	Classification (A.0.4.1(c))	Basis (A.1.3.6.1)
Oral	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Dermal	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Inhalation	> 20 mg/L	Not applicable	Ingredient literature (Additive formula)
Eye Damage/Irritation	Irritation	Category 2A	Ingredient literature
Skin Damage/Irritation	Not applicable	Not applicable	Ingredient literature

Summary: Skin and eye contact are most likely routes of exposure. Causes serious eye irritation.

Subchronic/Chronic Toxicity:

Test	Results	Classification	Basis
Skin Sensitization	Not a sensitizer	Not applicable	Ingredient literature.

Summary: Repeated or prolonged contact causes serious eye irritation.

Carcinogens - Ingredients are not listed on the NTP Report on Carcinogens, IARC Monographs or by OSHA

Other data - No other toxicological information is available for this mixture.

12. Ecological Information

This material has not been tested for acute environmental effects.

Persistence and degradability: Material is not persistent. All organic components > 1% are readily biodegradable.

Bio-accumulative potential: No evidence to suggest bio-accumulation will occur.

Mobility: Accidental spillage may lead to penetration of soil and groundwater.

13. Disposal Considerations

Do not contaminate water, food or feed by disposal. If these materials cannot be disposed of by use according to label directions, contact your State Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance. Rinse container promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. If container is one gallon or less, wrap empty container in plastic bag and discard in trash.

14. Transport Information

Proper Shipping Name: Not regulated **RQ - Not Applicable**
Shipping emergency phone: 800-424-9300
Transport hazard class: Not Applicable **Hazard Label:** Not Applicable
Packing Group: Not Applicable **Emergency Guide No.:** Not Applicable **Marine Pollutant:** No

15. Regulatory Information

Inventory status: All components are listed on TSCA(US), EINECS/ELINCS(EU), DSL(Canada), AICS(Australia), ENCS(Japan).

OSHA Hazard Communication Standard: This product meets the §1910.1200 definition of a "Hazardous Chemical".

Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Sections 311 and 312

Immediate (Acute) Health Hazard	Yes	Delayed (Chronic) Health Hazard	No
Fire Hazard	No	Reactive Hazard	No
Sudden Release of Pressure Hazard	No		

Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Section 313

*Chemicals marked with an asterisk in "**3. Composition/Information on Ingredients**" are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372.

Pennsylvania/New Jersey/Massachusetts Right to Know

See "**3. Composition/Information on Ingredients**" for hazardous and top five ingredients over 1% (w/w).

California Proposition 65: This product does not contain a listed substance known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

16. Other information

Date issued: 31. 12. 2014 **F401-001 Revision:** N/A

Disclaimer: No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable regulations governing the use and disposal of this material. **Prepared by:** R&D, Canberra Corporation



SAFETY DATA SHEET

1. Identification

Product number 1000001195
Product identifier **DON'T LET THE BED BUGS BITE! GOOD NIGHT**
Company information SPRAYWAY INC.
1005 S Westgate Drive
Addison, IL 60101 United States
Company phone General Assistance 1-630-628-3000
Emergency telephone US 1-866-836-8855
Emergency telephone outside US 1-952-852-4646
Version # 01
Supersedes date 07-09-2015
Recommended use Pesticide
Recommended restrictions None known.

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1
Health hazards Sensitization, skin Category 1
Aspiration hazard Category 1
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements



Signal word

Danger

Hazard statement

Extremely flammable aerosol. May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

Precautionary statement

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing gas. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

Response

If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. Specific treatment (see this label). Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage.

Storage

Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Distillates (Petroleum), Hydrotreated Light		64742-47-8	10 - 20
Butane		106-97-8	2.5 - 10

Chemical name	Common name and synonyms	CAS number	%
Propane		74-98-6	2.5 - 10
White Mineral Oil		8042-47-5	1 - 2.5
Permethrin		52645-53-1	0.1 - 1
Other components below reportable levels			60 - 80

#: This substance has workplace exposure limit(s).

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Get medical attention if irritation develops or persists. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Ingestion	Call a physician or Poison Control Center immediately. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If ingestion of a large amount does occur, seek medical attention. Do not give milk, alcoholic beverages or castor oil.
Most important symptoms/effects, acute and delayed	Dermatitis. Aspiration may cause pulmonary edema and pneumonitis. Rash. May cause an allergic skin reaction.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Powder. Alcohol resistant foam. Dry chemicals. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.
Fire-fighting equipment/instructions	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
General fire hazards	Extremely flammable aerosol.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Isolate area until gas has dispersed. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. This material and its container must be disposed of as hazardous waste.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Will ignite if exposed to intensive heat or open air. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Refrigeration recommended. Keep away from food, drink and animal feedings. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B)

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m3 800 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection

Face shield is recommended. Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

Hand protection

Wear appropriate chemical resistant gloves.

Skin protection

Other	Avoid contact with the skin. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Chemical resistant gloves. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Skin protection	
Respiratory protection	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke. Avoid contact with eyes. Avoid contact with skin. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state	Gas.
Form	Aerosol.
Color	White.
Odor	None known.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	-156.0 °F (-104.4 °C) Propellant estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	1.9 % estimated
Flammability limit - upper (%)	9.5 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	70 - 85 psig @70F estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Specific gravity	0.863 estimated

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Risk of ignition.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Exposure to air. Heat, flames and sparks. Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Nitrates. Oxygen. Fluorine. Chlorine.

Hazardous decomposition products

May include oxides of phosphorus. No hazardous decomposition products are known.

11. Toxicological information**Information on likely routes of exposure**

Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Inhalation	Not available.
Skin contact	May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Dermatitis. Aspiration may cause pulmonary edema and pneumonitis. Rash. Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction.

Information on toxicological effects

Acute toxicity	Acute LD50: 12479 mg/kg, Rat, Dermal Acute LC50: 32 mg/l/4h, Rat, Inhalation May be fatal if swallowed and enters airways. May cause an allergic skin reaction.
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Product	Species	Test Results
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DON'T LET THE BED BUGS BITE! GOOD NIGHT (CAS Mixture)

Acute*Dermal*

LD50	Rat	12479 mg/kg
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Inhalation

LC50	Rat	32 mg/l/4h
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Components**Species****Test Results**

Butane (CAS 106-97-8)

Acute*Inhalation*

LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l

Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8)

Acute*Dermal*

LD50	Rabbit	> 2000 mg/kg
		> 2000 mg/kg, 24 Hours

Inhalation

LC50	Rat	> 7.5 mg/l, 6 Hours
		> 4.6 mg/l, 4 Hours

Oral

LD50	Rat	> 5000 mg/kg
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Propane (CAS 74-98-6)

Acute*Inhalation*

LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l
		658 mg/l/4h

White Mineral Oil (CAS 8042-47-5)

Acute*Dermal*

LD50	Rabbit	> 2000 mg/kg, 24 Hours
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Components	Species	Test Results
<i>Inhalation</i>		
LC50	Rat	2.18 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	5000.0001 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Not expected to be hazardous by OSHA criteria.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not available.
Skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Not expected to be hazardous by OSHA criteria. Not expected to be hazardous by WHMIS criteria.
Carcinogenicity	Not expected to be hazardous by WHMIS criteria. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Permethrin (CAS 52645-53-1) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity	Not expected to be hazardous by OSHA criteria. Not expected to be hazardous by WHMIS criteria.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Not expected to be hazardous by WHMIS criteria.
Further information	This product has no known adverse effect on human health.

12. Ecological information

Ecotoxicity	LC50: 280 mg/L, Fish, 96.00 Hours Very toxic to aquatic life with long lasting effects.
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Product	Species	Test Results
DON'T LET THE BED BUGS BITE! GOOD NIGHT (CAS Mixture)		
Aquatic		
Fish	LC50 Fish	280 mg/L, 96 Hours
Components		
Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8)		
Aquatic		
Fish	LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/l, 96 hours
Permethrin (CAS 52645-53-1)		
Aquatic		
Crustacea	EC50 Water flea (Daphnia magna)	0.0006 - 0.0025 mg/l, 48 hours
Fish	LC50 Apache trout (Oncorhynchus gilae apache)	0.0013 - 0.0022 mg/l, 96 hours
White Mineral Oil (CAS 8042-47-5)		
Aquatic		
Fish	LC50 Fish	10000.0001, 96 Hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.

Partition coefficient n-octanol / water (log Kow)	
Butane	2.89
Permethrin	6.5
Propane	2.36

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. After recovery of solvent dispose of residue as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

14. Transport information

DOT

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	Yes
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.
Packaging Exceptions	LTD QTY

IMDG

UN number	UN1950
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UN proper shipping name AEROSOLS
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) 2.1
Packing group Not applicable.
Environmental hazards
Marine pollutant Yes
EmS F-D, S-U
Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions LTD QTY
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

DOT



IATA; IMDG



Marine pollutant



General information IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
 All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Immediate Hazard - Yes
 Delayed Hazard - No
 Fire Hazard - Yes
 Pressure Hazard - Yes
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Permethrin	52645-53-1	0.1 - 1

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA) Not regulated.

FIFRA Information

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

US state regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List

Butane (CAS 106-97-8)

Permethrin (CAS 52645-53-1)

Propane (CAS 74-98-6)

US. New Jersey Worker and Community Right-to-Know Act

Butane (CAS 106-97-8)

Permethrin (CAS 52645-53-1)

Propane (CAS 74-98-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

US. Rhode Island RTK

Butane (CAS 106-97-8)

Permethrin (CAS 52645-53-1)

Propane (CAS 74-98-6)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 07-11-2015

Version # 01

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision Information Product and Company Identification: Alternate Trade Names

SAFETY DATA SHEET

1. IDENTIFICATION AND GENERAL INFORMATION

P/N#: **Allegro 70% IPA Hygienic Wipe (1001, 1001-05, 1001-10)**
Nomenclature: **Personal Respirator Cleaning Pad**
Recommended Use of the Chemical & Restrictions on Use:
Uses: Personal protective equipment cleaner. Respirator cleaner.
Company Name: Allegro Industries
Address: 1360 Shiloh Church Rd
Piedmont, SC 29673
864-846-8740
Chemtrac: 800-424-9300

2. HAZARDS IDENTIFICATION

Appearance: White solid
Physical State: Solid containing liquid Moist paper
Odor: Mild alcohol odor

Classification:

The information below is for the liquid in industrial quantities when used in an industrial setting. The solution as packed in a consumer quantity is considered a consumer good and when used as intended is unlikely to present a hazard

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 2

Signal Word: Danger

Hazard Statements:

May cause respiratory irritation. May cause drowsiness or dizziness. Highly flammable liquid and vapor.



Precautionary Statements - Prevention:

Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool

Precautionary Statements - Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage:

Store in a well-ventilated place. Keep container tightly closed
Keep cool

Precautionary Statements - Disposal:

Dispose of contents/container to an approved waste disposal plant

SAFETY DATA SHEET

3. COMPOSITION

Chemical Name	CAS No	Weight-%
Isopropyl Alcohol	67-63-0	60-75

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

- Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.
- Skin Contact:** Wash with soap and water. If irritation persists or an allergic reaction occurs, call a physician.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. If symptoms persist, call a physician.
- Ingestion:** Drink plenty of water. Never give anything by mouth to a person who is unconscious or convulsing. Consult a physician.
- Most important symptoms and effects:**
- Symptoms: Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause central nervous system effects. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.
- Indication of any immediate medical attention and special treatment needed:**
- Notes to Physician: Chronic exposure may aggravate pre-existing skin conditions, impaired liver, kidney or pulmonary function.

5. FIRE FIGHTING MEASURES

- Suitable Extinguishing Media:**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable Extinguishing Media:**
Not determined.
- Specific Hazards Arising from the Chemical:**
Flammable material.
- Hazardous Combustion Products:**
Carbon Oxides
- Sensitivity to Mechanical Impact:**
Not sensitive
- Sensitivity to Static Discharge:**
Yes
- Protective equipment and precautions for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures:**
- Personal Precautions: Use personal protective equipment as required. Avoid contact with eyes and skin. Remove all sources of ignition.
- Methods and material for containment and cleaning up:**
- Methods for Containment: Extinguish all sources of ignition and ventilate area. Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up: Use personal protective equipment as required. Soak up with absorbent material. Pick up and transfer to properly labeled containers.

SAFETY DATA SHEET

7. HANDLING AND STORAGE

Precautions for safe handling:

Advice on Safe Handling: Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection.
 Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed.
 Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools.
 Take precautionary measures against static discharges. Keep cool. Avoid contact with skin, eyes or clothing.
 Keep out of the reach of children. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities:

Storage Conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed. P210 - Keep away from open flames/hot surfaces.
 - No smoking. Keep out of reach of children. Keep away from animals.
 Incompatible Materials: Strong oxidizing agents. Acids. Avoid contact with Aluminum, Zinc and other reactive metals.

8. EXPOSURE CONTROLS

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m3 (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m3	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m3 STEL: 500 ppm STEL: 1225 mg/m3

Appropriate engineering controls:

Engineering Controls: Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment:

Eye/Face Protection: Wear eye/face protection.
 Skin and Body Protection: Protective gloves.
 Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
 Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations.
 Respiratory protection must be provided in accordance with current local regulations.
 General Hygiene
 Considerations: When using do not eat, drink or smoke. Remove and wash contaminated clothing before reuse.
 Provide regular cleaning of equipment, work areas and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid containing liquid Moist paper
Appearance: White solid
Color: White
Odor: Mild alcohol odor
Odor Threshold: No information available
pH: No information available
Melting Point/Freezing Point: No information available
Boiling Point/Boiling Range: No information available
Flash Point: 12 °C / 54 °F
Evaporation Rate: No information available
Flammability (Solid, Gas): Not determined
Upper Flammability Limits: No information available
Lower Flammability Limit: No information available
Vapor Pressure: No information available
Vapor Density: No information available
Specific Gravity: No information available
Water Solubility: No information available
Solubility in other solvents: No information available

SAFETY DATA SHEET

Partition Coefficient: Not determined
Auto-ignition Temperature: No information available
Decomposition
Temperature: No information available
Kinematic Viscosity: Not determined
Dynamic Viscosity: Not determined
Explosive Properties: Not determined
Oxidizing Properties: Not determined
VOC Content: No information available

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous
Reactions: Hazardous polymerization does not occur.
Hazardous Polymerization: Hazardous polymerization does not occur.
Conditions to Avoid: Incompatible Materials. Heat, flames and sparks.
Incompatible Materials: Strong oxidizing agents. Acids. Avoid contact with Aluminum, Zinc and other reactive metals.
Hazardous Decomposition
Products: Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information: May be harmful by inhalation, ingestion, or skin absorption
Eye Contact: Causes serious eye irritation.
Skin Contact: May cause mild skin irritation.
Inhalation: May cause respiratory irritation. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
Ingestion: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat) = 12870 mg/kg (Rabbit)	= 72.6 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects:

Symptoms: Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Serious eye damage/eye

Irritation: Causes serious eye irritation.

Carcinogenicity: Isopropyl Alcohol (IPA) is an IARC Monograph Group 3 chemical. IPA is a Group 1 when manufactured by the strong-acid process.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0		Group 3		X

Legend

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

STOT - single exposure: May cause respiratory irritation. May cause drowsiness or dizziness.

Chronic Toxicity: May cause skin effects.

Numerical measures

of toxicity: Not determined

SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.

Component Information:

Chemical Name	Algae/aquatic plants	Fish	Toxicity to micro-organisms	Crustacea
Isopropyl Alcohol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50		13299: 48 h Daphnia magna mg/L EC50

Persistence/Degradability: Not determined

Bioaccumulation: Not determined

Mobility:

Chemical Name	Partition Coefficient
Isopropyl Alcohol 67-63-0	0.05

Other Adverse Effects: Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Disposal of Wastes: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status:

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Isopropyl Alcohol 67-63-0	Toxic Ignitable

SAFETY DATA SHEET

14. TRANSPORT INFORMATION

Note: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
DOT: Not regulated
IATA: Not regulated
IMDG: Not regulated

15. REGULATORY INFORMATION

International Inventories:

TSCA: Complies
DSL: Does not comply
NDSL: Does not comply
EINECS: Does not comply
ELINCS: Does not comply
ENCS: Does not comply
IECSC: Does not comply
KECL: Does not comply
PICCS: Does not comply
AICS: Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations:

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories:

Acute Health Hazard: Yes
Chronic Health Hazard: Yes
Fire Hazard: Yes
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl Alcohol - 67-63-0	67-63-0	65-75	1.0

US State Regulations:

U.S. State Right-to-Know Regulations:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl Alcohol 67-63-0	X	X	X

16. OTHER INFORMATION

SAFETY DATA SHEET

NFPA

Health Hazards: 1
Flammability: 3
Instability: Not determined
Special Hazards: Not determined

HMIS

Health Hazards: 1
Flammability: 3
Physical Hazards: 0
Personal Protection: B- Safety Glasses, Gloves

Revised August 29, 2016 Rev. I

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Conforms to Hazard Communication Standard 29 CFR 1910.1200

Section 1 - IDENTIFICATION

Product Identifier: Spectracide® Weed & Grass Killer₃

Other Means of Identification:

Product Code HG-96371; HG-96609

Formula Number 21-1454; 21-1455; 21-1542; 21-1557

EPA Reg. Number 9688-293-8845

Recommended Use: Herbicide - Non Selective

Recommended Restrictions: Use in accordance with label directions

Manufacturer/Importer/Supplier/Distributor Information:

Company Name Spectrum Group, Division of United Industries Corporation

Address PO Box 142642, St. Louis, MO 63114-0642

Telephone Number 1-800-917-5438

Emergency Telephone Number:

CHEMTREC (800)424-9300

Medical (800)633-2873

Section 2 - HAZARD(S) IDENTIFICATION

Classification of Substance or Mixture:

Physical Hazard(s) Not classified as a physical hazard

Health Hazard(s) Eye Irritant - Category 2B

Label Elements:

Hazard Pictogram(s) None

Signal Word WARNING

Hazard Statements: Causes eye irritation

Precautionary Statements: Wash hands thoroughly after handling.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Hazard(s) not Otherwise Classified (HNOC): No additional information available

Supplemental Information: None

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	%
Diquat Dibromide	n/a	85-00-7	0.12
Fluazifop-p-butyl	n/a	79241-46-6	0.06
Dicamba, dimethylamine salt	n/a	2300-66-5	0.04

In accordance with paragraph (d) of 1910.1200, the exact percentage (concentration) has been withheld as a trade secret. Other components are below reportable levels.

Section 4 - FIRST-AID MEASURES

Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin Contact:	In case of contact, wash skin with plenty of water. If skin irritation or redness develops, seek medical attention.
Eye Contact:	In case of contact, flush eyes with plenty of water for 15 minutes. Remove contact lenses, if worn. If irritation persists, get medical attention.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.
Most Important Symptoms/Effects, Acute and Delayed:	Symptoms of exposure may include, irritation of eyes and nose, cough and/or shortness of breath.
Indication of Immediate Medical Attention & Special Treatment Needed:	Immediate medical attention should not be required.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Treat for surrounding material.
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from the Chemical:	Products of combustion may include, and are not limited to: oxides of carbon.
Special Protective Equipment and Precautions for Firefighters:	Keep upwind of fire. Wear full fire fighting turn-out gear (full bunker gear) and respirator protection (SCBA).

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Methods and Materials for Containment and Cleaning Up:	Contain and/or absorb spill with inert material. Scoop up material and place in a disposable container. Then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate personal protective equipment (PPE).
Environmental Precautions:	Report spills as required by local and national regulations. Prevent entry into storm sewers and waterways.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling:	Avoid breathing mist. Avoid contact with skin and eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.
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Conditions for Safe Storage, Including any Incompatibilities: Keep out of reach of children. Keep container tightly closed. (See section 10).

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters: None

Appropriate Engineering Controls: General ventilation should be adequate for all normal use.

Individual Protective Measures, Such as Personal Protective Equipment:

Eye/face protection: Avoid eye contact.
Skin and body protection: None required under normal use conditions.
Respiratory protection: None required under normal use conditions.
General hygiene considerations: Do not eat, drink or smoke where material is handled, processed or stored. Wash hands after handling.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Clear, light yellow to brown solution
Odor: Mild Aromatic
Odor Threshold: No data available
pH: 5.0-8.5
Melting / Freezing Point: No data available
Initial boiling point and range: No data available
Flashpoint: No data available
Evaporation Rate: No data available
Flammability (solid, gas): No data available
Upper/lower flammability or explosive limits: No data available
Vapor pressure: No data available
Vapor density: No data available
Relative density: 0.991-1.011
Solubility(ies): Soluble in water
Partition coefficient (n-octanol/water): No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available

Section 10 - STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical stability: Stable under normal storage conditions.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Heat. Incompatible materials.
Incompatible materials: None known.
Hazardous decomposition products: May include, and are not limited to oxides of carbon.

Section 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhalation, Ingestion and/or skin or eye contact

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation: May cause respiratory tract irritation.
Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Eye contact: Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Acute Toxicity Values:

Calculated overall Chemical Acute Toxicity Values (ATE)		
LD50 (Oral)	LD50 (Dermal)	LC50 (inhalation)
>5000 mg/kg	>5000 mg/kg	>2 mg/l

Eye Contact: This product is an eye irritant.
Skin Contact: Based on available data, the classification criteria are not met.
Sensitization: Based on available data, the classification criteria are not met.

Chronic Effects-Carcinogenicity:

Ingredient	Chemical Listed as a Carcinogen or Potential Carcinogen (NTP, IARC, OSHA)
None of the ingredients present in this product at or above 0.1% are listed as potential carcinogens on the NTP, IARC or OSHA lists.	

Reproductive Toxicity: Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

Comment: All information was generated using the GHS classification criteria for mixtures and test data where available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity: This product is not expected to be harmful to aquatic organisms.
Persistence and degradability: No data available
Bioaccumulative potential: No data available

Mobility in soil: No data available
Other adverse effects: No data available

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, state/provincial and federal regulations. For more information see product label.

Section 14 - TRANSPORTATION INFORMATION

DOT: Not Regulated
IATA: Not Regulated
IMDG: Not Regulated

Section 15 - REGULATORY INFORMATION

US EPA Label Information:

EPA Pesticide Registration Number 9688-293-8845

Federal Insecticide, Fungicide, Rodenticide Act Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subjected to certain labeling requirements under the federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

CAUTION: KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing.

Personal Protective Equipment (PPE): Wear long-sleeved shirt, long pants, shoes and socks.

USER SAFETY RECOMMENDATIONS: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove clothing and personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice. **If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice. calling a Poison Control Center or doctor, or going for treatment.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. To protect the environment, do not allow pesticide to enter or run

off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

STORAGE AND DISPOSAL: Pesticide Storage: Store in a cool, dry area away from heat or open flame. **Pesticide Disposal: If empty:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

EPA TSCA Inventory: All of the components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

CERCLA Section 103: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center.

Chemical Name & CAS Number	Chemical RQ (lbs)	Concentration in Product	Product RQ (lbs)
Diquat Dibromide 85-00-7	1,000	0.12	833,333

SARA Hazard Category (311/312): See OSHA hazards listed in section 2.

SARA 313: Section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS #	Threshold Value %
Dimethylamine dicamba	2300-66-5	1.0

Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Section 16 - OTHER INFORMATION

Issue date: February 14, 2019
Revision date: November 24, 2021
Version number: 1.3

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



STEM KILLS ANTS ROACHES SPIDERS

Version 1.1

Print Date 06/10/2021

Revision Date 01/18/2021

SDS Number 350000039427

GEN_SOF Number 70548

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : STEM KILLS ANTS ROACHES SPIDERS

Recommended use : Insecticide

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Telephone : +1-800-558-5252

Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Flammable Aerosol	Category 2	Flammable aerosol.
Serious eye damage	Category 2A	Causes serious eye irritation.
Skin sensitisation	Category 1B	May cause an allergic skin reaction.
Gases under pressure	Compressed gas	Contains gas under pressure; may explode if heated.

Labelling

Hazard symbols

Flame
Gas cylinder
Exclamation mark

Signal word

Warning

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Hazard statements

Flammable aerosol.

Contains gas under pressure; may explode if heated.

Causes serious eye irritation.

May cause an allergic skin reaction.

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Specific treatment (see supplemental first aid instructions on this label).

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/ attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/ attention.

Wash contaminated clothing before reuse.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Protect from sunlight. Store in a well-ventilated place.

Dispose of contents/ container to an approved incineration plant.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Wear protective gloves/ eye protection/ face protection.

Avoid breathing spray.

Wash hands thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Other hazards : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
White Mineral Oil, (Petroleum)	8042-47-5	30.00 - 60.00
Isopropyl Myristate	110-27-0	30.00 - 60.00
Ethyl (L)-lactate	687-47-8	10.00 - 30.00

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Geraniol	106-24-1	5.00 - 10.00
Carbon dioxide	124-38-9	1.00 - 5.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

Description of first aid measures

- Eye contact** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.
- Skin contact** : Wash off with plenty of water. If skin irritation or rash occurs: Get medical advice/ attention.
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

Most important symptoms and effects, both acute and delayed

- Eyes** : Causes serious eye irritation.
- Skin effect** : May cause allergic skin reaction.
No adverse effects expected when used as directed.
- Inhalation** : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
May cause allergic respiratory reaction.
- Ingestion** : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.
No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

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5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Do not use a solid water stream as it may scatter and spread fire. Aerosol Product - Containers may rocket or explode in heat of fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Further information** : Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Remove all sources of ignition.
Wear personal protective equipment.
Wash thoroughly after handling.
- Environmental precautions** : Do not flush into surface water or sanitary sewer system.
Use appropriate containment to avoid environmental contamination.
Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : If damage occurs to aerosol can:
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Use only non-sparking equipment.
Dike large spills.
Clean residue from spill site.

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7. HANDLING AND STORAGE

Handling

Precautions for safe handling

: Avoid contact with skin, eyes and clothing.
Do not enter places where used or stored until adequately ventilated.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Pressurized container.
Do not pierce or burn, even after use.
Contaminated work clothing should not be allowed out of the workplace.
Avoid breathing vapours, mist or gas.
Wash thoroughly after handling.

Advice on protection against fire and explosion

: Keep away from sources of ignition - No smoking.
Do not spray on an open flame or other ignition source.

Storage

Requirements for storage areas and containers

: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Keep away from food, drink and animal feedingstuffs.
Keep in a dry, cool and well-ventilated place.

Other data

: Stable at normal ambient temperature and pressure.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

Components	CAS-No.	mg/m ³	ppm	Non-standard units	Basis
White Mineral Oil, (Petroleum)	8042-47-5	5 mg/m ³	-	-	OSHA TWA
Carbon dioxide	124-38-9	9,000 mg/m ³	5,000 ppm	-	OSHA TWA
Carbon dioxide	124-38-9	-	30,000 ppm	-	ACGIH STEL
Carbon dioxide	124-38-9	-	5,000 ppm	-	ACGIH TWA

Personal protective equipment**Respiratory protection** : Do not spray in enclosed areas.**Hand protection** : Wear suitable gloves.**Eye protection** : Safety glasses with side-shields**Skin and body protection** : No special requirements.**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.**9. PHYSICAL AND CHEMICAL PROPERTIES****Form** : aerosol**Color** : colourless**Odour** : Citrus**Odour Threshold** : Test not applicable for this product type

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pH : Test not applicable for this product type

Melting point/freezing point : Test not applicable for this product type

Initial boiling point and boiling range : Test not applicable for this product type

Flash point : 68 °C
154.4 °F
Method: Tag Closed Cup (TCC)

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : Sustains combustion

Upper/lower flammability or explosive limits : Test not applicable for this product type

Vapour pressure : Test not applicable for this product type

Vapour density : Test not applicable for this product type

Relative density : 0.8491 g/cm³ at 21 °C

Solubility(ies) : insoluble

Partition coefficient: n-octanol/water : Test not applicable for this product type

Auto-ignition temperature : not auto-flammable

Decomposition temperature : Test not applicable for this product type

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Viscosity, dynamic	: 12.4 mPa.s Test not applicable for this product type	
Viscosity, kinematic	: Test not applicable for this product type	
Oxidizing properties	: Test not applicable for this product type	
Volatile Organic Compounds Total VOC (wt. %)*	: 15 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
Other information	: None identified	:

10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Thermal decomposition can lead to release of irritating gases and vapours.

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50 2854 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage	Category 2A	-
Skin sensitisation	Category 1B	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

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Aggravated Medical Condition : None known.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
White Mineral Oil, (Petroleum)	LC50	Oncorhynchus mykiss (rainbow trout)	> 100 mg/l	96 h
Isopropyl Myristate	LC50	Danio rerio (zebra fish)	8,400 mg/l	96 h
Ethyl (L)-lactate	semi-static test LC50	Danio rerio (zebra fish)	320 mg/l	96 h
Geraniol	static test LC50	Danio rerio (zebra fish)	22 mg/l	96 h
Carbon dioxide	No data available			

Toxicity to aquatic invertebrates

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Components	End point	Species	Value	Exposure time
White Mineral Oil, (Petroleum)	LC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
Isopropyl Myristate	EC50	Daphnia magna (Water flea)	100 mg/l	48 h
Ethyl (L)-lactate	EC50	Daphnia magna (Water flea)	683 mg/l	48 h
Geraniol	semi-static test EC50	Daphnia magna (Water flea)	7.75 mg/l	48 h
Carbon dioxide	No data available			

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
White Mineral Oil, (Petroleum)	NOEC	Green algae	>= 100 mg/l	72 h
Isopropyl Myristate	EC50	Desmodemus subspicatus	> 100 mg/l	72 h
Ethyl (L)-lactate	No data available			
Geraniol	static test ErC50	Scenedesmus capricornutum (fresh water algae)	5.36 mg/l	72 h

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Carbon dioxide	No data available			
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Persistence and degradability

Component	Biodegradation	Exposure time	Summary
White Mineral Oil, (Petroleum)	50 %	28 d	Not readily biodegradable.
Isopropyl Myristate	91.4 %	28 d	Readily biodegradable.
Ethyl (L)-lactate	No data available		
Geraniol	82 %	28 d	Readily biodegradable.
Carbon dioxide	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
White Mineral Oil, (Petroleum)	No data available	> 6
Isopropyl Myristate	1,220.1	7.71
Ethyl (L)-lactate	No data available	0.06
Geraniol	No data available	2.6
Carbon dioxide	No data available	No data available

Mobility

Component	End point	Value
White Mineral Oil, (Petroleum)	No data available	
Isopropyl Myristate	log Koc	4.08
Ethyl (L)-lactate	No data available	
Geraniol	Koc	70.79
Carbon dioxide	No data available	

PBT and vPvB assessment

Component	Results
White Mineral Oil, (Petroleum)	Not fulfilling PBT and vPvB criteria

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Isopropyl Myristate	Not fulfilling PBT and vPvB criteria
Ethyl (L)-lactate	Not fulfilling PBT and vPvB criteria
Geraniol	Not fulfilling PBT and vPvB criteria
Carbon dioxide	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

PESTICIDAL WASTE:

For disposal information, please read and follow Disposal instructions on the pesticide label.
Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

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	Land transport	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	AEROSOLS, Flammable	AEROSOLS, Flammable	AEROSOLS, Flammable
Transport hazard class(es)	2.1	2	2.1
Packing group	-	-	-
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

15. REGULATORY INFORMATION

FIFRA Labeling

This chemical is a pesticide product that qualifies for exemption from regulation under the Federal Insecticide, Fungicide, and Rodenticide Act and has not been registered by the Environmental Protection Agency. It is subject to certain labeling requirements, and these requirements may differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

CAUTION:

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Causes substantial but temporary eye injury.

Do not get in eyes or on clothing.

Wash thoroughly with soap and water after handling.

Flammable

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Contents under pressure.
Exposure to temperatures above 130° F may cause bursting.

Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	3
Reactivity	0

NFPA Ratings

Health	2
Fire	3
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

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This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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Safety Data Sheet California CARB Compliant

1 - Identification

<p>Product Name: WD-40 Multi-Use Product Aerosol</p> <p>Product Use: Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion</p> <p>Restrictions on Use: None identified</p> <p>SDS Date Of Preparation: March 5, 2019</p>	<p>Manufacturer: WD-40 Company</p> <p>Address: 9715 Businesspark Avenue San Diego, California, USA 92131</p> <p>Telephone:</p> <p>Emergency: 1-888-324-7596</p> <p>Information: 1-888-324-7596</p> <p>Chemical Spills: 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)</p>
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2 – Hazards Identification

Hazcom 2012/GHS Classification:

Flammable Aerosol Category 1

Gas Under Pressure: Compressed Gas

Aspiration Toxicity Category 1

Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Label Elements:



DANGER!

Extremely Flammable Aerosol.

Contains gas under pressure; may explode if heated.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

Prevention

Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing vapors or mists.

Use only outdoors or in a well-ventilated area.

Response

IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

Storage

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

Disposal

Dispose of contents and container in accordance with local and national regulations.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	US Hazcom 2012/ GHS Classification
LVP Aliphatic Hydrocarbon	64742-47-8	45-50%	Aspiration Toxicity Category 1
Petroleum Base Oil	64742-56-9 64742-65-0 64742-53-6 64742-54-7 64742-71-8	<35%	Not Hazardous
Aliphatic Hydrocarbon	64742-47-8	<25%	Flammable Liquid Category 3 Aspiration Toxicity Category 1 Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)
Carbon Dioxide	124-38-9	2-3%	Simple Asphyxiant Gas Under Pressure, Compressed Gas

Note: The specific chemical identity and exact percentages are a trade secret.

4 – First Aid Measures

Ingestion (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.

Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.

Skin Contact: Wash with soap and water. If irritation develops and persists, get medical attention.

Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

Signs and Symptoms of Exposure: Harmful or fatal if swallowed. Aspiration of liquid into the lungs during swallowing or vomiting may cause lung damage. May cause eye and respiratory irritation. Inhalation of mists or vapors may cause drowsiness, dizziness and other nervous system effects. Skin contact may cause drying of the skin.

Indication of Immediate Medical Attention/Special Treatment Needed: Immediate medical attention is needed for ingestion.

5 – Fire Fighting Measures

Suitable (and unsuitable) Extinguishing Media: Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

Specific Hazards Arising from the Chemical: Extremely flammable aerosol. Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Combustion will produce oxides of carbon and hydrocarbons.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.

6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area.

Methods and Materials for Containment/Cleanup: Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces and open flames. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.

Conditions for Safe Storage: Store in a cool, well-ventilated area, away from incompatible materials. Do not store above 120°F or in direct sunlight. U.F.C (NFPA 30B) Level 3 Aerosol. Store away from oxidizers.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
LVP Aliphatic Hydrocarbon	1200 mg/m ³ TWA (manufacturer recommended)
Petroleum Base Oil	5 mg/m ³ TWA (Inhalable) ACGIH TLV (as Mineral oil) 5 mg/m ³ TWA OSHA PEL (as Oil mist, mineral)
Aliphatic Hydrocarbon	1200 mg/m ³ TWA (manufacturer recommended)
Carbon Dioxide	5000 ppm TWA, 30,000 ppm STEL ACGIH TLV 5000 ppm TWA OSHA PEL

The Following Controls are Recommended for Normal Consumer Use of this Product

Appropriate Engineering Controls: Use in a well-ventilated area.

Personal Protection:

Eye Protection: Avoid eye contact. Always spray away from your face.

Skin Protection: Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.

Respiratory Protection: None needed for normal use with adequate ventilation.

For Bulk Processing or Workplace Use the Following Controls are Recommended

Appropriate Engineering Controls: Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

Personal Protection:

Eye Protection: Safety goggles recommended where eye contact is possible.

Skin Protection: Wear chemical resistant gloves.

Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Work/Hygiene Practices: Wash with soap and water after handling.

9 – Physical and Chemical Properties

Appearance:	Light amber liquid	Flammable Limits: (Solvent Portion)	LEL: 0.6% UEL: 8%
Odor:	Mild petroleum odor	Vapor Pressure:	95-115 PSI @ 70°F
Odor Threshold:	Not established	Vapor Density:	Greater than 1 (air=1)
pH:	Not Applicable	Relative Density:	0.8 – 0.82 @ 60°F
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	361 - 369°F (183 - 187°C)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	138°F (59°C) Tag Closed Cup (liquid)	Autoignition Temperature:	Not established

Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Flammable Aerosol	Viscosity:	2.79-2.96 cSt @ 100°F
VOC:	24.1% MIR=0.43gO3/gVOC	Pour Point:	-63°C (-81.4°F) ASTM D-97

10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions

Chemical Stability: Stable

Possibility of Hazardous Reactions: May react with strong oxidizers generating heat.

Conditions to Avoid: Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

11 – Toxicological Information

Symptoms of Overexposure:

Inhalation: High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

Skin Contact: Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.

Eye Contact: Contact may be irritating to eyes. May cause redness and tearing.

Ingestion: This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

Chronic Effects: None expected.

Carcinogen Status: None of the components are listed as a carcinogen or suspect carcinogen by IARC, NTP, ACGIH or OSHA.

Reproductive Toxicity: None of the components is considered a reproductive hazard.

Numerical Measures of Toxicity:

Acute Toxicity Estimates: Oral > 5,000 mg/kg; Dermal >2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.

12 – Ecological Information

Ecotoxicity: No specific aquatic toxicity data is currently available; however components of this product are not expected to be harmful to aquatic organisms

Persistence and Degradability: Components are readily biodegradable.

Bioaccumulative Potential: Bioaccumulation is not expected based on an assessment of the ingredients.

Mobility in Soil: No data available

Other Adverse Effects: None known

13 - Disposal Considerations

If this product becomes a waste, it would be expected to meet the criteria of a RCRA ignitable hazardous waste (D001). However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Do not puncture or incinerate containers, even empty. Dispose in accordance with federal, state, and local regulations.

14 – Transportation Information

DOT Surface Shipping Description: UN1950, Aerosols, 2.1 Ltd. Qty
(Note: Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark)
IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY
ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1

NOTE: WD-40 Company does not test aerosol cans to assure that they meet the pressure and other requirements for transport by air. We do not recommend that our aerosol products be transported by air.

15 – Regulatory Information

U.S. Federal Regulations:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: Acute Health, Fire Hazard, Sudden Release of Pressure

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not require a California Proposition 65 warning.

VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List or exempt from notification

16 – Other Information

HMIS Hazard Rating:

Health – 1 (slight hazard), Fire Hazard – 4 (severe hazard), Physical Hazard – 0 (minimal hazard)

Revision Date: March 5, 2019

Supersedes: July 19, 2018

Revision Summary: Section 9 update VOC data

Prepared by: Industrial Health & Safety Consultants, Inc. Shelton, CT, USA

Reviewed by: I. Kowalski

Regulatory Affairs Dept.

1012200/No.0084704

SECTION 1: IDENTIFICATION

Product identifier

Product Name	Husky 401 Biotic365
Authorization number	F401-001
Recommended Use	Bacterial cleaner and deodorizer
Uses advised against	Restrictions on use: Do not use in any fashion not specified on the product label.

Manufacturer/Supplier

Canberra Corporation
3610 N. Holland-Sylvania Rd.
Toledo Ohio 43615
United States

Telephone: +1 (419) 841-6616
Website: <http://canberracorp.com/>

e-Mail (competent person) regulatorycompliance@canberracorp.com

Emergency telephone number 800-424-9300

National poison center 800-222-1222

SECTION 2: HAZARD(S) IDENTIFICATION

Classification acc. to GHS

Serious eye damage/eye irritation.

H319.

Label elements

Signal word Warning

Pictograms



Hazard statements

Causes serious eye irritation.

Precautionary statements

Wear eye protection/face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Hazardous ingredients for labelling

Methylisothiazolinone

Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0.1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name of substance	Identifier	Wt%
Alkylbenzene Sulfonic Acid	CAS No 68584-22-5	1 - < 5
Methylisothiazolinone	CAS No 2682-20-4	< 1

For full text of abbreviations: see SECTION 16.

SECTION 4: FIRST-AID MEASURES**Following inhalation**

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

Indication of any immediate medical attention and special treatment needed

none

SECTION 5: FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

Special hazards arising from the substance or mixture**Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

SECTION 7: HANDLING AND STORAGE**Precautions for safe handling****- Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

Conditions for safe storage, including any incompatibilities

Protect against external exposure, such as

frost

See section 16 for a general overview.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure controls****Appropriate engineering controls**

General ventilation.

Individual protection measures (personal protective equipment)**Eye/face protection**

Wear eye/face protection.

Skin protection**- Hand protection**

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Light purple
Odor	Vanilla

pH (value)	7 – 9.5
Melting point/freezing point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not relevant (fluid)
Density	Not determined
Relative density	0.995 – 1.015 at 20 °C (water = 1)
Dynamic viscosity	0 – 25 cP at 20 °C

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

Chemical stability

See below "Conditions to avoid".

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

There are no specific conditions known which have to be avoided.

Incompatible materials

There is no additional information.

Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
Alkylbenzene Sulfonic Acid	68584-22-5	inhalation: vapor	11 mg _I /4h
Alkylbenzene Sulfonic Acid	68584-22-5	inhalation: dust/mist	>1.9 mg _I /4h
Methylisothiazolinone	2682-20-4	oral	100 mg _{kg}
Methylisothiazolinone	2682-20-4	dermal	300 mg _{kg}
Methylisothiazolinone	2682-20-4	inhalation: vapor	0.5 mg _I /4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION**Toxicity**

Shall not be classified as hazardous to the aquatic environment.

Persistence and degradability

Data are not available.

Bioaccumulative potential

Data are not available.

Mobility in soil

Data are not available.

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0.1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

Other adverse effects

Data are not available.

SECTION 13: DISPOSAL CONSIDERATIONS**Waste treatment methods****Sewage disposal-relevant information**

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: TRANSPORT INFORMATION**UN number** not subject to transport regulations

UN proper shipping name	not relevant
Transport hazard class(es)	none
Packing group	not assigned
Environmental hazards	non-environmentally hazardous acc. to the dangerous goods regulations

Not subject to transport regulations.

Not subject to IMDG.

Not subject to ICAO-IATA.

SECTION 15: REGULATORY INFORMATION**National regulations (United States)****Toxic Substance Control Act (TSCA)** not all ingredients are listed (ACTIVE)**Clean Air Act**

none of the ingredients are listed

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed

NPCA-HMIS® III

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	0	material that will not burn under typical fire conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	0	material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

Country	Inventory	Status
EU	REACH Reg.	not all ingredients are listed
US	TSCA	not all ingredients are listed

Legend

REACH Reg. REACH registered substances
TSCA Toxic Substance Control Act

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H319	Causes serious eye irritation.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. Disclaimer: No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable regulations governing the use and disposal of this material. .