



Item: 3LYSOL

SAFETY DATA SHEET

LYSOL® IC™ Brand Foaming Disinfectant Cleaner

1. Product and company identification

Product name : LYSOL® IC™ Brand Foaming Disinfectant Cleaner

Distributed by : 1st Ayd Corporation
1325 Gateway Drive
Elgin, IL 60124

Emergency telephone number (Medical) : 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

Emergency telephone number (Transport)

:

:

Website: : <http://www.rbnainfo.com>

Product use : Multipurpose Cleaner Consumer use

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

SDS # : 358486PSDS v19.0

Formulation # : 0074422 v4.0 (Formula#:e0128-088B;Marine);

EPA ID No. : 777-71(Retail) and 777-71-675(Professional)

DIN # : 02444119

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Multipurpose Cleaner(Consumer Use)

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2. Hazards identification

Classification of the substance or mixture : FLAMMABLE AEROSOLS - Category 1
 GASES UNDER PRESSURE - Compressed gas
 SKIN IRRITATION - Category 2
 EYE IRRITATION - Category 2B

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : Extremely flammable aerosol.
 Contains gas under pressure; may explode if heated.
 Causes skin and eye irritation.

Precautionary statements

- General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
- Prevention** : Wear protective gloves. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Wash hands thoroughly after handling. Pressurized container: Do not pierce or burn, even after use.
- Response** : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical 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 attention.
- Storage** : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.
- Disposal** : Not applicable.
- Supplemental label elements** : None known.
- Hazards not otherwise classified** : None known.

3. Composition/information on ingredients

Substance/mixture : Mixture

| Ingredient name | % | CAS number |
|---|--------|------------|
| Isobutane | 5 - 10 | 75-28-5 |
| Diethylene glycol monobutyl ether | 1 - 5 | 112-34-5 |
| tetrasodium ethylene diamine tetraacetate | 1 - 5 | 64-02-8 |
| decyldimethyloctylammonium chloride | <0.1 | 32426-11-2 |
| dimethyldioctylammonium chloride | <0.1 | 5538-94-3 |
| didecyldimethylammonium chloride | <0.1 | 7173-51-5 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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4. First aid measures

See toxicological information (Section 11)

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.

Hazardous thermal decomposition products : In a fire, hazardous decomposition products may be produced.

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.



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6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.

- Conditions for safe storage, including any incompatibilities** : Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

8. Exposure controls/personal protection

Control

Occupational exposure limits

| Ingredient name | Exposure limits |
|-----------------------------------|---|
| Isobutane | NIOSH REL (United States, 10/2016). TWA: 800 ppm 10 hours. TWA: 1900 mg/m ³ 10 hours. |
| Diethylene glycol monobutyl ether | ACGIH TLV (United States, 3/2018). STEL: 1000 ppm 15 minutes. ACGIH TLV (United States, 3/2018). TWA: 10 ppm 8 hours. Form: Inhalable fraction and vapor |

- Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

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8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

9. Physical and chemical properties

Appearance

- Physical state** : Liquid. [Liquefied compressed gas.]
- Color** : Clear.
- Odor** : Fragrant.
- Odor threshold** : Not available.
- pH** : 12.2 to 13.2 [Conc. (% w/w): 100%]
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: >93.3°C (>199.9°F)
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 1.025 to 1.035
- Solubility** : Easily soluble in the following materials: cold water and hot water.

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9. Physical and chemical properties

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Not available.

Aerosol product

Type of aerosol : Foam

Heat of combustion : 4.105 kJ/g

10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame).

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|-----------------------|---------|--------------------------|----------|
| Isobutane | LC50 Inhalation Vapor | Rat | 658000 mg/m ³ | 4 hours |
| tetrasodium ethylene diamine tetraacetate | LD50 Oral | Rat | 10 g/kg | - |
| Diethylene glycol monobutyl ether | LD50 Dermal | Rabbit | 2700 mg/kg | - |
| didecyldimethylammonium chloride | LD50 Oral | Rat | 4500 mg/kg | - |
| | LD50 Oral | Rat | 84 mg/kg | - |
| Professional Lysol® Brand Kills 99.9% of Viruses and Bacteria Foaming Disinfectant Cleaner_358486PSDS (NA_Biocides) | LC50 Inhalation Vapor | Rat | >2.31 mg/l | 4 hours |
| | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rabbit | >5000 mg/kg | - |

Conclusion/Summary : Not classified. Harmful. *Information is based on toxicity test result of the concentrate of a similar product.

Irritation/Corrosion



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11. Toxicological information

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|--------------------------|---------|-------|-------------------------|-------------------------|
| tetrasodium ethylene diamine tetraacetate | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 milligrams | - |
| | Skin - Moderate irritant | Rabbit | - | | 24 hours 500 milligrams |
| 2-(2-butoxyethoxy)ethanol | Eyes - Moderate irritant | Rabbit | - | 24 hours 20 milligrams | - |
| | Eyes - Severe irritant | Rabbit | - | 20 milligrams | - |
| Professional Lysol® Brand Kills 99.9% of Viruses and Bacteria Foaming Disinfectant Cleaner_358486PSDS (NA_Biocides) | Mild irritant | Rabbit | - | - | 72 hours |
| | Skin - Slight Irritant | Rabbit | - | - | - |

Conclusion/Summary

- Skin** : Slightly irritating to the skin. * Information is based on toxicity test result of the concentrate of a similar product.
- Eyes** : Mildly irritating to the eyes. * Information is based on toxicity test result of the concentrate of a similar product.
- Respiratory** : Based on available data, the classification criteria are not met.

Sensitization

| Product/ingredient name | Route of exposure | Species | Result |
|---|-------------------|------------|-----------------|
| Professional Lysol® Brand Kills 99.9% of Viruses and Bacteria Foaming Disinfectant Cleaner_358486PSDS (NA_Biocides) | skin | Guinea pig | Not sensitizing |

Conclusion/Summary

- Skin** : Non-sensitizer to skin. * Information is based on toxicity test result of the concentrate of a similar product.
- Respiratory** : Based on available data, the classification criteria are not met.

Mutagenicity

Not available.

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

Carcinogenicity

Not available.

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

Reproductive toxicity

Not available.

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

Teratogenicity

Not available.

- Conclusion/Summary** : Based on available data, the classification criteria are not met.

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11. Toxicological information

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes eye irritation.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes skin irritation.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
 pain or irritation
 watering
 redness
Inhalation : Adverse symptoms may include the following:
 respiratory tract irritation
 coughing
Skin contact : Adverse symptoms may include the following:
 irritation
 redness
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.
General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.



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11. Toxicological information

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| Professional Lysol® Brand Kills 99.9% of Viruses and Bacteria Foaming Disinfectant Cleaner_358486PSDS (NA_Biocides) | 157582.5 | N/A | N/A | N/A | N/A |
| Isobutane | N/A | N/A | N/A | 658 | N/A |
| tetrasodium ethylene diamine tetraacetate | 10000 | N/A | N/A | N/A | N/A |
| Diethylene glycol monobutyl ether | 4500 | 2700 | N/A | N/A | N/A |
| didecyldimethylammonium chloride | 84 | N/A | N/A | N/A | N/A |

12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|-------------------------------------|--|----------|
| tetrasodium ethylene diamine tetraacetate | Acute LC50 486000 µg/l Fresh water | Fish - Lepomis macrochirus | 96 hours |
| Diethylene glycol monobutyl ether | Acute LC50 1300000 µg/l Fresh water | Fish - Lepomis macrochirus | 96 hours |
| dimethyldioctylammonium chloride | Acute EC50 0.1 ppm Fresh water | Daphnia - Daphnia magna | 48 hours |
| didecyldimethylammonium chloride | Acute LC50 0.7 ppm Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
| | Acute EC50 110 µg/l Fresh water | Algae - Chlorella pyrenoidosa - Exponential growth phase | 72 hours |
| | Acute EC50 14.22 ppb Fresh water | Algae - Pseudokirchneriella subcapitata | 96 hours |
| | Acute EC50 18 ppb Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 39 µg/l Marine water | Crustaceans - Americamysis bahia - Juvenile (Fledgling, Hatchling, Weanling) | 48 hours |
| | Acute LC50 0.01 µg/l Fresh water | Fish - Acipenser transmontanus - Larvae | 96 hours |
| | Chronic NOEC 25 µg/l Fresh water | Algae - Pseudokirchneriella subcapitata - Exponential growth phase | 72 hours |
| | Chronic NOEC 125 µg/l Fresh water | Daphnia - Daphnia magna | 21 days |

Conclusion/Summary : Based on available data, the classification criteria are not met.

Persistence and degradability

Conclusion/Summary : Based on available data, the classification criteria are not met.

Bioaccumulative potential

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12. Ecological information

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|---|--------------------|-----|-----------|
| Isobutane | 2.8 | - | low |
| tetrasodium ethylene diamine tetraacetate | 5.01 | 1.8 | low |
| Diethylene glycol monobutyl ether | 1 | - | low |

Mobility in soil





Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

14. Transport information

| | TDG Classification | DOT Classification | IMDG | IATA |
|-----------------------------------|--|--|---|--|
| UN number | UN1950 | UN1950 | UN1950 | UN1950 |
| UN proper shipping name | AEROSOLS | Aerosols | AEROSOLS | Aerosols, flammable |
| Transport hazard class(es) | 2.1  | 2.1  | 2.1  | 2.1  |
| Packing group | - | - | - | - |
| Environmental hazards | No. | No. | No. | No. |

Additional information

DOT Classification : Limited quantity
TDG Classification : Limited Quantity.
IMDG : Limited Quantity.
IATA : See DG List.

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14. Transport information

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

15. Regulatory information

U.S. Federal regulations : **Clean Air Act (CAA) 112 regulated flammable substances:** Isobutane

Clean Air Act Section 112 : Listed

(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : FLAMMABLE AEROSOLS - Category 1
GASES UNDER PRESSURE - Compressed gas
SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2B

Composition/information on ingredients

| Name | % | Classification |
|---|--------|--|
| Isobutane | 5 - 10 | FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Compressed gas |
| tetrasodium ethylene diamine tetraacetate | 1 - 5 | COMBUSTIBLE DUSTS SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A |
| Diethylene glycol monobutyl ether | 1 - 5 | FLAMMABLE LIQUIDS - Category 4 EYE IRRITATION - Category 2A |
| didecyldimethylammonium chloride | <0.1 | ACUTE TOXICITY (oral) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A |

SARA 313

| | Product name | CAS number | % |
|--|---------------------------|------------|-------|
| Form R - Reporting requirements | 2-(2-butoxyethoxy)ethanol | 112-34-5 | 1 - 5 |
| Supplier notification | 2-(2-butoxyethoxy)ethanol | 112-34-5 | 1 - 5 |

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15. Regulatory information

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : The following components are listed: ISOBUTANE
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: Isobutane; PROPANE, 2-METHYL-; GLYCOL ETHERS
- Pennsylvania** : The following components are listed: PROPANE, 2-METHYL-
- California Prop. 65**

This product does not require a Safe Harbor warning under California Prop. 65.

Label elements

CCCR

- Signal word** : CAUTION
- Hazard statements** : Eye irritation.
CONTAINER MAY EXPLODE IF HEATED CAUSES BURNS DANGEROUS FUMES FORM WHEN MIXED WITH OTHER PRODUCTS
- Precautionary measures** : KEEP OUT OF REACH OF CHILDREN.
Avoid contact with eyes, skin and food. Do not mix with other chemicals. Contents under pressure. Do not place in hot water or near radiators, stoves or other sources of heat. Do not puncture or incinerate container, even when empty, or store at temperatures over 50°C.
Use only in a well-ventilated area. Store away from heat. Handle with care. Keep out of reach of children. Wear protective gloves and eye/face protection: Chemical splash goggles or face shield. Use chemical-resistant, impervious gloves. Wear appropriate respirator when ventilation is inadequate.

EPA

- Signal word:** : CAUTION
- Hazard statements** : Contents under pressure.

EYE IRRITANT.
SKIN IRRITANT.

- Special Inert substance.** : No known significant effects or critical hazards.
- Precautionary measures** : Avoid contact with eyes.
KEEP OUT OF REACH OF CHILDREN
DO NOT get in eyes. DO NOT get in skin. Wash hands after handling.
Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperature above 120°F or in sun or discarding can in fire or incinerator may cause bursting.
Avoid breathing dust/fume/gas/mist/vapors/spray.
- Skin sensitizer** : No known significant effects or critical hazards.

Additional information / Recommendations

- Additional information** : Store in original container in areas inaccessible to small children. Non-refillable container. Do not reuse empty container. Replace cap and discard in trash or offer for recycle, if available. Do not puncture or incinerate.

For Canada Use only:

Contains no phosphates.

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15. Regulatory information

Recommendations : No known significant effects or critical hazards.

Recommendations : No known significant effects or critical hazards.

16. Other information

Hazardous Material Information System (U.S.A.)

| | | |
|------------------|---|---|
| Health | / | 2 |
| Flammability | | 4 |
| Physical hazards | | 0 |
| | | |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



NFPA (30B) aerosol Flammability Level 1

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Key to abbreviations :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations
- HMIS Health Hazard 1= Irritation or minor reversible injury possible.
- NFPA Health Hazard 1= Exposure would cause irritation with only minor residual injury.

Date of issue : 8/20/2020

Date of previous issue : 04/22/2020

Version : 19

358486PSDS v19.0

16. Other information

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Revision comments : Addition of EPA retail registration number on section 1.
Addition of CAS level ingredients on section 3.
Updated section 14.
Revised ranges on section 15.

▣ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



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