

SAFETY DATA SHEET

DETTOL® Antiseptic Liquid (Canada)



HEALTH • HYGIENE • HOME

1. Product and company identification

Product name : DETTOL® Antiseptic Liquid (Canada)**Distributed by** : Reckitt Benckiser (Canada) Inc.
1680 Tech Avenue, Unit #2
Mississauga, Ontario L4W 5S9
CANADA
Telephone: +1 905 283 7000**Emergency telephone number (Medical)** : 1-800-338-6167**Emergency telephone number (Transport)** : 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887**Website:** : <http://www.rbnainfo.com>**Product use** : Antiseptic.

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 # : D0059298 v7.0**Formulation #:** : 930666 v7.0**DIN #** : 00373435**UPC Code / Sizes** : 125 ml, 250 ml, 500 ml and 1 L plastic bottles

2. Hazards identification

Classification of the substance or mixture : SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A

GHS label elements

Hazard pictograms :**Signal word** : Warning**Hazard statements** : Causes serious eye irritation.
Causes skin irritation.

D0059298 v7.0

2. Hazards identification

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. Wear eye or face protection. Wash hands thoroughly after handling.
- 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** : Not applicable.
- 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 |
|-----------------------------|---------|------------|
| Isopropyl alcohol | 5 - 10 | 67-63-0 |
| alpha-Terpineol | 5 - 10 | 98-55-5 |
| Castor oil | 1 - 5 | 8001-79-4 |
| 4-chloro-3,5-dimethylphenol | 1 - 5 | 88-04-0 |
| Terpinolene | 0.1 - 1 | 586-62-9 |
| sodium hydroxide | 0.1 - 1 | 1310-73-2 |
| dl-Limonene (racemic) | 0.1 - 1 | 138-86-3 |

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.
- 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.

4. First aid measures

- 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 serious 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** : No specific data.
- 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** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- 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.

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** : In a fire or if heated, a pressure increase will occur and the container may burst.

D0059298 v7.0

5. Fire-fighting measures

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 halogenated compounds
- 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.
- 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. Do not touch or walk through spilled material. 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. 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.
- Large spill** : Stop leak if without risk. Move containers from spill area. 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). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

D0059298 v7.0

7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Control

Occupational exposure limits

| Ingredient name | Exposure limits |
|-----------------------|--|
| Isopropyl alcohol | <p>ACGIH TLV (United States, 3/2015). TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes.</p> <p>OSHA PEL 1989 (United States, 3/1989). TWA: 400 ppm 8 hours. TWA: 980 mg/m³ 8 hours. STEL: 500 ppm 15 minutes. STEL: 1225 mg/m³ 15 minutes.</p> <p>NIOSH REL (United States, 10/2013). TWA: 400 ppm 10 hours. TWA: 980 mg/m³ 10 hours. STEL: 500 ppm 15 minutes. STEL: 1225 mg/m³ 15 minutes.</p> <p>OSHA PEL (United States, 2/2013). TWA: 400 ppm 8 hours. TWA: 980 mg/m³ 8 hours.</p> |
| sodium hydroxide | <p>ACGIH TLV (United States, 3/2015). C: 2 mg/m³</p> <p>OSHA PEL 1989 (United States, 3/1989). CEIL: 2 mg/m³</p> <p>NIOSH REL (United States, 10/2013). CEIL: 2 mg/m³</p> <p>OSHA PEL (United States, 2/2013). TWA: 2 mg/m³ 8 hours.</p> |
| dl-Limonene (racemic) | <p>AIHA WEEL (United States, 10/2011). TWA: 30 ppm 8 hours.</p> |

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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

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.

D0059298 v7.0

8. Exposure controls/personal protection

- 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.
- 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. [Clear.]
- Color** : Amber.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 9.9 to 10.15 [Conc. (% w/w): 100%]
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: 40°C (104°F) [Dettol® Liquid has a flash point of 40° C and a fire point of 60° C but does not support combustion at 60° C and 75° C*.
* Testing performed at Intertex Testing Services, Ltd., Western Jetty, Immingham Docks, Immingham, U.K., carried out in accordance with International Air Transport Association Dangerous Goods Regulations, effective January 2002.] [Product does not sustain combustion.]
- 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** : 0.969 to 1.009
- Solubility** : Easily soluble in the following materials: cold water and hot water.
- Partition coefficient: n-octanol/water** : Not available.

D0059298 v7.0

9. Physical and chemical properties

- Auto-ignition temperature** : Not available.
Decomposition temperature : Not available.
Viscosity : Not available.
Flow time (ISO 2431) : Not available.

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 : Keep away from heat and 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 |
|--------------------------------------|-------------|--------------|----------------|----------|
| Isopropyl alcohol | LD50 Dermal | Rabbit | 12800 mg/kg | - |
| | LD50 Oral | Rat | 5000 mg/kg | - |
| alpha-Terpineol | LD50 Oral | Rat | 3.2 g/kg | - |
| Castor oil | LD50 Oral | Rat | 10 g/kg | - |
| 4-chloro-3,5-dimethylphenol | LD50 Oral | Rat | 3830 mg/kg | - |
| Terpinolene | LD50 Oral | Rat | 4390 mg/kg | - |
| dl-Limonene (racemic) | LD50 Oral | Rat | 5300 mg/kg | - |
| Dettol Antiseptic | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| Liquid_FF930666 (D0059298) Canada | LD50 Oral | Mouse | 9850 mg/kg | - |
| | LD50 Oral | Rat - Male | 15900000 mg/kg | - |
| | LD50 Oral | Rat - Female | 17400000 mg/kg | - |

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

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|--------------------------|------------|-------|-------------------------|-------------|
| Isopropyl alcohol | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 milligrams | - |
| | Eyes - Moderate irritant | Rabbit | - | 10 milligrams | - |
| | Eyes - Severe irritant | Rabbit | - | 100 milligrams | - |
| alpha-Terpineol | Skin - Mild irritant | Rabbit | - | 500 milligrams | - |
| | Skin - Severe irritant | Mouse | - | 50 Percent | - |
| | Skin - Mild irritant | Rabbit | - | 4 hours 100 Percent | - |
| Castor oil | Eyes - Mild irritant | Rabbit | - | 500 milligrams | - |
| | Skin - Mild irritant | Guinea pig | - | 24 hours 100 milligrams | - |

D0059298 v7.0

11. Toxicological information

| | | | | | |
|---|--|------------------|-------------------------|---------------------------------------|--------|
| 4-chloro-3,5-dimethylphenol Terpinolene sodium hydroxide dl-Limonene (racemic) | Skin - Mild irritant | Man | - | 48 hours 50 milligrams | - |
| | Skin - Mild irritant | Rat | - | 24 hours 100 milligrams | - |
| | Skin - Severe irritant | Rabbit | - | 24 hours 100 milligrams | - |
| | Eyes - Moderate irritant | Rabbit | - | 100 milligrams | - |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 10 Percent | - |
| | Eyes - Severe irritant | Monkey | - | 24 hours 1 Percent | - |
| | Eyes - Mild irritant | Rabbit | - | 400 Micrograms | - |
| | Eyes - Severe irritant | Rabbit | - | 24 hours 50 Micrograms | - |
| | Eyes - Severe irritant Eyes - Severe irritant | Rabbit Rabbit | - - | 1 Percent 0.5 minutes 1 milligrams | - - |
| | Skin - Mild irritant | Human | - | 24 hours 2 Percent | - |
| Skin - Severe irritant | Rabbit | - | 24 hours 500 milligrams | - | |
| Skin - Moderate irritant | Rabbit | - | 24 hours 500 milligrams | - | |

Conclusion/Summary

- Skin** : Causes skin irritation.
- Eyes** : Causes serious eye irritation.
- Respiratory** : Based on available data, the classification criteria are not met.

Sensitization

| Product/ingredient name | Route of exposure | Species | Result |
|--------------------------|-------------------|---------|-----------------|
| Dettol Antiseptic Liquid | skin | Human | Not sensitizing |

Conclusion/Summary

- Skin** : Based on available data, the classification criteria are not met.
- 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.

Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Isopropyl alcohol | - | 3 | - |

Reproductive toxicity

D0059298 v7.0

11. Toxicological information

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.

Specific target organ toxicity (single exposure)

| Name | Category | Route of exposure | Target organs |
|-------------------|------------|-------------------|------------------|
| Isopropyl alcohol | Category 3 | Not applicable. | Narcotic effects |

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

| Name | Result |
|--------------------------------------|--|
| Terpinolene dl-Limonene (racemic) | ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 |

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious 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 : No specific data.

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.

D0059298 v7.0

11. Toxicological information

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.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|---|---|----------|
| Isopropyl alcohol | Acute LC50 1400000 µg/l Marine water | Crustaceans - Crangon crangon | 48 hours |
| alpha-Terpineol | Acute LC50 4200 mg/l Fresh water | Fish - Rasbora heteromorpha | 96 hours |
| | Acute LC50 6.3 mg/l Fresh water | Fish - Oncorhynchus kisutch - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| Terpinolene | Acute EC50 1380 µg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute EC50 763 µg/l Fresh water | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| dl-Limonene (racemic) | Chronic NOEC 30 to 950 µg/l Fresh water | Algae - Pseudokirchneriella subcapitata | 96 hours |
| | Acute EC50 28.2 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute EC50 20.2 mg/l Fresh water | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| | Acute IC50 13.798 mg/l Fresh water | Algae - Pseudokirchneriella subcapitata | 96 hours |

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

Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|-------------------------|-------------------|--------------------------|------------------|----------|
| alpha-Terpineol | - | 80 % - Readily - 28 days | - | - |
| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability | |
| alpha-Terpineol | - | - | Readily | |

D0059298 v7.0

12. Ecological information

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-----------------------------|--------------------|-----|-----------|
| Isopropyl alcohol | 0.05 | - | low |
| alpha-Terpineol | 2.98 | - | low |
| 4-chloro-3,5-dimethylphenol | 3.27 | - | low |
| Terpinolene | 4.47 | - | high |
| dl-Limonene (racemic) | 4.57 | - | high |

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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

| Regulatory information | UN number | Proper shipping name | Classes | PG* | Label | Additional information |
|------------------------------|---------------|----------------------|----------------|-----|-------|------------------------|
| DOT Classification | Not regulated | Not applicable. | Not available. | - | | - |
| TDG Classification | Not regulated | Not applicable. | Not available. | - | | - |
| Mexico Classification | Not regulated | Not applicable. | Not available. | - | | - |
| IMDG Class | Not regulated | Not applicable. | Not available. | - | | - |
| | | | | | | |

Code # : FF930666 (D0059298) SDS # : D0059298 v7.0 Date of issue : 30/05/2018
CAN

11/15

D0059298 v7.0

14. Transport information

| | | | | | | |
|-----------------------|---------------|-----------------|----------------|---|--|---|
| IATA-DGR Class | Not regulated | Not applicable. | Not available. | - | | - |
|-----------------------|---------------|-----------------|----------------|---|--|---|

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.

PG* : Packing group

15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 307: chlorocresol; tetrachloroethylene
Clean Water Act (CWA) 311: sodium hydroxide

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

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 : Immediate (acute) health hazard

Composition/information on ingredients

| Name | % | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|-----------------------------|---------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| Isopropyl alcohol | 5 - 10 | Yes. | No. | No. | Yes. | No. |
| alpha-Terpineol | 5 - 10 | Yes. | No. | No. | Yes. | No. |
| Castor oil | 2.5 - 5 | No. | No. | No. | Yes. | No. |
| 4-chloro-3,5-dimethylphenol | 2.5 - 5 | No. | No. | No. | Yes. | No. |
| Terpinolene | 0.1 - 1 | Yes. | No. | No. | Yes. | No. |
| sodium hydroxide | 0.1 - 1 | No. | No. | Yes. | Yes. | No. |
| dl-Limonene (racemic) | 0.1 - 1 | Yes. | No. | No. | Yes. | No. |

D0059298 v7.0

15. Regulatory information

SARA 313

| | Product name | CAS number | % |
|---------------------------------|-------------------|------------|------|
| Form R - Reporting requirements | Isopropyl alcohol | 67-63-0 | 9.53 |
| Supplier notification | Isopropyl alcohol | 67-63-0 | 9.53 |

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: ISOPROPYL ALCOHOL; 2-PROPANOL
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: ISOPROPYL ALCOHOL; 2-PROPANOL
- Pennsylvania** : The following components are listed: ISOPROPYL ALCOHOL MANUFACTURE (STRONG-ACID PROCESS)

Canada

- WHMIS (Canada)** : Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

Canadian lists

- Canadian NPRI** : The following components are listed: Isopropyl alcohol
- CEPA Toxic substances** : None of the components are listed.
- Canada inventory** : All components are listed or exempted.

Label elements

- Signal word** : WARNING
POISON
- Hazard statements** : Combustible liquid.
MAY CAUSE EYE IRRITATION.
Harmful if swallowed.
- Precautionary measures** : Keep out of reach of children.
Avoid contact with eyes.
For external use only

16. Other information

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

| | | |
|---------------------|---|---|
| Health | * | 3 |
| Flammability | | 2 |
| Physical hazards | | 0 |
| Personal protection | | B |

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 are not required on MSDSs 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 mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

D0059298 v7.0

16. Other information

The customer is responsible for determining the PPE code for this material.

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



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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

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 Plot No 48
 Sector - 32
 Institutional Area
 Gurgaon, Haryana
 India - 122001

Revision comments : Section 3 range update

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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16. Other information



RB is a member of the CSPA Product Care Product Stewardship Program.