

### SECTION 1: Identification

#### 1.1. Identification

Product name : ISOPROPYL ALCOHOL 99%

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Topical Antiseptic, prevent bed sores and reduce excessive perspiration

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

RW Consumer Products Ltd  
200 Omand's Creek Blvd  
Winnipeg, Manitoba R2R 1V7 - Canada  
T (204) 786-6873

##### Distributor

Dow Chemical Canada ULC  
#2400, 215 2<sup>nd</sup> Street S.W.  
Calgary, AB  
T2P 1M4

##### Distributor

Univar Solutions  
99 Lowson Crescent  
Winnipeg, MB  
R3P 0T3

#### 1.4. Emergency telephone number

Emergency number : CANUTEC (613) 996-6666 (Transport only)

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Flam. Liq. 2  
Eye Irrit. 2A  
STOT SE 3

#### 2.2. Label elements

##### GHS labelling

Hazard pictograms (GHS) :



GHS02



GHS07

Signal word (GHS) :

Danger

Hazard statements (GHS) :

Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness

Precautionary statements (GHS) :

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Call a doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

### 3.2. Mixtures

| Name              | Product identifier | %     |
|-------------------|--------------------|-------|
| Isopropyl alcohol | (CAS No) 67-63-0   | 99.00 |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after 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.
- First-aid measures after skin contact : If skin irritation occurs: Wash skin with plenty of water. Wash clothing before re-using. Get medical attention if irritation develops and persists.
- First-aid measures after 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.
- First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
- Symptoms/injuries after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
- Symptoms/injuries after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/injuries after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry chemical. Alcohol foam.
- Unsuitable extinguishing media : Do not use water jet.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapour. Products of combustion may include, and are not limited to: oxides of carbon.
- Explosion hazard : May form flammable/explosive vapour-air mixture.
- Reactivity : No dangerous reactions known under normal conditions of use.

### 5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Cool closed containers exposed to fire with water spray.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
- Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Avoid eye contact. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
- Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep out of the reach of children. Keep container tightly closed in a cool, well-ventilated place.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Isopropyl alcohol (67-63-0)                       |   |
|---|---|
| <b>USA - ACGIH - Occupational Exposure Limits</b> |   |
| ACGIH TWA (ppm)                                   | 200 ppm   |
| ACGIH STEL (ppm)                                  | 400 ppm   |
| ACGIH chemical category                           | Not Classifiable as a Human Carcinogen  |
| <b>USA - ACGIH - Biological Exposure Indices</b>  |   |
| Biological Exposure Indices (BEI)                 | 40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific) |
| <b>USA - OSHA - Occupational Exposure Limits</b>  |   |
| OSHA PEL (TWA) (mg/m <sup>3</sup> )               | 980 mg/m <sup>3</sup>   |
| OSHA PEL (TWA) (ppm)                              | 400 ppm   |
| <b>USA - IDLH - Occupational Exposure Limits</b>  |   |
| US IDLH (ppm)                                     | 2000 ppm (10% LEL)  |
| <b>USA - NIOSH - Occupational Exposure Limits</b> |   |
| NIOSH REL (TWA) (mg/m <sup>3</sup> )              | 980 mg/m <sup>3</sup>   |
| NIOSH REL (TWA) [ppm]                             | 400 ppm   |
| NIOSH REL (STEL) (mg/m <sup>3</sup> )             | 1225 mg/m <sup>3</sup>  |
| NIOSH REL (STEL) [ppm]                            | 500 ppm   |

#### 8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.
- Hand protection : Wear suitable gloves.
- Eye protection : Chemical goggles or face shield.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Environmental exposure controls : Avoid release to the environment.
- Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : No data available
- Colour : Colourless
- Odour : Rubbing alcohol
- Odour threshold : No data available
- pH : No data available

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|  |   |
|--|---|
| Melting point                              | : No data available   |
| Freezing point                             | : -86 °C / -122 °F  |
| Boiling point                              | : 82 °C / 180 °F  |
| Flash point                                | : 12 °C / 54 °F closed cup; 17 °C / 63 °F open cup                              |
| Relative evaporation rate (butylacetate=1) | : 2.3   |
| Flammability (solid, gas)                  | : Highly flammable liquid and vapour  |
| Vapour pressure                            | : 33 mm Hg @20 °C/68 °F   |
| Relative vapour density at 20 °C           | : 2.07  |
| Relative density                           | : 0.785   |
| Solubility                                 | : Water: 100%   |
| Partition coefficient n-octanol/water      | : No data available   |
| Auto-ignition temperature                  | : 399 °C / 750 °F   |
| Decomposition temperature                  | : No data available   |
| Viscosity, kinematic                       | : No data available   |
| Viscosity, dynamic                         | : No data available   |
| Explosive limits                           | : Lower explosive limit (LEL): 2 vol %<br>Upper explosive limit (UEL): 12 vol % |
| Explosive properties                       | : No data available   |
| Oxidising properties                       | : No data available   |

### 9.2. Other information

|                                 |  |
|---------------------------------|--|
| Saturation vapour concentration | : 142 g/m <sup>3</sup> @ 25 °C / 77 °F |
| VOC content                     | : 100 %                                |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Sources of ignition. Heat. Incompatible materials.

### 10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Aldehydes. Halogenated hydrocarbons. Halogens. Phosgene. Iron salts. Hydrogen palladium. Potassium t-butoxide nitroform.

### 10.6. Hazardous decomposition products

May release flammable gases. May include, and are not limited to: oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                   |
|-----------------------------|-------------------|
| Acute toxicity (oral)       | : Not classified. |
| Acute toxicity (dermal)     | : Not classified. |
| Acute toxicity (inhalation) | : Not classified. |

| Isopropyl alcohol (67-63-0) |                                  |
|-----------------------------|----------------------------------|
| LD50 oral rat               | 5840 mg/kg                       |
| LD50 dermal rabbit          | > 12800 mg/kg                    |
| LC50 inhalation rat         | > 10000 ppm (Exposure time: 6 h) |

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Skin corrosion/irritation         | : Not classified.                |
| Serious eye damage/irritation     | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : Not classified.                |
| Germ cell mutagenicity            | : Not classified.                |
| Carcinogenicity                   | : Not classified.                |

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| Isopropyl alcohol (67-63-0)          |   |
|--------------------------------------|---|
| IARC group                           | 3 - Not classifiable  |
| Reproductive toxicity                | : Not classified.   |
| STOT-single exposure                 | : May cause drowsiness or dizziness.  |
| STOT-repeated exposure               | : Not classified.   |
| Aspiration hazard                    | : Not classified.   |
| Symptoms/injuries after inhalation   | : May cause irritation to the respiratory tract. May cause drowsiness or dizziness.   |
| Symptoms/injuries after skin contact | : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.  |
| Symptoms/injuries after eye contact  | : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. |
| Symptoms/injuries after ingestion    | : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.  |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

| Isopropyl alcohol (67-63-0) |  |
|-----------------------------|--|
| LC50 fish 1                 | 9640 mg/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [flow-through]) |
| EC50 Daphnia 1              | 13299 mg/l (Exposure time: 48 h - Species: <i>Daphnia magna</i> )                    |
| LC50 fish 2                 | 11130 mg/l (Exposure time: 96 h - Species: <i>Pimephales promelas</i> [static])      |

### 12.2. Persistence and degradability

| ISOPROPYL ALCOHOL 99%         |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

| ISOPROPYL ALCOHOL 99%     |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Isopropyl alcohol (67-63-0)           |                 |
|---------------------------------------|-----------------|
| Partition coefficient n-octanol/water | 0.05 (at 25 °C) |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
Other information : No other effects known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
Additional information : Handle empty containers with care because residual vapours are flammable.

## SECTION 14: Transport information

### Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG

UN-No.(DOT/TDG) : UN1219  
Proper Shipping Name (DOT/TDG) : Isopropyl alcohol  
Class (DOT/TDG) : Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Packing group (DOT/TDG) : II  
Hazard labels (DOT/TDG) :



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### SECTION 15: Regulatory information

#### 15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

#### Isopropyl alcohol (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Subject to reporting requirements of United States SARA Section 313

|                                       |   |
|---------------------------------------|---|
| SARA Section 313 - Emission Reporting | 1 % (only if manufactured by the strong acid process, no supplier notification) |
|---------------------------------------|---|

#### 15.2. International regulations

No additional information available

#### 15.3. US State regulations

#### Isopropyl alcohol (67-63-0)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) List

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16: Other information

Revision date : 09/30/2020  
Other information : None.  
Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)



Indication of changes:  
SDS update.

SDS HazCom 2012 - WHMIS 2015 (NexReg)

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