

### SECTION 1: Identification

#### 1.1. Identification

|              |  |
|--------------|--|
| Product form | : Substance  |
| Trade name   | : ISOPROPYL ALCOHOL (ISOPROPANOL)  |
| CAS-No.      | : 67-63-0  |
| Product code | : TS128  |
| Formula      | : C3H8O  |
| Synonyms     | : 1-methylethanol / 1-methylethyl alcohol / 2-hydroxypropane / 2-propanol / 2-propanol, anhydrous / 2-propyl alcohol / AI3-01636 / alcojel / alcosolve / AVANTIN / AVANTINE / caswell No 507 / chromar (=2-propanol) / combi-schutz / CORONA WIRE CLEANER (=2-propanol) / CTL R-53 reducer / dimethyl carbinol / DISK DRIVE HEAD CLEANING KIT (=2-propanol) / ethyl carbinol / hartosol / hydroxypropane / imsol A / IPA SGL / IPA T1 / IPA USP / IPA, anhydrous / IPA-EG / isoethylcarbinol / isohol / isopropanol / isopropanol, anhydrous / isopropyl alcohol / isopropyl alcohol, anhydrous / KENCO #880-T FLUX THINNER (=2-propanol) / LENS CLENS #3 (=2-propanol) / lutosol / normal-propan-2-ol / n-propan-2-ol / perspirit / persprit / petrohol / PRO / propan-2-ol / propyl alcohol (=sec-propyl alcohol) / pseudo-propyl alcohol / secondary-propyl alcohol / sec-propanol / sec-propyl alcohol / spectrar / STCC 4904205 / sterisol hand disinfectant / takineocol / TEXPADS / visco 1152 / XEROX FILM REMOVER |
| BIG no       | : 10028  |

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

|                              |                           |
|------------------------------|---------------------------|
| Use of the substance/mixture | : Disinfectant<br>Solvent |
|------------------------------|---------------------------|

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

Crown Paint Company  
1801 W. Sheridan  
Oklahoma City, 73106 - United States  
T 1-405-232-8580  
[crownpaint@polyglasscoatings.com](mailto:crownpaint@polyglasscoatings.com) - [www.crownpaintok.com](http://www.crownpaintok.com)

#### 1.4. Emergency telephone number

|                  |   |
|------------------|---|
| Emergency number | : In the event of an emergency involving dangerous goods:<br>in Canada call CHEMTREC at 1-800-424-9300 24 hours / 7 days (Account Name for Canada Endura Manufacturing Co. Ltd.)<br>in the US call CHEMTREC at 1-800-424-9300 24 hours / 7 days (Account Name for US is Polyglass Coatings) |
|------------------|---|

### SECTION 2: Hazard(s) identification

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

##### GHS US classification

|   |      |                                   |
|---|------|-----------------------------------|
| Flammable liquids Category 2                                | H225 | Highly flammable liquid and vapor |
| Serious eye damage/eye irritation Category 2                | H319 | Causes serious eye irritation     |
| Specific target organ toxicity (single exposure) Category 3 | H336 | May cause drowsiness or dizziness |
| Full text of H statements : see section 16                  |      |                                   |

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H225 - Highly flammable liquid and vapor  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness

Precautionary statements (GHS-US)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

# ISOPROPYL ALCOHOL (ISOPROPANOL)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P233 - Keep container tightly closed.  
P240 - Ground/Bond container and receiving equipment  
P241 - Use explosion-proof electrical/ventilating/lighting equipment  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a poison center/doctor/physician if you feel unwell  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P370+P378 - In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2) to extinguish  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with all local, regional, national and international regulations.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Substance type : Mono-constituent

| Name                             | Product identifier | wt% | GHS US classification                                       |
|----------------------------------|--------------------|-----|---|
| 2-propanol<br>(Main constituent) | (CAS-No.) 67-63-0  | 100 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |

Full text of H-phrases: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a poison center/doctor/physician if you feel unwell.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off all contaminated clothing immediately.  
First-aid measures after eye contact : 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 : Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Give activated charcoal. Immediately call a poison center or doctor/physician. Call a poison center/doctor/physician if you feel unwell.

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

Symptoms/effects : May cause drowsiness or dizziness.  
Symptoms/effects after inhalation : EXPOSURE TO HIGH CONCENTRATIONS: Central nervous system depression. Headache. Dizziness. Drowsiness. Coughing. Dry/sore throat.  
Symptoms/effects after skin contact : No effects known.  
Symptoms/effects after eye contact : Irritation to eyes.  
Symptoms/effects after ingestion : AFTER INGESTION OF HIGH QUANTITIES: Nausea. Headache. Vomiting. Disturbances of consciousness. Central nervous system depression. Abdominal pain. Disturbed motor response. Low arterial pressure. Dilation of the blood vessels. Body temperature fall. Slowing respiration.  
Chronic symptoms : Skin rash/inflammation. Dry skin. Red skin. Cracking of the skin. Itching. Impaired memory.

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

Treat symptomatically.

# ISOPROPYL ALCOHOL (ISOPROPANOL)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide. Dry chemical powder. Water spray. Dry powder. Foam.  
Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : Highly flammable liquid and vapor.  
Explosion hazard : DIRECT EXPLOSION HAZARD: Gas/vapour explosive with air within explosion limits.  
INDIRECT EXPLOSION HAZARD: may be ignited by sparks.  
Reactivity : Highly flammable liquid and vapor.

#### 5.3. Advice for firefighters

Firefighting instructions : Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Protective equipment : Gloves (EN 374). Protective goggles (EN 166). Protective clothing (EN 14605 or EN 13034). Large spills/in enclosed spaces: compressed air apparatus (EN 136 + EN 137).  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

For containment : Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute/disperse combustible gas/vapour with water curtain. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

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

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Remove contaminated clothes. Wash contaminated clothing before reuse.

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

Technical measures : Ground/bond container and receiving equipment.  
Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.  
Storage temperature : 15 – 25 °C  
Heat-ignition : KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.  
Information on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases. amines. halogens.

# ISOPROPYL ALCOHOL (ISOPROPANOL)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                            |  |
|----------------------------|--|
| Storage area               | : Store in a dry area. Keep container in a well-ventilated place. Fireproof storeroom. Provide for a tub to collect spills. Provide the tank with earthing. May be stored under nitrogen. Meet the legal requirements. |
| Special rules on packaging | : SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.   |
| Packaging materials        | : SUITABLE MATERIAL: stainless steel. monel steel. carbon steel. copper. nickel. bronze. glass. Teflon. polyethylene. polypropylene. zinc. MATERIAL TO AVOID: steel with rubber inner lining. aluminium.               |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| ISOPROPYL ALCOHOL (ISOPROPANOL) (67-63-0) |                                     |                           |
|---|-------------------------------------|---------------------------|
| ACGIH                                     | ACGIH TWA (ppm)                     | 200 ppm                   |
| ACGIH                                     | ACGIH STEL (ppm)                    | 400 ppm                   |
| ACGIH                                     | Remark (ACGIH)                      | Eye & URT irr; CNS impair |
| OSHA                                      | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 980 mg/m <sup>3</sup>     |
| OSHA                                      | OSHA PEL (TWA) (ppm)                | 400 ppm                   |

### 8.2. Exposure controls

|                                   |  |
|-----------------------------------|--|
| Appropriate engineering controls  | : Ensure good ventilation of the work station.   |
| Materials for protective clothing | : GIVE EXCELLENT RESISTANCE: nitrile rubber. butyl rubber. viton. polyethylene/ethylenevinylalcohol. GIVE GOOD RESISTANCE: chloroprene rubber. neoprene. GIVE LESS RESISTANCE: neoprene/natural rubber. GIVE POOR RESISTANCE: natural rubber. polyethylene. PVA. |
| Hand protection                   | : Protective gloves.   |
| Eye protection                    | : Safety glasses.  |
| Skin and body protection          | : Wear suitable protective clothing.   |
| Respiratory protection            | : In case of insufficient ventilation, wear suitable respiratory equipment.  |
| Environmental exposure controls   | : Avoid release to the environment.  |

## SECTION 9: Physical and chemical properties

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

|   |   |
|---|---|
| Physical state                              | : Liquid                                |
| Appearance                                  | : Liquid.                               |
| Color                                       | : No data available                     |
| Odor  | : Alcohol odour Stuffy odour Mild odour |
| Odor threshold                              | : No data available                     |
| pH  | : No data available in the literature   |
| Melting point                               | : Not applicable                        |
| Freezing point                              | : No data available                     |
| Boiling point                               | : 83 °C (1013 hPa)<br>180 °F (1013hPa)  |
| Critical temperature                        | : 235 °C                                |
| Critical pressure                           | : 47600 hPa                             |
| Flash point                                 | : 12 °C (Closed cup)<br>53.6 °F         |
| Relative evaporation rate (butyl acetate=1) | : 2.3                                   |
| Relative evaporation rate (ether=1)         | : 21                                    |
| Flammability (solid, gas)                   | : No data available                     |
| Explosion limits                            | : 2 – 13 vol %                          |
| Explosive properties                        | : No data available                     |
| Oxidizing properties                        | : No data available                     |
| Vapor pressure                              | : 44 hPa (20 °C)                        |
| Relative density                            | : 0.8 (20 °C)                           |
| Relative vapor density at 20 °C             | : 2.1                                   |

# ISOPROPYL ALCOHOL (ISOPROPANOL)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|   |  |
|---|--|
| Relative density of saturated gas/air mixture   | : 1.05   |
| Specific gravity / density                      | : 786 kg/m <sup>3</sup> (20 °C)  |
| Molecular mass                                  | : 60.1 g/mol   |
| Solubility                                      | : Miscible with water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in oils/fats. Soluble in chloroform.<br>Water: miscible<br>Ethanol: complete<br>Ether: complete<br>Acetone: soluble |
| Partition coefficient n-octanol/water (Log Pow) | : 0.05 (Weight of evidence approach, 25 °C)  |
| Auto-ignition temperature                       | : 399 °C (T2)<br>750 °F  |
| Decomposition temperature                       | : No data available in the literature  |
| Viscosity                                       | : No data available  |
| Viscosity, kinematic                            | : No data available in the literature  |
| Viscosity, dynamic                              | : 2.1 mPa.s (25 °C)  |

### 9.2. Other information

|   |   |
|---|---|
| Minimum ignition energy                                   | : 0.65 mJ   |
| Specific conductivity                                     | : 350000000 pS/m (25 °C)                                |
| Saturation concentration                                  | : 106 g/m <sup>3</sup>                                  |
| VOC content (Regulatory - Less water and exempt solvents) | : 100 %   |
| Other properties  | : Gas/vapour heavier than air at 20°C. Clear. Volatile. |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition. Avoid contact with hot surfaces. Heat.

### 10.5. Incompatible materials

Oxidizing agent. strong acids. Aldehydes. Chlorine. Ethylene oxide. Halogens. Isocyanates.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                           |                                    |
|---------------------------|------------------------------------|
| Likely routes of exposure | : Inhalation; Skin and eye contact |
| Acute toxicity            | : Not classified                   |

| ISOPROPYL ALCOHOL (ISOPROPANOL) (67-63-0) |   |
|---|---|
| LD50 oral rat                             | 5840 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s))                              |
| LD50 dermal rabbit                        | 12882 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Converted value, Dermal, 14 day(s)) |
| LC50 inhalation rat (ppm)                 | > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))     |
| ATE US (oral)                             | 5840 mg/kg body weight  |
| ATE US (dermal)                           | 12882 mg/kg body weight   |

|                           |   |
|---------------------------|---|
| Skin corrosion/irritation | : Not classified<br>pH: No data available in the literature |
|---------------------------|---|

# ISOPROPYL ALCOHOL (ISOPROPANOL)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|   |   |
|---|---|
| Serious eye damage/irritation                       | : Causes serious eye irritation.<br>pH: No data available in the literature   |
| Respiratory or skin sensitization                   | : Not classified  |
| Germ cell mutagenicity                              | : Not classified  |
| Carcinogenicity                                     | : Not classified  |
| Reproductive toxicity                               | : Not classified  |
| Specific target organ toxicity – single exposure    | : May cause drowsiness or dizziness.  |
| Specific target organ toxicity – repeated exposure  | : Not classified  |
| Aspiration hazard                                   | : Not classified  |
| Potential Adverse human health effects and symptoms | : Non-toxic if swallowed (LD50 oral, rat > 5000 mg/kg). Not irritant to skin. Non-toxic in contact with skin (LD50 skin > 5000 mg/kg). May cause drowsiness or dizziness. Causes serious eye irritation.  |
| Symptoms/effects after inhalation                   | : EXPOSURE TO HIGH CONCENTRATIONS: Central nervous system depression. Headache. Dizziness. Drowsiness. Coughing. Dry/sore throat.   |
| Symptoms/effects after skin contact                 | : No effects known.   |
| Symptoms/effects after eye contact                  | : Irritation to eyes.   |
| Symptoms/effects after ingestion                    | : AFTER INGESTION OF HIGH QUANTITIES: Nausea. Headache. Vomiting. Disturbances of consciousness. Central nervous system depression. Abdominal pain. Disturbed motor response. Low arterial pressure. Dilatation of the blood vessels. Body temperature fall. Slowing respiration. |
| Chronic symptoms                                    | : Skin rash/inflammation. Dry skin. Red skin. Cracking of the skin. Itching. Impaired memory.   |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |   |
|-------------------|---|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.   |
| Ecology - air     | : Not included in the list of substances which may contribute to the greenhouse effect (IPCC). Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Photooxidation in the air. Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009). |
| Ecology - water   | : Not harmful to crustacea (Daphnia). Not harmful to fishes. Groundwater pollutant. Inhibition of activated sludge. Not harmful to algae.   |

#### ISOPROPYL ALCOHOL (ISOPROPANOL) (67-63-0)

|             |  |
|-------------|--|
| LC50 fish 1 | 9640 – 10000 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal) |
|-------------|--|

### 12.2. Persistence and degradability

#### ISOPROPYL ALCOHOL (ISOPROPANOL) (67-63-0)

|                                 |  |
|---------------------------------|--|
| Persistence and degradability   | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.19 g O <sub>2</sub> /g substance   |
| Chemical oxygen demand (COD)    | 2.23 g O <sub>2</sub> /g substance   |
| ThOD                            | 2.4 g O <sub>2</sub> /g substance  |

### 12.3. Bioaccumulative potential

#### ISOPROPYL ALCOHOL (ISOPROPANOL) (67-63-0)

|   |  |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | 0.05 (Weight of evidence approach, 25 °C)        |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4). |

### 12.4. Mobility in soil

#### ISOPROPYL ALCOHOL (ISOPROPANOL) (67-63-0)

|                 |  |
|-----------------|--|
| Surface tension | No data available (test not performed) |
| Ecology - soil  | Highly mobile in soil.                 |

### 12.5. Other adverse effects

No additional information available

# ISOPROPYL ALCOHOL (ISOPROPANOL)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Product/Packaging disposal recommendations : Do not discharge into drains or the environment. Dispose of at authorized waste collection point. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.
- Additional information : Do not reuse empty containers.  
. Handle empty containers with care because residual vapors are flammable. Flammable vapors may accumulate in the container.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

- Transport document description : UN1219 Isopropanol, 3, II
- UN-No.(DOT) : UN1219
- Proper Shipping Name (DOT) : Isopropanol
- Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
- Hazard labels (DOT) : 3 - Flammable liquid



- Packing group (DOT) : II - Medium Danger
- DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
- DOT Packaging Bulk (49 CFR 173.xxx) : 242
- DOT Special Provisions (49 CFR 172.102) : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.  
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
- DOT Packaging Exceptions (49 CFR 173.xxx) : 4b;150
- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L
- DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L
- DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
- Other information : No supplementary information available.

#### Transportation of Dangerous Goods

- Transport document description : UN1219 ISOPROPANOL (ISOPROPANOL), 3, II
- UN-No. (TDG) : UN1219
- Proper Shipping Name (Transportation of Dangerous Goods) : ISOPROPANOL
- TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids
- Packing group : II - Medium Danger
- Explosive Limit and Limited Quantity Index : 1



# ISOPROPYL ALCOHOL (ISOPROPANOL)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Passenger Carrying Road Vehicle or Passenger : 5  
Carrying Railway Vehicle Index

### Transport by sea

UN-No. (IMDG) : 1219  
Proper Shipping Name (IMDG) : ISOPROPANOL (ISOPROPYL ALCOHOL)  
Class (IMDG) : 3 - Flammable liquids  
Packing group (IMDG) : II - substances presenting medium danger  
EmS-No. (1) : F-E  
EmS-No. (2) : S-D

### Air transport

Proper Shipping Name (IATA) : Isopropanol

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### ISOPROPYL ALCOHOL (ISOPROPANOL) (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on SARA Section 313 (Specific toxic chemical listings)

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

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|            |                 |      |
|------------|-----------------|------|
| 2-propanol | CAS-No. 67-63-0 | 100% |
|------------|-----------------|------|

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

#### ISOPROPYL ALCOHOL (ISOPROPANOL) (67-63-0)

|                            |   |
|----------------------------|---|
| State or local regulations | U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>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 and/or reproductive harm

## SECTION 16: Other information

Revision date : 07/16/2021

Full text of H-phrases:

|      |                                   |
|------|-----------------------------------|
| H225 | Highly flammable liquid and vapor |
| H319 | Causes serious eye irritation     |
| H336 | May cause drowsiness or dizziness |

SDS US Endura

*The information contained here has been compiled from sources considered by Endura Manufacturing Co. Ltd to be dependable and is accurate to the best of the Company's knowledge. However, neither Endura Manufacturing Co. Ltd or any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. 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. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.*