

# SAFETY DATA SHEET

Preparation Date: 1/20/2014

Revision Date: 1/16/2018

Revision Number: G3

## 1. IDENTIFICATION

### Product identifier

**Product code:** HP692  
**Product Name:** ISOPROPYL ALCOHOL, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE

### Other means of identification

**Synonyms:** 1-Methylethanol  
1-Methylethyl alcohol  
2-Hydroxypropane  
2-Propanol  
2-Propyl alcohol  
Alcojel  
Alcool isopropylique (French)  
Alcosolve  
Avantin  
Avantine  
Combi-schutz  
Dimethylcarbinol  
Hartosol  
Imsol A  
Isohol  
Isopropanol  
Lutosol  
n-Propan-2-ol  
Petrohol  
sec-Propyl alcohol  
Spectrar  
Sterisol hand disinfectant  
Takineocol  
Virahol

**CAS #:** 67-63-0  
**RTECS #** NT8050000  
**CI#:** Not available

### Recommended use of the chemical and restrictions on use

**Recommended use:** Solvent. Preservative. Antiseptic. Disinfectant. In pharmaceuticals.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>  
**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Martin LaBenz (West Coast)  
**Contact Person:** Ibad Tirmiz (East Coast)

**Product code:** HP692

**Product name:** ISOPROPYL  
ALCOHOL, EXCEEDS A.C.S.  
SPECIFICATIONS, HPLC GRADE

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Serious eye damage/eye irritation	Category 2A
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Flammable liquids	Category 2

### Label elements

#### **Danger**

#### **Hazard statements**

Causes serious eye irritation  
Suspected of damaging fertility or the unborn child  
May cause respiratory irritation. May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure  
Highly flammable liquid and vapor



#### Hazards not otherwise classified (HNOC)

Not Applicable

#### Other hazards

Can burn with an invisible flame  
May be harmful if swallowed  
Causes mild skin irritation

#### **Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting/.../equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool

#### **Precautionary Statements - Response**

In case of fire: Use CO2, dry chemical, or foam to extinguish.

**Product code:** HP692

**Product name:** ISOPROPYL  
ALCOHOL, EXCEEDS A.C.S.  
SPECIFICATIONS, HPLC GRADE

2 / 15

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 If skin irritation occurs: Get medical advice/attention  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight %
Isopropyl Alcohol	67-63-0	100

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

**Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops.

**Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**

- Moderate eye irritation
- Mild skin irritation
- Central nervous system effects
- Dizziness
- Drowsiness
- Ataxia
- Narcosis
- Irritability
- Hallucinations
- May cause cardiovascular effects
- Cardiac arrhythmias
- May affect respiration
- Dyspnea (Difficulty breathing and shortness of breath)
- Respiratory depression
- Nausea
- Vomiting

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically.

**Product code:** HP692

**Product name:** ISOPROPYL ALCOHOL, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE

**Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:**

Carbon dioxide (CO2). Dry chemical. Alcohol-resistant foam. Water spray.

**Unsuitable Extinguishing Media:**

Do not use a solid (straight) water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

**Hazardous Combustion Products:**

Carbon Monoxide, Carbon Dioxide.

**Specific hazards:**

Highly flammable. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. Material can burn with invisible flame. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Fire may produce irritating, corrosive and/or toxic gases.

**Special Protective Actions for Firefighters**

**Specific Methods:**

Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

**Special Protective Equipment for Firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions:** Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

#### **Safe Handling Advice**

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

#### **Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Sensitive to light. Store in light-resistant containers. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

#### **Incompatible Materials:**

Oxidizing agents  
Acids  
Bases  
isocyanates  
Amines  
Ammonia  
Halogenated compounds  
Halogens  
Chlorine  
Phosgene  
Ethylene oxide

Acetaldehyde  
 chromium trioxide  
 Potassium t-butoxide  
 Aluminum  
 Oleum

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**National occupational exposure limits**

**United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Isopropyl Alcohol	67-63-0	400 ppm TWA 980 mg/m <sup>3</sup> TWA	400 ppm TWA 980 mg/m <sup>3</sup> TWA 500 ppm STEL 1225 mg/m <sup>3</sup> STEL	400 ppm STEL 200 ppm TWA	None

**Canada**

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Isopropyl Alcohol	67-63-0	200 ppm TWA 492 mg/m <sup>3</sup> TWA 400 ppm STEL 984 mg/m <sup>3</sup> STEL	200 ppm TWA 400 ppm STEL	400 ppm STEL	None

**Australia and Mexico**

Components	CAS-No.	Australia	Mexico
Isopropyl Alcohol	67-63-0	500 ppm STEL 1230 mg/m <sup>3</sup> STEL 400 ppm TWA 983 mg/m <sup>3</sup> TWA	400 ppm TWA 980 mg/m <sup>3</sup> TWA 500 ppm STEL 1225 mg/m <sup>3</sup> STEL

**Appropriate engineering controls**

**Engineering measures to reduce exposure:**

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

**Individual protection measures, such as personal protective equipment**

**Personal Protective Equipment**

- Eye protection:** Goggles
- Skin and body protection:** Chemical resistant apron  
Long sleeved clothing  
Gloves
- Respiratory protection:** Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
- Hygiene measures:** Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Liquid	<b>Appearance:</b> No information available.	<b>Color:</b> Clear. Colorless.
<b>Odor:</b> Pleasant. Odor resembling that of a mixture of ethanol and acetone.	<b>Taste</b> Bitter. Burning.	<b>Formula:</b> C3-H8-O
<b>Molecular/Formula weight:</b> 60.1	<b>Flammability:</b> No information available	<b>Flashpoint (°C/°F):</b> 12-14 °C/52.6-57.2°F 23.9 °C/75 °F
<b>Flash Point Tested according to:</b> Closed cup Open cup	<b>Autoignition Temperature (°C/°F):</b> 399 °C/750.2 °F	<b>Lower Explosion Limit (%):</b> 2%
<b>Upper Explosion Limit (%):</b> 12.7%	<b>Melting point/range(°C/°F):</b> -88.5 °C/-127.3 °F	<b>Decomposition temperature(°C/°F):</b> No information available
<b>Boiling point/range(°C/°F):</b> 78.3 °C/ °F	<b>Bulk density:</b> No information available	<b>Density (g/cm3):</b> No information available
<b>Specific gravity:</b> 0.78505	<b>pH:</b> No information available	<b>Vapor pressure @ 20°C (kPa):</b> 4.4
<b>Evaporation rate:</b> 21 (ether=1) 1.7-2.3 (n-butyl acetate=1)	<b>Vapor density:</b> 2.07	<b>VOC content (g/L):</b> 785
<b>Odor threshold (ppm):</b> 22	<b>Partition coefficient (n-octanol/water):</b> 0.05 - 0.1	<b>Viscosity:</b> No information available
<b>Miscibility:</b> Miscible with water Miscible with Acetone Miscible with alcohol Miscible with Ether Miscible with Benzene Miscible with Chloroform	<b>Solubility:</b> No information available	

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactive with acids

Reacts with strong bases

It can react vigorously, violently or explosively with oxidizers

Contact with strong oxidizers may cause fire

Vigorous reaction when mixed with sodium dichromate + sulfuric acid

Explosive reaction can occur when it is mixed with nitroform

Contact with potassium-tert-butoxide can cause ignition

It forms explosive mixtures with trinitromethane, hydrogen peroxide, barium perchlorate

Hydrogen peroxide sharply reduces the autoignition temperature of isopropyl alcohol

After a delay, isopropyl alcohol ignites on contact with dioxygenyl tetrafluoroborate, chromium trioxide, potassium tert-butoxide

It reacts violently with hydrogen-palladium combination, oleum, aluminum triisopropoxide, COCl<sub>2</sub>

Ignition occurs when potassium tert-butoxide reacts with n-propanol

### Chemical stability

**Stability:**

Stable under recommended storage conditions.

**Product code:** HP692

**Product name:** ISOPROPYL  
ALCOHOL, EXCEEDS A.C.S.  
SPECIFICATIONS, HPLC GRADE

7 / 15

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Ignition sources. Exposure to light. Incompatible materials.

**Incompatible Materials:** Oxidizing agents  
Acids  
Bases  
isocyanates  
Amines  
Ammonia  
Halogenated compounds  
Halogens  
Chlorine  
Phosgene  
Ethylene oxide  
Acetaldehyde  
chromium trioxide  
Potassium t-butoxide  
Aluminum  
Oleum

**Hazardous decomposition products:** Carbon monoxide. Carbon dioxide. When heated to decomposition it emits acrid smoke and irritating fumes.

**Other Information**

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
Ingestion. Skin. Eyes. Inhalation.

### Acute Toxicity

### Component Information

Isopropyl Alcohol

CAS-No. 67-63-0

**LD50/oral/rat** = 1870 mg/kg Oral LD50 Rat

**LD50/oral/mouse** = 3600 mg/kg (RTECS)

**LD50/dermal/rabbit** = 12800 mg/kg(RTECS)

4059 mg/kg(LOLI)

12870 mg/kg(EU Chemicals Bureau IUCLID dataset)

**LD50/dermal/rat** = No information available

**LC50/inhalation/rat** = 72.6 mg/l 4 h

16000 ppm Inhalation LC50 Rat 8 h

**LC50/inhalation/mouse** = 27.2 mg/l 4 h

**Other LD50 or LC50 information** = LD50 oral 6410 mg/kg [Rabbit]

### Product Information

**Product code:** HP692

**Product name:** ISOPROPYL  
ALCOHOL, EXCEEDS A.C.S.  
SPECIFICATIONS, HPLC GRADE

8 / 15

**LD50/oral/rat =**  
**VALUE- Acute Tox Oral = 4396 mg/kg**

**LD50/oral/mouse =**  
**Value - Acute Tox Oral = 3600 mg/kg**

**LD50/dermal/rabbit**  
**VALUE-Acute Tox Dermal = 12800 mg/kg**

**LD50/dermal/rat**  
**VALUE -Acute Tox Dermal = 12800 mg/kg**

**LC50/inhalation/rat**  
**VALUE-Vapor = 72.6 mg/l (4-hr)**  
**VALUE-Gas = No information available**  
**VALUE-Dust/Mist = No information available**

**LC50/Inhalation/mouse**  
**VALUE-Vapor = No information available**  
**VALUE - Gas = No information available**  
**VALUE - Dust/Mist = 27.2 mg/l 4 h**

### Symptoms

**Skin Contact:** May cause skin irritation. Mild skin irritation. It may be absorbed through the skin. If absorbed through skin it may cause systemic effects.

**Eye Contact:** Causes serious eye irritation. Moderately irritating to the eyes.

**Inhalation** Irritating to respiratory system. It may affect the cardiovascular system (change in pulse rate). May affect respiration (respiratory depression). Inhalation of high concentrations of vapor may cause anesthetic effects. Inhalation of high concentrations of vapors may cause dizziness or suffocation. May affect behavior/central nervous system (dizziness, loss of coordination, coma). May affect behavior/central nervous system (headache, fatigue, lack of concentration, reduced memory, hallucinations, stupor, unconsciousness). May affect behavior/central nervous system (somnolence).

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause abdominal pain. May affect the cardiovascular system (change in heart rate). May affect cardiovascular system (hypotension, cardiac arrhythmias). May affect respiration (dyspnea, respiratory depression). May affect urinary system (kidneys). May affect peripheral nervous system (peripheral nerve and sensation - spastic paralysis with or without sensory change). It may affect behavior/central nervous system (central nervous system depression, ataxia, general anesthetic). May affect behavior/central nervous system (dizziness, headache). May affect behavior/central nervous system (somnolence). May affect behavior central nervous system (irritability, hallucinations, coma). Aspiration may lead to pulmonary edema. Aspiration into the lungs can cause chemical pneumonitis.

**Aspiration hazard** No information available.

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

**Chronic Toxicity** Prolonged or repeated skin contact may cause dermatitis and defatting, dryness, and cracking of the skin. Chronic exposure may cause central nervous system effects. Prolonged or repeated ingestion may affect the liver. Prolonged or

repeated inhalation may affect the peripheral nervous system (weakness, peripheral neuropathy with paresthesia - a tingling, pricking, or numbness of the skin (known as the feeling of "pins and needles) generally of the hands and feet (extremities)). Prolonged or repeated inhalation may affect the liver. Prolonged or repeated inhalation may affect the kidneys. Prolonged or repeated inhalation may affect the brain. Prolonged or repeated inhalation may affect the blood (changes in serum composition, pigmentated or nucleated red blood cells).

**Sensitization:** No information available.

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not classifiable as a human carcinogen. Not classifiable as to its carcinogenicity to humans.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Isopropyl Alcohol	67-63-0	Group 3 - Not Classifiable - Monograph 71 [1999] Supplement 7 [1987] Monograph 15 [1977]	A4 Not Classifiable as a Human Carcinogen	Not listed	Not listed	Not listed	Not listed

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A4 - Not Classifiable as a Human Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 3 - Not classifiable as to its carcinogenicity to humans*

*NTP (National Toxicology Program)*

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

**Reproductive toxicity** Suspected of damaging fertility or the unborn child

**Reproductive Effects:** No information available

**Developmental Effects:** Possible risk of harm to the unborn child

May cause adverse developmental effects

**Teratogenic Effects:** May cause birth defects (teratogenic effects) based on animal test data

Showed teratogenic effects in animal experiments

**Specific Target Organ Toxicity**

**STOT - single exposure** Respiratory system. central nervous system.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure. liver. kidney. Peripheral Nervous System (PNS). central nervous system. spleen. Blood.

**Target Organs:** Skin. Central nervous system. Peripheral nervous system. Brain. Liver. Kidneys. Blood. Spleen.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity effects:** Aquatic environment.

*Isopropyl Alcohol - 67-63-0*

**Product code:** HP692

**Product name:** ISOPROPYL ALCOHOL, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE

**10 / 15**

**Freshwater Algae Data:** 1000 mg/L EC50 Desmodesmus subspicatus 96 h 1000 mg/L EC50 Desmodesmus subspicatus 72 h

**Freshwater Fish Species Data:** 9640 mg/L LC50 Pimephales promelas 96 h flow-through 1 11130 mg/L LC50 Pimephales promelas 96 h static 1 1400000 µg/L LC50 Lepomis macrochirus 96 h 1

**Water Flea Data:** 13299 mg/L EC50 Daphnia magna 48 h

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

**Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Isopropyl Alcohol	67-63-0	None	None	None	None

### 14. TRANSPORT INFORMATION

**DOT**

**UN-No:** UN1219  
**Proper Shipping Name:** Isopropyl alcohol solution  
**Hazard Class:** 3  
**Subsidiary Class** No information available  
**Packing group:** II  
**Emergency Response Guide Number** No information available  
**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions** No Information available  
**Symbol(s):** No information available  
**Description:** UN1219,Isopropanol ,3,,PG II

**TDG (Canada)**

**UN-No:** UN1219  
**Proper Shipping Name:** Isopropyl alcohol solution  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant** No Information available  
**Description:** ISOPROPANOL,3,UN1219,PG II

**ADR**

**UN-No:** UN1219  
**Proper Shipping Name:** Isopropanol (Isopropyl alcohol)  
**Hazard Class:** 3

**Product code:** HP692

**Product name:** ISOPROPYL ALCOHOL, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE

**Packing Group:** II  
**Subsidiary Risk:** No information available  
**Description:** UN1219 Isopropanol,3,II

**IMO / IMDG**

**UN-No:** UN1219  
**Proper Shipping Name:** Isopropanol (Isopropyl alcohol)  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant:** No information available  
**EMS:** F-E

**RID**

**UN-No:** UN1219  
**Proper Shipping Name:** Isopropanol (Isopropyl alcohol)  
**Hazard Class:** 3  
**Subsidiary Risk:** 3  
**Packing Group:** II  
**Description:** UN1219 Isopropanol,3,II,RID

**ICAO**

**UN-No:** UN1219  
**Proper Shipping Name:** Isopropyl alcohol solution  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** Isopropanol,3,UN1219,PG II

**IATA**

**UN-No:** UN1219  
**Proper Shipping Name:** Isopropyl alcohol solution  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**ERG Code:** 3L  
**Special Provisions:** No information available  
**Description:** UN1219,Isopropanol,3,PG II

<b>15. REGULATORY INFORMATION</b>
-----------------------------------

**International Inventories**

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
<i>Isopropyl Alcohol</i>	67-63-0	Present ACTIV E	Present KE-29363	Present	Present (2)-207	Present	Present	Present 200-661-7

**U.S. Regulations**

*Isopropyl Alcohol*

- Massachusetts RTK:** Present
- New Jersey RTK Hazardous Substance List:** 1076
- New Jersey (EHS) List:** 1076 500 lb TPQ
- New Jersey - Discharge Prevention - List of Hazardous Substances:** Present
- Pennsylvania RTK:** Environmental hazard
- Pennsylvania RTK - Environmental Hazard List:** Present
- Minnesota - Hazardous Substance List:** Present

**Product code:** HP692

**Product name:** ISOPROPYL  
 ALCOHOL, EXCEEDS A.C.S.  
 SPECIFICATIONS, HPLC GRADE

**California Directors List of Hazardous Substances:** Present

**FDA - Direct Food Additives** 21 CFR 172.515, 21 CFR 173.240, 21 CFR 173.340

**FDA - 21 CFR - Total Food Additives** 172.385, 172.515, 172.560, 172.665, 172.695, 173.240, 173.340, 175.105, 176.180, 176.200, 176.210, 177.1200, 177.2800, 178.1010, 178.3910, 73.1, 73.1001, 73.30, 73.315, 73.345, 73.615

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

**Chemicals Known to the State of California to Cause Cancer:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

**Chemicals Known to the State of California to Cause Reproductive Toxicity:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Isopropyl Alcohol	67-63-0	Not Listed	Not Listed	Not Listed	Not Listed

**CERCLA/SARA**

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Isopropyl Alcohol	67-63-0	None	None	None	None	1.0 % de minimis concentration

**U.S. TSCA**

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Isopropyl Alcohol	67-63-0	Not Applicable	Not Applicable

**Canada**

**WHMIS 2015 - GHS Classifications**

WHMIS 2015 Hazard Classification Information:

Component  
Isopropyl Alcohol  
67-63-0 ( 100 )

WHMIS 2015 Hazard Classification  
Flammable liquids - Category 2: H225 Highly flammable liquid and vapour.; Serious Eye Damage/Eye Irritation - Category 2: H319 Causes serious eye irritation. (70% aqueous solution)

**Canada Hazardous Products Regulation** This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

**WHMIS 1988 Hazard Class**

B2 Flammable liquid  
D2B Toxic materials

**Components**  
Isopropyl Alcohol

WHMIS 1988  
B2,D2B including 70%

**Canada Controlled Products Regulation:**

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
------------	------------------------------------

**Product code:** HP692

**Product name:** ISOPROPYL ALCOHOL, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE

**13 / 15**

Isopropyl Alcohol	1 %
-------------------	-----

### Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Isopropyl Alcohol	67-63-0	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Isopropyl Alcohol	67-63-0	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Isopropyl Alcohol	67-63-0	Not listed

### EU Classification

#### EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Isopropyl Alcohol	67-63-0	Flammable liquids - Flam. Liq. 2: H225 Highly flammable liquid and vapour.; Serious Eye Damage/Eye Irritation - Eye Irrit. 2: H319 Causes serious eye irritation.; Specific target organ toxicity - Single exposure - STOT SE 3: H336 May cause drowsiness or dizziness.603-117-00-0

#### EU - CLP (1272/2008)

#### R-phrase(s)

R11 - Highly flammable.

R36 - Irritating to eyes.

R67 - Vapors may cause drowsiness and dizziness.

#### S-phrase(s)

S 7 - Keep container tightly closed.

S16 - Keep away from sources of ignition - No smoking.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S24/25 - Avoid contact with skin and eyes.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Isopropyl Alcohol	67-63-0	F; R11 Xi; R36 R67	No information	S2 S7 S16 S24/25 S26

The product is classified in accordance with Annex VI to Directive 67/548/EEC

#### Indication of danger:

F - Highly flammable.

Xi - Irritant.



## 16. OTHER INFORMATION

**Preparation Date:** 1/20/2014  
**Revision Date:** 1/16/2018  
**Prepared by:** Sonia Owen

**Disclaimer:** All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**