

SAFETY DATA SHEET

Preparation Date: 1/21/2014

Revision Date: 1/16/2018

Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: IS120
Product Name: ISOPROPYL ALCOHOL, 70 PERCENT, USP

Other means of identification

Synonyms: 2-Propanol, 70%
 Isopropanol, 70%
 Isopropyl Rubbing Alcohol
 Alcool isopropylique, 70% (French)
 Alcohol isopropílico, 70% (Spanish)
CAS #: Mixture
RTECS # NT8050000 (Isopropyl alcohol)
 ZC0110000 (Water)
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Antiseptic. Disinfectant.
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)

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
Causes mild skin irritation

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Wear eye/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.
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	70
Water	7732-18-5	30

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
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Indication of any immediate medical attention and special treatment needed

Notes to Physician:	Treat symptomatically.
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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 (CO ₂). Dry chemical. Alcohol-resistant foam. Water spray.
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Unsuitable Extinguishing Media:	Do not use a solid (straight) water stream as it may scatter and spread fire.
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Specific hazards arising from the chemical

Hazardous Combustion Products:	Carbon monoxide; Carbon dioxide
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Hazardous Combustion Products:

No information available.

Specific hazards:

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 ³ TWA	400 ppm TWA 980 mg/m ³ TWA 500 ppm STEL 1225 mg/m ³ STEL	400 ppm STEL 200 ppm TWA	None
Water	7732-18-5	None	None	None	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 ³ TWA 400 ppm STEL 984 mg/m ³ STEL	200 ppm TWA 400 ppm STEL	400 ppm STEL	None
Water	7732-18-5	None	None	None	None

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Isopropyl Alcohol	67-63-0	500 ppm STEL 1230 mg/m ³ STEL 400 ppm TWA 983 mg/m ³ TWA	400 ppm TWA 980 mg/m ³ TWA 500 ppm STEL 1225 mg/m ³ STEL
Water	7732-18-5	None	None

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

Physical state: Liquid	Appearance: No information available.	Color: Clear. Colorless.
Odor: Pleasant. Odor resembling that of a mixture of ethanol and acetone.	Taste No information available.	Formula: No information available
Molecular/Formula weight: No information available	Flammability: No information available	Flash point (°C): 18.3
Flashpoint (°C/°F): 18.3-24 °C/64.9-75°F	Flash Point Tested according to: Closed cup	Autoignition Temperature (°C/°F): 399 °C/750.2 °F (Isopropyl Alcohol)
Lower Explosion Limit (%): 2% (Isopropyl Alcohol)	Upper Explosion Limit (%): 12.7 (Isopropyl Alcohol)	Melting point/range(°C/°F): < -40 °C/-40°F
Decomposition temperature(°C/°F): No information available	Boiling point/range(°C/°F): 78.3 °C/173 °F	Bulk density: No information available
Density (g/cm3): No information available	Specific gravity: 0.872-0.883	pH: No information available
Vapor pressure @ 20°C (kPa): 3.066	Evaporation rate: 2.8 (1 = Butyl Acetate)	Vapor density: No information available
VOC content (g/L): 563-615	Odor threshold (ppm): 22 ppm (Isopropyl Alcohol)	Partition coefficient (n-octanol/water): -0.16
Viscosity: No information available	Miscibility: Miscible with water Miscible with alcohol	Solubility: Completely soluble

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 dioxgenyl tetrafluoborate, chromium trioxide, potassium tert-butoxide
 It reacts violently with hydrogen-palladium combination, oleum, aluminum triisopropoxide, COCl₂
 Ignition occurs when potassium tert-butoxide reacts with n-propanol

Chemical stability

Stability: Stable under recommended storage conditions.

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

The following values are calculated based on chapter 3.1 of the GHS document
 ATEmix (oral) 6289 mg/kg

Product code: IS120

Product name: ISOPROPYL
 ALCOHOL, 70 PERCENT, USP

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ATEmix (dermal) 18382 mg/kg
 ATEmix (inhalation-vapor) 103.7 mg/l
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 LC50information = LD50 oral 6410 mg/kg [Rabbit]

Water	
CAS-No.	7732-18-5

LD50/oral/rat = > 90 mL/kg Oral LD50 Rat
 LD50/oral/mouse = No information available
 LD50/dermal/rabbit = No information available
 LD50/dermal/rat = No information available
 LC50/inhalation/rat = No information available
 LC50/inhalation/mouse = No information available
 Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =
 VALUE- Acute Tox Oral = No information available

LD50/oral/mouse =
 Value - Acute Tox Oral = No information available

LD50/dermal/rabbit
 VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat
 VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat
 VALUE-Vapor = No information available
 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 = No information available

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. Aspiration into the lungs can cause chemical pneumonitis. Aspiration may lead to pulmonary edema. 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 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 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 ingestion may affect the liver. 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, pigmented 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
Water	7732-18-5	Not listed	Not listed	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)

Reproductive toxicity

Suspected of damaging fertility or the unborn child

Reproductive Effects:

No information available

Developmental Effects:

No information available

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.

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

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
Water	7732-18-5	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No:

UN1219

Proper Shipping Name:

Isopropanol, solution

Product code: IS120

Product name: ISOPROPYL
ALCOHOL, 70 PERCENT, USP

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 (Solution) ,3,,PG II

TDG (Canada)

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

ADR

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

IMO / IMDG

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

ICAO

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

IATA

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

Product code: IS120

Product name: ISOPROPYL
ALCOHOL, 70 PERCENT, USP

ERG Code: 3L
Special Provisions No information available
Description: UN1219,Isopropanol,3,PG II,Solution

15. REGULATORY INFORMATION

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	PresentACTIVE	Present KE-29363	Present	Present (2)-207	Present	Present	Present 200-661-7
<i>Water</i>	7732-18-5	Present	Present KE-35400	Present	Not present	Present	Present	Present 231-791-2

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

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:
<i>Isopropyl Alcohol</i>	67-63-0	Not Listed	Not Listed	Not Listed	Not Listed
<i>Water</i>	7732-18-5	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
<i>Isopropyl Alcohol</i>	67-63-0	None	None	None	None	1.0 % de minimis concentration
<i>Water</i>	7732-18-5	None	None	None	None	None

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
<i>Isopropyl Alcohol</i>	67-63-0	Not Applicable	Not Applicable
<i>Water</i>	7732-18-5	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification
Information:

Component
Isopropyl Alcohol
67-63-0 (70)

Water
7732-18-5 (30)

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)
Not a dangerous product according to HPR classification criteria

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
Water

WHMIS 1988
B2,D2B including 70%
Uncontrolled product according to WHMIS classification criteria

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 -
Isopropyl Alcohol	1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Isopropyl Alcohol	67-63-0	Present	Not Listed
Water	7732-18-5	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Isopropyl Alcohol	67-63-0	Not listed
Water	7732-18-5	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Isopropyl Alcohol	67-63-0	Not listed
Water	7732-18-5	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
Water	7732-18-5	

EU - CLP (1272/2008)

Product code: IS120

Product name: ISOPROPYL
ALCOHOL, 70 PERCENT, USP

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R-phrases(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
Water	7732-18-5		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC**Indication of danger:**

F - Highly flammable.

Xi - Irritant.

Xi**F****16. OTHER INFORMATION**

Preparation Date: 1/21/2014
Revision Date: 1/16/2018
Prepared by: Sonia Owen

Disclaimer:

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End of Safety Data Sheet