Isopropyl Alcohol-70%

1. Product and Company Identification

Product Name	Isopropyl Alcohol-70%
Synonyms	Isopropanol, 2-Propanol, Dimethylcarbinol
SDS Number	D26679
Company Identification	Wausau Chemical Corporation 2001 North River Drive Wausau, WI 54403
Telephone	Wausau Chemical Corporation – 715.842.2285 CHEMTREC – 800.424.9300

NFPA diamond and HMIS ratings for this product may be found in section 16 of this Safety Data Sheet.

2. Hazards Identification

Form	Liquid
Color	Clear, colorless
Odor	Slight alcohol odor
OSHA/HCS Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200): flammable liquid, target organ effect, irritant.
Target Organs	Nerves, liver, kidney, cardiovascular system, gastrointestinal tract
GHS Classification	Flammable liquids (Category 2) Eye irritation (Category 2A) Specific target organ toxicity – single exposure (Category 3), central nervous system
Pictogram	
Signal Word	Danger

Hazard Statement(s)

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

Precautionary Statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
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/vapor/spray.
P264	Wash skin 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): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position 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 or doctor/ physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
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 to an approved waste disposal plant.

Potential Acute Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. Can cause skin irritation.
Eyes	Causes eye irritation.

See section 11 for more detailed information on health effects and symptoms

3. Composition/Information on Ingredients

Ingredient Name	CAS Number	WT %
Isopropyl Alcohol	67-63-0	64.8 (70% Vol.)
Deionized Water	7732-18-5	35.2 (30% Vol.)

4. First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
Inhalation	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Protection of First Aid Personnel	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If it is suspected that dust, vapor, mist, or gas are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

5. Fire-fighting Measures

Flammability of the Product	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Flash Point (Method)	54 °F (12 °C) – closed cup
Auto Ignition Temperature	Not determined

Extinguishing Media

Suitable	Water spray, dry chemical, carbon dioxide, or alcohol resistant foam.
Not Suitable	No data available.
Special Fire-fighting Procedures & Hazards	Vapors may ignite and cause flashback. Wear chemical protective clothing and positive pressure self-contained breathing apparatus. Approach upwind to avoid toxic vapors.
Unusual Fire & Explosion Hazards	Container may explode in heat of fire. Do not allow runoff to sewer, it may create fire or explosion.

6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Spill	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing. Place in container for disposal according to local regulations.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition – No Smoking. Take measures to prevent the build-up of electrostatic charge.
Storage	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure Controls/Personal Protection

Ingredient Name	**ACGIH TLV**	**OSHA PEL**
Isopropyl Alcohol	200 ppm - TWA	400 ppm - TWA

Engineering Measures	Use mechanical ventilation such as dilution and local exhaust. Supply ample air replacement.
Hygiene Measures	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
Respiratory	If airborne concentrations are above the applicable exposure limits, use NIOSH-approved respiratory protection. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134).
Eyes and Face	Wear safety glasses with side shields (or goggles) and a face shield.
Skin	Wear chemically impervious gloves, made of any waterproof material. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical and Chemical Properties

Appearance	Clear, colorless liquid
Odor	Slight alcohol odor
pH	Not applicable
Water Solubility	Infinite
Vapor Density (air = 1)	Not determined
Evaporation rate (butyl acetate = 1)	Not determined
Boiling Point	Not determined
Melting Point (°F)	Not determined
Specific Gravity (@ 68 °F)	0.850
Vapor Pressure	Not determined
Volatile Organic (VOC) Content	70%

10. Stability and Reactivity

Stable:	X	Unstable:		Hazardous Polymerization:	Occurs:	Does Not Occur:	X

Conditions to Avoid	Excessive heat and ignition sources.
Materials to Avoid	Peroxides.
Decomposition Products	Acid smoke and irritating fumes. Carbon monoxide or carbon dioxide can evolve.

11. Toxicological Information

Eye	May cause eye irritation.
Isopropyl Alcohol	Eye irritation – rabbit – 24 hr.
Dermal	May be harmful if absorbed through skin. Can cause skin irritation.
Isopropyl Alcohol	LD50 (rabbit) – 12,800 mg/kg Mild skin irritation – rabbit
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.
Isopropyl Alcohol	LC50 (rat) – 16,000 ppm– 8 hr.
Oral	May be harmful if swallowed.
Isopropyl Alcohol	LD50 (rat) – 5045 mg/kg
Chronic Effects	
Carcinogenicity	IARC: 3 – Group 3: Not classifiable as to its carcinogenicity to humans (2-Propanol). No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA or NTP.
Other Adverse Effects	May cause drowsiness or dizziness. Central nervous system depression, prolonged or repeated exposure can cause: nausea, headache, vomiting, and/or narcosis. Overexposure may cause mild, reversible liver effects.

12. Ecological Information

Biodegradability	No data available.
Ecotoxicity	Toxicity to fish: LC50 – Pimephales promelas (fathead minnow) – 9640.00 mg/l – 96 hr. Toxicity to algae: EC50 – Desmodesmus subspicatus (green algae) - > 2000.00 mg/l – 72 hr. Toxicity to aquatic invertebrates: EC50 – Daphnia magna (water flea) – 5102.00 mg/l – 24 hr.

13. Disposal Considerations

Waste Disposal	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
RCRA	Product not listed as a hazardous waste.

14. Transportation

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

US DOT 49 CFR 172.101	**Non-bulk Shipments (Drums/Totes)**	**Bulk Shipments (Tank Trucks/Rail Cars)**
Proper Shipping Name	Isopropanol	Same
Hazard Class	3	Same
Identification Number	UN1219	Same
Packing Group	II	Same
Reportable Quantities	NA	Same
Placards/Labels	Flammable	Same

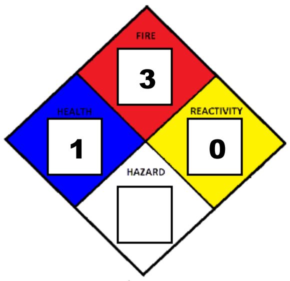
15. Regulatory Information

CERCLA / SARA Emergency Reporting	A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements. Consult counsel for further guidance on your responsibilities under these laws. CERCLA reporting quantity: **Not applicable**
SARA Title III Section 313	The following components are subject to reporting levels established by SARA Title III, Section 313: **No components listed**
Clean Water Act (CWA) Section 311	The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA. **No components listed**
TSCA – Toxic Substances Control Act	All components of this product are listed as “Active” on the Toxic Substances Control Act (TSCA) 8(b) Inventory.
RCRA – Resource Conservation and Recovery Act	The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA’s four tests for determining hazardous wastes. Note: If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal. **No components listed**
State Regulations	
Massachusetts	**RTK Substances:** The following components are listed: 2-Propanol (CAS# 67-63-0)
New Jersey	**RTK Substances:** The following components are listed: 2-Propanol (CAS# 67-63-0)
Pennsylvania	**RTK Substances:** The following components are listed: 2-Propanol (CAS# 67-63-0)
California	Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Date of Issue	8/6/2013 | 4/30/2015-Updated GHS classification and associated statements | 2/13/2019-accuracy review (ST) | 10/14/2019 – updated TSCA statement, section 15 (RP)

NFPA



HMIS

HEALTH	**2**
FLAMMABILITY	**3**
PHYSICAL HAZARD	**0**
PPE	

Caution: NFPA and HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them.

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

Notice to Reader

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