

# SAFETY DATA SHEET

## Section 1 - Chemical & Product Identification

Product Name: Isopropyl Alcohol 99%  
Product Codes: 10125  
Product Class:  
Emergency Number: 1-800-424-9300  
Telephone Number: 1-763-422-0402

Date Prepared: 08-08-2017

Manufacturers Name & Address:  
NA Trading and Technology  
9216 Grand Ave. S.  
Minneapolis, MN, 55420

## Section 2 – Hazard Identification

**Emergency Overview:** Highly flammable liquid and vapor.

GHS Classification

Eye Irritant 2, Flammable Liquid 2, STOT SE 3 NE

Signal Word

DANGER



Primary Hazards:

### GHS HAZARD STATEMENTS

Eye Irritant, category 2	H319	Causes serious eye irritation.
Flammable liquid, category 2	H225	Highly flammable liquid and vapor.
STOT, single exposure, category 3	H336	May cause drowsiness or dizziness.

### GHS PRECAUTIONARY STATEMENTS

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only no-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 THE EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present. 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 appropriate method 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 local/regional/national/international regulations.

## Section 3 – Ingredient Information

Hazardous Components (Specific Chemical Identity; Common Name(s))

Component	CAS No	%	Exposure limits
2-propanol	67-63-0	75-100	H225-319-336

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## Section 4 – First Aid Measures

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<b>Inhalation:</b>	Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Give immediate medical attention. To prevent aspiration, keep head below knees.
<b>Ingestion:</b>	Do not induce vomiting. Do not give liquids. Obtain emergency medical attention.
<b>Skin Contact:</b>	Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.
<b>Eye Contact:</b>	Remove contact lenses if worn. Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

## Section 5 – Fire Fighting Measures

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<b>Flash Point:</b>	
<b>Unusual fire / Explosion Hazards</b>	Vapors/dust may cause flash fire or explosion. Highly flammable liquid and vapors. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.
<b>Fire Extinguishing Media:</b>	Carbon dioxide, Dry Chemical, Foam, Water Fog
<b>Special Information:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Water spray to cool containers or protect personnel. Use with caution. Avoid use of solid water streams. Use water spray to knock down vapors.

## Section 6 – Accidental Release Measures

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	Ventilate area of leak or spill. Wear appropriate protective equipment as specified in Section 8.
<b>Spills:</b>	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Use only non-combustible materials for clean-up. Recover by pumping (use an explosion-proof or hand pump). Use clean, non-sparking tools to collect absorbed materials. Eliminate all ignition sources. Prevent additional discharge of materials if able to do so safely. If leak or spill has not ignited, use water spray to disperse the vapors. Do not touch or walk through spilled material. Stay upwind of spill. Ventilate spill area. Collect spilled materials for disposal. Wear appropriate personal protective equipment. See Exposure Controls section). A vapor suppressing foam may be used to reduce vapors.

## Section 7 - Handling & Storage

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Handling: Use only in a well ventilated area. Follow all label precautions even after containers are emptied because they may retain product residues. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor, fumes or mist.

Storage: Keep away from heat, sparks, and flame. Keep container closed when not in use. Protect from direct sunlight. Store containers in a cool, well ventilated place.

## Section 8 – Exposure Control/Personal Protection

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### Ingredients with Occupational Exposure Limits

<u>Chem Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL - CEILING</u>
2-propanol	200 ppm	400 ppm	400 ppm	N.D.

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**Respiratory Protection:** NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

**Skin Protection:** Wear protective gear as needed – apron, suit, boots. Wear impervious protective gloves. Wear long sleeves when contact is likely to occur.

**Eye Protection:** Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

**Other Protective Equipment:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Hygienic Practices:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Avoid breathing vapors. Do not eat, drink, or smoke in areas where this material is used.

## Section 9 – Physical/Chemical Properties

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**Appearance:**  
Clear colorless liquid

**Boiling Point:**  
180° - 181° F.

**Odor:**  
Typical

**Melting Point:**

**Solubility:**  
Soluble

**Vapor Density (Air = 1)**  
2.08

**Specific Gravity:**

**Vapor Pressure (mm Hg)**  
32.25 mm Hg @ 20C

**pH:**  
N.D.

**Evaporation Rate (H<sub>2</sub>O=1)**  
2.88 (n-Bu Acetate=1)  
**% VOC**  
N.D.

## Section 10 – Stability & Reactivity

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**Stability:** No Information.

**Hazardous Decomposition Products:** Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed.

**Hazardous Polymerizations:** No information.

**Incompatibilities:** Prevent contact with strong oxidizing agents. Avoid contact with caustics. Prevent contact with halogens. Avoid contact with amines. Prevent contact with inorganic acids. Prevent contact with aldehydes. Avoid contact with chlorinated compounds.

**Conditions to Avoid:** Avoid impact, friction, heat, sparks, flame, and source of ignition.

## Section 11 – Toxicological Information

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**Inhalation:** Vapors can cause irritation of the respiratory tract. High concentration can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression). May cause dizziness and drowsiness. May cause central nervous system depression.

**Skin:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). May cause skin irritation.

**Eye:** Causes serious irritation to eyes.

**Ingestion:** Irritating to mouth, throat, and stomach. May cause central nervous depression. May be fatal if swallowed and enters airway.

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**Chronic Hazards:** Vapors irritating to eyes and respiratory tract. Overexposure may cause nervous system damage. A component of this product is a potential hazard to the fetus. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema. Exposure may damage liver and kidneys.

The acute effects of this product have not been tested. Data on individual components are tabulated:

CAS No.	Name according to EEC	Oral LD50, mg/kg	Dermal LD50, mg.kg	Vapor LC50, mg/kg
67-63-0	2-propanol	4396	12870	46.6

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## Section 12 – Ecological Information

**Ecological Fate:** No information.  
**Ecological Toxicity:** No information.

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## Section 13 – Disposal Information

Always dispose of waste in accordance with all local, state, and federal regulations.

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## Section 14 – Transportation Information

Refer to bill of lading or container label for DOT and other transportation hazard classification, if any.

**DOT Proper Shipping Name:** Isopropanol  
**DOT Hazard Class:** 3  
**DOT UN/NA Number:** UNI1219

**Packing Group:** II  
**Hazard Sub Class:** No information  
**Resp. Guide Page:** 129

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## Section 15 – Regulatory Information

NFPA Hazard Identification System Ratings      Health 2      Fire 4      Reactivity 2

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## Section 16 – Preparation Data

Prepared By: Mitchell Boster  
Preparation Date: 08-08-2017  
Revision Notes: Converted to SDS format

### Disclaimer:

Please be advised that it is your responsibility to inform your employees of the hazards of this substance, to advise them of what these properties mean and be sure they understand exposure information. The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. No warranty or guaranty, express or implied, is made regarding performance, stability, or otherwise. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage. Other factors may require additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, the handling and use remains the responsibility of the customer. No suggestions are intended as, and should not be construed as, a recommendation to infringe on any existing patents or to violate any Federal, State, or local laws.