

1. Identification:**Product Identity:** Isopropyl Alcohol (IPA, Isopropanol)**Recommended Use:** Alcohol**Producer / Distributor**Dalco
300 5th Ave. NW
New Brighton, MN 55112**Telephone Number for Information:** 800-950-1975**Emergency Telephone Number:** 800-278-6176**2. Hazard Identification:****Classification:****Health Class**Acute Toxicity Category 5
Mild Skin Irritation Category 3
Eye Irritant Category 2
Specific Target Organ Toxicity Category 2**Physical Class**

Flammable Liquid Category 2

Environment Class

Acute Aquatic Toxicity Category 3

Label**Symbols****Signal Word** Danger**Hazard Statements:**May be harmful if swallowed.
Causes mild skin irritation and eye irritation.
May cause damage to organs (central nervous system, respiratory tract, kidneys, liver).
Highly flammable liquid and vapor.**Precautionary Statements:**Do not breathe dust/vapors.
Do not eat, drink, or smoke when using this product.
Use explosion-proof electrical/ventilating equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/eye protection.
Wash hands thoroughly after handling.
Call a doctor if you feel unwell
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 attention.
IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
If skin irritation occurs: Get medical attention.
If exposed or concerned: Get medical attention.
In case of fire: Use alcohol foam, CO2, dry chemical, water fog, or vaporizing liquid to extinguish.
Keep container tightly closed.
Keep away from heat. No smoking.
Store locked up, in a well-ventilated place. Keep cool.
Dispose of contents in accordance with local regulations.**3. Composition/Information on Ingredients**

Ingredient	CAS Number	Percent by Weight
Isopropyl Alcohol	67-63-0	99 - 100

4. First-Aid Measures:**Ingestion:** If Swallowed Call a Physician Immediately**Eye Contact:** Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention.**Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.**Inhalation:** Move to fresh air.**5. Fire Fighting Measures:****Suitable Extinguishing Media:** Alcohol Foam - CO2 - Dry Chemical - Water Fog - Vaporizing Liquid**Special Fire Fighting Procedures:** Water hose stream may spread fire, Use water spray to keep containers cool**Unusual Fire and Explosion Hazards** Vapors are heavier than air and may travel over distances to ignition sources(heat, flames, sparks, pilot lights etc.) where ignition may occur ground all equipment

6. Accidental Release Measures:

Extinguish all sources of possible ignition (flames, sparks, pilot lights, etc.) and provide ventilation. For large spills, dike and contain spill with inert material (sand, earth, etc.). Collect spill with absorbent material (example; floor-dry). For small spills, wipe up spill with mop or rag. Dispose of or treat mop or rag properly to avoid fire.

7. Handling and Storage:

Handling: Keep out of reach of children

Storage: Do not store near heat sparks or flame.

8. Exposure Controls / Personal Protection:**Exposure Limits:**

Ingredients	CAS Number	Osha PEL	ACGIH TLV
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm

Exposure Controls:

Engineering Controls: Ventilate to maintain vapor levels below exposure limits.

Personal Protective Equipment:

Eye Protection: Approved Safety Goggles or Glasses

Skin Protection: Chemical Resistant Rubber Gloves

Respiratory Protection: Not required, Avoid breathing spray mist

9. Physical and Chemical Properties:

Physical State: Liquid

Appearance: Clear

Odor: Solvent

Solubility: Complete

Evaporation Rate: 7.7

Vapor Pressure (MM HG): 33 @ 68F

Vapor Density (Air = 1): 2.07

pH: Not Applicable

Specific Gravity (H₂O = 1): 0.789

Flammability: Flammable

Flash Point: 55°F (11°C)

Boiling Point: 180°F (82°C)

%volatile: > 99%

10. Stability and Reactivity:

Chemical Stability: Stable

Possibility of Hazardous Reactions: None are known

Incompatibility (Materials to Avoid): Oxidizing Material, Anhydride, Isocyanate Monomer and Organometallic

Hazardous Decomposition or By-products: None

Hazardous Polymerization: Will not Occur

Conditions to Avoid: None are known

11. Toxicological Information:

Signs and Symptoms of Overexposure: May cause headaches or narcotic effects, Irritation to Skin and Eyes

Acute Effects:

Eye Contact: Causes eye irritation on contact

Skin Contact: Causes mild irritation on prolonged or repeated contact

Inhalation: May be harmful

Ingestion: May be harmful if swallowed

Target Organ Effects: Skin, Eyes, Respiratory Tract, Central Nervous System, Kidneys and Liver

Chronic Effects: May cause damage to organs (central nervous system, respiratory tract, kidneys, liver).

Acute Toxicity Values:

Oral LD₅₀ = 2000 - 5000 mg/kg

Dermal LD₅₀ = 2000 - 5000 mg/kg

Inhalation (Vapor) LC₅₀ = 20 - 50 mg/l

12. Ecological Information:

Persistence and Degradability: Not Available

Bio Accumulative Potential: Not Available

Mobility in Soil: Not Available

Aquatic Toxicity: Harmful to Aquatic Life

13. Disposal Considerations:

Material that cannot be used during normal use should be disposed of in accordance with all applicable local, state and federal regulations. Waste from normal cleaning procedures may be disposed of in a sanitary sewer depending on the materials and/or contaminants being cleaned as well as local, state and federal sewer regulations.

14. Transportation Information:

UN Number: UN1219
Shipping Name: Isopropanol
Transport Hazard Class: 3
Packing Group: III
Marine Pollutant: NO

15. Regulatory Information:

TSCA Status: All ingredients listed

Clean Water Act: None of the chemicals in this product are listed under the CWA

Clean Air Act: None of the chemicals in this product are listed under the CAA

CERCLA Reportable Quantity: None

SARA Title III Information:

Section 302 Extremely Hazardous Chemicals: None Listed

Section 311 / 312 Hazard Category: Immediate Health, Fire

Section 313 Toxic Chemicals: Isopropyl Alcohol (67-63-0)

State Regulations: Notice State of California; Warning; This product may contain chemicals known to the state of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.

International Regulations: WHMIS Controlled Product Hazard Class: B2, D2B

16. Other Information:

Prepared By: Ron Camp
Telephone Number: 651-481-1900
Revision Date: 6/7/2013
Supersedes: 1/1/2010

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Health	1
Flammability	3
Physical hazards	0