



PRO NAIL ISOPROPANOL ALCOHOL

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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Product Name: PRONAIL ISOPROPANOL ALCOHOL

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: Liquid, colourless

DANGER!! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY CAUSE RESPIRATORY TRACT IRRITATION. AVOID PROLONGED DIRECT INHALATION, MAY BE HARMFUL. MAY CAUSE EYE IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE DRY SKIN AND CAUSE IRRITATION AND BURNS.

Potential Health Effects

Exposure Routes

Inhalation, skin absorption, skin contact, eye contact, ingestion

Eye Contact

This product may produce eye discomfort and is capable of causing temporarily impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eyes. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Product may be moderately irritating to the eyes. Symptoms of over exposure may include redness, itching, irritation, and watering.

Skin Contact

This product may cause mild skin irritation especially after prolonged or repeated contact. Product may also cause allergic reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.

Ingestion

If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.

Inhalation

Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea). Odor may give some warning of exposure, but odor fatigue may occur.

PRO NAIL ISOPROPANOL ALCOHOL**Symptoms**

Signs and symptoms of overexposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering; the product can cause allergic skin reaction (e.g., drowsiness, dizziness, headaches, nausea). Odor may give some warning of exposure, but odor fatigue may occur.

Acute Health Effect

Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.

Chronic Health Effect

The material may accentuate any pre-existing dermatitis condition. None known.

Target Organs

Eyes, Skin, and Respiratory System.

Carcinogenicity

Based on available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer (IRAC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS- No.	Concentration
Isopropanol Alcohol	67-63-0	<=100%

4. FIRST AID MEASURES**Eyes**

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek medical attention immediately.

Skin

If redness, dryness or other signs of irritation to the skin develop, wash affected area with plenty of warm water and soap. Remove all contaminated clothing, including shoes and wash thoroughly before reuse. If irritation continues, call a physician.

Ingestion

If product is ingested, do not induce vomiting. Drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer plenty of water or milk. Never give water or milk to an unconscious person. Contact the nearest poison control center or local emergency number. Provide an estimate of the time and amount of substance that was swallowed.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.



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Note to physician

HAZARD: This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity. (see section -2 ingestion) when deciding whether to induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry Chemicals, alcohol resistant foam, Carbon dioxide (CO₂)

Hazardous combustion products

Carbon dioxide and carbon monoxide

Precautions for fire-fighting

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition source at locations near the material handling point. Never use welding or cutting torch on or near material. Wear full firefighting turnout gear (full Bunker gear), and respiratory protection (SCBA). Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

NFPA Flammable and Combustible Liquids Classification

Flammable liquid class IB

6. ACCIDENTAL RELEASE MEASURES

Spills

Before cleaning any spill or leave, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., <1gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state, and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For spills ≥ 1 gallon, deny entry to all unprotected individuals. Barrier and contain spill with inert material (e.g., sand or earth). Transfer product to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

Work & Hygiene Practices

Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well-ventilated location. Wash exposed skin thoroughly with plenty of soap &

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water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink, or smoke while handling this product.

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapors liquids, and or/solids), all hazard precautions given the data sheet must be observed. Use proper grounding during product transfer as described in NFPA77. Keep containers securely closed when not in use. Open slowly on a level stable surface. Do not store near high heat or open flames. Keep away from children at all times!

Storage

Keep container closed when not in use. Do not store near high heat or open flames. Keep away from children at all times!

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation & Engineering Controls

Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriated contamination equipment is available (e.g., skin, safety shower, eye-wash station).

Exposure Control

Provide sufficient ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.

Skin and body protection

None needed under normal use. If anticipated that prolonged & repeated skin contact will occur during use of product, wear latex or rubber gloves for routine industrial use.

Respiratory Protection

None needed under normal use. If necessary, use only respiratory protection that is authorized per U.S OSHA's requirements in 29 CFR §1910.134, or applicable U.S State regulations, or the appropriate standards of Canada, its provinces, E.C member states, or Australia.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Form	liquid
Colour	colourless
Odour	pleasant
Boiling point/boiling range	82.50°C @ 101.32 kPa
Melting point/range	-127.3°F/-88.5°C
pH	No data
Flash point	12.00°C Closed cup
Evaporation rate	7.70 (Ethyl Ether)
Lower explosion limit/Upper explosion limit	2.5% (V)/ 12%(V)
Vapour pressure	6.052 kPa @ 25°C

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Vapour Density	2.1 (Air=1)
Density	0.789 g/cm ³ @ 60°F/ 16°C
Solubility	soluble in water
Partition coefficient: n-octanol/water	No data
Log Pow	0.05
Auto ignition temperature	750°F / 399°C

10. STABILITY AND REACTIVITY**Stability**

Stable under ambient conditions when stored properly.

Conditions to avoid

Heat, flames and sparks

Incompatible products

Avoid contact with acids, aldehydes, alkalis, amines, ethylene oxide, halogenated hydrocarbons, halogens, isocyanates, strong acids, strong oxidizing agents, Do not use with aluminum equipment at temperatures above 120°F

Hazardous decomposition products

If exposed to extremely high temperatures, products of thermal decomposition may include irritation vapors and toxic gases (e.g., oxides of carbon & nitrogen)

Thermal decomposition

No data

11. TOXICOLOGICAL INFORMATION**Acute Effects****A: General Product information**

The product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product which are found in the scientific literature. This data has not been presented in this document.

B: Component Analysis**Acute Toxicity**

See section 2

Chronic Toxicity

See section 2

Reproductive Toxicity: No reported to produce mutagenic effects on humans

Suspected Carcinogen: No

Mutagenicity: No reported to produce mutagenic effects on humans

Embryotoxicity: No reported to produce embryotoxicity effects on humans

Biological exposure Indices: NA

Physician Recommendations: Treat symptomatically

PRO NAIL ISOPROPANOL ALCOHOL**12. ECOLOGICAL INFORMATION****Environmental Stability**

This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds.

Effects on Plants & Animals

There is no specific data available for this product.

Effects on Aquatic Life

There is no specific data available for this product. Releases of large volumes may be harmful or fatal to overexposed aquatic life.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations.

Special Considerations

U.S. EPA Characteristic Waster: D001 (ignitability)

14. TRANSPORT INFORMATION**REGULATION****U.S. DOT-ROAD**

ID #: UN 1219

Proper Shipping Name: Isopropanol

Hazard Class: 3

Subsidiary Hazards: NA

Packing Group: II

Marine Pollutant/LTD.QTY: NA

U.S. DOT-RAIL

ID #: UN 1219

Proper Shipping Name: Isopropanol

Hazard Class: 3

Subsidiary Hazards: NA

Packing Group: II

Marine Pollutant/LTD.QTY: NA

U.S. DOT-INLAND WATERWAYS

ID #: UN 1219

Proper Shipping Name: Isopropanol

Hazard Class: 3

Subsidiary Hazards: NA

Packing Group: II

Marine Pollutant/LTD.QTY: NA

TRANSPORT CANADA-RAIL

ID #: UN 1219



REVISION DATE: 07/18/2011

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Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Hazards: NA
Packing Group: II
Marine Pollutant/LTD.QTY: NA

TRANSPORT CANADA-INLAND WATERWAYS

ID #: UN 1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Hazards: NA
Packing Group: II
Marine Pollutant/LTD.QTY: NA

INTERNATIONAL MARITIME DANGEROUS GOODS

ID #: UN 1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Hazards: NA
Packing Group: II
Marine Pollutant/LTD.QTY: NA

INTERNATIONAL AIR TRANSPORT ASSOCIATION-CARGO

ID #: UN 1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Hazards: NA
Packing Group: II
Marine Pollutant/LTD.QTY: NA

INTERNATIONAL AIR TRANSPORT ASSOCIATION-PASSENGER

ID #: UN 1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Hazards: NA
Packing Group: II
Marine Pollutant/LTD.QTY: NA

MEXICAN REGULATIONS FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

ID #: UN 1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Hazards: NA
Packing Group: II
Marine Pollutant/LTD.QTY: NA

15. REGULATORY INFORMATION

California Prop. 65

This product does not contain any chemicals known to the state of California to cause cancer, birth, or any other reproductive defects.

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SARA Hazard Classification

Fire Hazard

Acute Health Hazard

New Jersey RTK Label information

Isopropanol (67-63-0)

Pennsylvania RTK Label information

Isopropanol (67-63-0)

Notification Status

Australia Industrial Chemical (Notification and Assessment) Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA)	y (positive listing)
Domestic Substances List (DSL). (Can. Gaz. Part II, Vol.133)	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)
Japan. Kashin-Hou Law List	y (positive listing)
US. Toxic Substances Control Act	y (positive listing)
EU. EINECS	y (positive listing)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA	y (positive listing)
New Zealand	
Switzerland. Consolidated Inventory	y (positive listing)

Other Federal Requirements:

This product complies with the appropriate sections of the FDA's 21 CFR subchapter G (Cosmetics).

Other Canadian Regulations:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are listed on the Priorities Substance Lists. Class B2 Flammable Liquid.



	HMIS	NFPA
Health	1	1
Flammability	3	3
Physical Hazards	--	
Instability		0
Specific Hazard	--	--



REVISION DATE: 07/18/2011

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16. OTHER INFORMATION

Other information:

EXTREMELY FLAMMABLE! Keep away from heat or flame. Use only as directed. Avoid eye contact. If contact occurs, flush eyes with running water. Use only in a well-ventilated area. If redness or other signs of adverse reaction occur, discontinue use immediately. Keep container closed. Store in a cool place. **KEEP OUT OF REACH OF CHILDREN.**

Disclaimer:

CHEMCO CORP. believes that the information contained in this M.S.D.S. is correct as of this date. However, because the material may be used under conditions which CHEMCO CORP. has no control of or in ways we cannot anticipate, we give no warranty, expressed or implied, as to accuracy of the information and assume no responsibility for any damage to person, property or business arising from such use. Moreover, it is the responsibility of the purchaser or user of this material to ensure that is properly and safely used.