

Section 1. Product and Company Identification

Product Name: Iso-Wipe
Supplier: CSNRI | 621 Lockhaven Drive. Houston, TX 77073 | +1 281.590.8491
Emergency Phone Number: 800.424.9300 (CHEMTREC)
 +1 703.741.5970 (Outside the US)
Product Description: Pre-saturated wipes
Product Use: Intended to clean surfaces
Chemical Name or Synonym: N/A

Section 2. Hazards identification

Classification of the substance or mixture

Flammable liquid – Category 2
 Eye damage/ irritation – Category 2A
 STOT (SE) – Category 3

Label elements:



Signal word: Danger!

Hazard statements:

H225 Flammable liquid and vapor
 H319 Causes serious eye irritation
 H336 May cause drowsiness or dizziness

Precautionary Statement

P210 Keep away from heat/sparks/open flames. No smoking
 P280 Wash thoroughly after handling
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P305–P338+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Other information: N/A

Section 3. Composition/ Information on Ingredients

Substances: Not Applicable

Mixtures

Component	CAS #	Weight %
Isopropyl alcohol	67-63-0	70 %
Deionized water	7732-18-5	30 %

Section 4. First Aid Measures**Description of first-aid measures:**

Eye Contact: Check and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, lifting upper and lower eyelids; get medical attention if irritation persists

Skin Contact: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. If irritation persists get medical attention.

Ingestion: Do not induce vomiting. Give one to two cups of milk or water to drink. Do not give anything by mouth to an unconscious person, consult a physician. If vomiting occurs naturally have patient lean forward to reduce the risk of aspiration.

Inhalation: If breathing is stopped or labored give assisted respirations. Supplemental oxygen may be indicated. If heart has stopped, give cardiopulmonary resuscitation immediately. Move to fresh air.

Most important symptoms /effects, acute and delayed:

Eye contact: Eye contact with product or vapors may result in irritation, redness and blurred vision. May cause pain disproportionate to the level of irritation to eye tissues. Vapor may cause eye irritation experienced as mild discomfort and redness. May cause moderate corneal injury.

Inhalation: Inhalation of vapors, fumes or mists of the product may be irritating to the respiratory system. Excessive exposure (400 ppm) may cause eye, nose and throat irritation.

Skin contact: May cause skin irritation.

Ingestion: May cause irritation. Ingesting large amounts may cause injury. May cause central nervous system depression, nausea and vomiting.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable extinguishing media: Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical (Under Fire Conditions) Oxides of carbon, oxides of nitrogen and other organic substances maybe formed. Material burns with an invisible flame.

Special protective actions for fire-fighters: As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear. Vapors are heavier than air and may travel along the ground or maybe moved by ventilation to locations distant from the point of material handling or release.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Avoid breathing vapor, aerosol or mist. Avoid contact with skin, eyes and clothing.

Environmental precautions: Avoid run off into storm sewers, ditches, and waterways.

Methods and materials for containment and cleaning up: Spills are very unlikely because the wiper fabric has absorbed the liquid solvent solution. Remove all sources of ignition. Collect the wipes with a non-sparking tool and absorb or wipe any residual liquids. Place in a suitable container for proper disposal. Use appropriate protective apparel as described in Section 8. Avoid contact with skin and eyes.

Section 7. Handling and Storage

Precautions for safe handling: Use with adequate ventilation. Avoid breathing vapor and fumes. Use only in accordance with directions. To reduce potential for static discharge, bond and ground containers when transferring material.

Conditions for safe storage including any incompatibilities: Store in a cool, dry, well-ventilated area away from sources of heat, combustible materials, direct sunlight, and incompatible substances. Keep container tightly closed when not in use. Keep away from aldehydes, halogenated organics, halogens, strong acids, and strong oxidizers.

Section 8. Exposure Controls / Personal Protection

Exposure limits:

Component	Exposure Limits		
	ACGIH-TLV	NIOSH	OSHA-PELs
Isopropyl alcohol	TLV-TWA: 200 ppm TLV-STEL: 400 ppm	-	PEL-TWA: 400 ppm

Appropriate engineering controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Personal protective equipment:

Eye and face protection: Tightly fitting safety goggles. Wear a face shield also when splash Hazard exist.

Skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved. Wear appropriate protective gloves.

Respiratory protection: In case of inadequate ventilation wear respiratory protection. Use respirators when exposure to vapors from heated material.

Environmental exposure controls: Do not allow material to contaminate ground water system.

Section 9. Physical and Chemical Properties

Physical State:	Solid
Appearance:	Pre-saturated wipes.
Odour:	Alcohol-like
Odour threshold:	No data available
pH:	No applicable
Melting point range:	No data available
Boiling point/boiling range:	82 - 89°C (180 - 192 °F)
Flash Point:	23 °C (73 °F)
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	Lower: 2.0 % by volume Upper: 12.0 % by volume
Vapour pressure:	No data available
Vapour density:	43.0 hPa (32 mm Hg) @ 20°C (68°F)
Relative density:	No data available

Specific gravity:	0.872 @ 20°C (68°F)
Solubilities:	Insoluble in water
Partition coefficient (n-octanol/water):	No data available
Decomposition temperature:	No data available
Autoignition temperature:	399 °C (750 °F)
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Volatility:	100%

Section 10. Stability and Reactivity

Reactivity: Stable under normal temperatures and pressures.

Chemical stability: Stable under normal temperatures and pressures.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of storage and use.

Conditions to avoid: Keep away from heat, ignition sources and incompatible materials.

Incompatible materials: Aldehydes, halogenated organics, halogens, strong acids, strong oxidizers.

Hazardous decomposition products: Oxides of carbon, oxides of nitrogen and other organic substances maybe formed. Material burns with an invisible flame.

Section 11. Toxicological Information

Information on toxicological effects:

For Isopropyl alcohol:

Eye: Rabbit standardize test: 100 mg/24 hrs (RTECS)

Skin: Administration onto de skin – Rabbit Standard Draize test: 500 mg

Rabbit LD50: 12,800 mg/kg (RTECS) (details of toxic effects not reported other than lethal dose value)

Inhalation: Rat LC50: 16,000 ppm/8 hrs (details of toxic effects not reported other than lethal dose value)

Mouse LC50:53,000 mg/m³. Behavioral – General anesthetic lungs, thorax or respiration. (RTECS)

Rat LC50:72,600 mg/m³. Behavioral – General anesthetic lungs, thorax or respiration. (RTECS)

Ingestion: Oral – Rat LD50:5,045 mg/kg. Behavioral – Altered sleep time, including change in righting reflex.

Behavioral- Somnolence (general depressed activity).

Oral – Mouse LD: 3,600 mg/kg. Behavioral – Altered sleep time, including change in righting reflex.

Behavioral- Somnolence (general depressed activity).

Chronic Health Effects: No data available

Numerical measures of toxicity: No data available

Mutagenicity (Effects on genetic material): No data available

Reproductive toxicity: No data available

Tetratogenicity: No data available

Carcinogenic Categories: No data available

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Short term exposure: No specific data.

Long term exposure: No specific data

Section 12. Ecological Information

Toxicity: No information available for the product

For Isopropyl alcohol:

Ecotoxicity: LC50; Species: 1,400,000 ug/L for 48 hrs Crangon (common Shrimp)
LC50, 10,000,000 ug/L for 24 hrs Species: Daphnia magna (water flea)
LD50; > 5,000 mg/L for 24 hrs Species: Carassius auratus (goldfish)
LC50; 11,130 mg/l for 48 hrs Species: Pimephales promelas (fathead minnows)

Persistence and degradability: No information available

Bioaccumulative potential: Bioconcentration in aquatic organisms is low.

Mobility in soil: Isopropyl is expected to have very high mobility in soil.

Results of PBT and vPvB Assessment: No information available

Section 13. Disposal Considerations

Waste treatment methods: Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Uncleaned packages: Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of authorities with jurisdiction.

Section 14. Transport Information

DOT

Proper Shipping Name: Solids containing flammable liquid, n.o.s. (Isopropanol) (Limited Quantity)
UN Proper Shipping Name: UN3175
Transport hazard class: 4.1
Packing group: II

IMDG

Proper Shipping Name: Solids containing flammable liquid, n.o.s. (Isopropanol) (Limited Quantity)
UN Proper Shipping Name: UN3175
Transport hazard class: 4.1
Packing group: II

IATA

Proper Shipping Name: Solids containing flammable liquid, n.o.s. (Isopropanol) (Limited Quantity)
UN Proper Shipping Name: UN3175
Transport hazard class: 4.1
Packing group: II

Section 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Canada WHMIS: Listed

TSCA Inventory Status: Isopropyl alcohol is listed

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

Section 16. Other Information

HMIS Health Hazard: 1

HMIS Fire Hazard: 3

HMIS Reactivity: 0

Abbreviations and acronyms used:

CAS:	Chemical Abstracts Service
DOT:	US Department of Transportation
IATA:	International Air Transport Association
IMDG:	International Maritime Dangerous Goods
N/A:	Not Applicable
ND:	Not Determined
NIOSH:	<i>National Institute for Occupational Safety and Health</i>
OSHA:	Occupational Safety and Health Administration

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