

Safety Data Sheet
Iso-Wipe

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Iso-Wipe
Description: Pre-saturated wipes

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Intended to clean surfaces
Uses advised against: No information available

1.3. Details of the supplier of the safety data sheet

Supplier: NRI
3875 Fiscal Court Suite #100
Riviera Beach, FL 33404. USA.
1- 561 - 683 - 6992
E-mail address: europe@neptuneresearch.com

1.4. Emergency telephone number

Emergency telephone number: 1 800-535-5053

Section 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

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

2.2 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

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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.

2.3. Other information: N/A

Section 3. Composition/ Information on Ingredients

3.1. Substances: Not Applicable

3.2. Mixtures

Component	EC No	CAS #	Weight %	EU-GHS Substance Classification (CLP)	REACH Number
Isopropyl alcohol	200-661-7	67-63-0		Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	No data available
Deionized water	231-791-2	7732-18-5		Not Classified	No data available

Section 4. First Aid Measures

4.1. Description of first-aid measures

First aid measures for accidental

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.

4.2 Most important symptoms /effects, acute and delayed: No data available

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. Higher levels may cause incoordination, confusion, hypotension, hypothermia, circulatory, collapse, respiratory arrest and death may follow a longer duration and higher levels. In confined or poorly ventilated areas, vapors can readily accumulate and cause unconsciousness and death.

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Skin contact: May cause skin irritation. Repeated exposure may cause a burning sensation and dryness or cracking. Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Ingestion: May cause irritation. Ingesting large amounts may cause injury. May cause central nervous system depression, nausea and vomiting. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Over-exposure signs/symptoms: Overexposure may cause headaches and dizziness. Signs and symptoms of excessive exposure include facial flushing, low blood pressure, and irregular heartbeats.

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

Section 5. Fire Fighting Measures

5.1 Extinguishing media

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.

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters: 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

6.1 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.

6.1.2 For emergency responders: Use appropriate personal protective clothing if needed.

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

6.3. Methods and materials for containment and cleaning up

6.3.1 For containment: Spills are very unlikely because the wiper fabric has absorbed the liquid solvent solution

6.3.2 For cleaning up: 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.

6.3.3 Other Information: Clear spills immediately.

6.4 Reference to other sections: See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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Section 7. Handling and Storage

7.1 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.

7.2 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.

7.3 Specific end use(s)

Exposure scenario: No information available.

Other guidelines: No information available

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters:

Exposure limits:

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

8.2 Exposure controls

8.2.1 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.

8.2.2 Personal protective equipment

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

8.2.2.2 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. Consult glove manufacturer's data for permeability data. Preferred glove materials include: polyethylene, neoprene, chlorinated polyethylene, natural rubber (latex), polyvinyl chloride (PVC or vinyl), nitrile/butadiene rubber (nitrile or NBR), ethyl vinyl alcohol laminate (EVAL). Avoid gloves made of poly vinyl alcohol (PVA).

8.2.2.3 Respiratory protection: A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister maybe permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstances where air purifying respirators may

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not provide adequate protection.

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

Section 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State:	Solid	
Appearance:	Pre-saturated wipes.	
Odour:	Alcohol-like	
Odour threshold:	No data available	
Property	Values	Remarks-Method
pH:	No applicable	None known
Melting point range:	No data available	None known
Boiling point/boiling range:	82 - 89°C (180 - 192 °F)	None known
Flash Point:	23 °C (73 °F)	None known
Evaporation rate:	No data available	None known
Flammability (solid, gas):	No data available	None known
Upper/lower flammability or explosive limits:	Lower: 2.0 % by volume Upper: 12.0 % by volume	None known
Vapour pressure:	No data available	None known
Vapour density:	43.0 hPa (32 mm Hg) @ 20°C (68°F)	None known
Relative density:	No data available	None known
Specific gravity:	0.872 @ 20°C (68°F)	
Solubilities:	Insoluble in water	None known
Partition coefficient (n-octanol/water):	No data available	None known
Decomposition temperature:	No data available	None known
Autoignition temperature:	399 °C (750 °F)	
Viscosity:	No data available	None known
Explosive properties:	No data available	None known
Oxidizing properties:	No data available	None known

9.2 Other information:

Volatility: No data available

100%

Section 10. Stability and Reactivity

10.1 Reactivity: Stable under normal temperatures and pressures.

10.2 Chemical stability: Stable under normal temperatures and pressures.

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

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

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

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10.6 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

11.1 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

12.1 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)

12.2 Persistence and degradability: No information available

12.3 Bioaccumulative potential: Bioconcentration in aquatic organisms is low.

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

12.5 Results of PBT and vPvB Assessment: No information available

12.6 Other adverse effects: No information available

Section 13. Disposal Considerations

13.1 Waste treatment methods:

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13.1.1 Product / Packaging disposal: Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

13.1.2 Waste treatment-relevant information: Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of authorities with jurisdiction.

13.1.3 Sewage disposal-relevant information: This product should not be allowed to enter drains, water courses or the soil.

13.1.4 Other disposal recommendations: Dispose of waste and residues in accordance with local authority requirements.

Section 14. Transport Information

DOT

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

IMDG

14.1 Proper Shipping Name: Solids containing flammable liquid, n.o.s. (Isopropanol) (Limited Quantity)
14.2 UN Proper Shipping Name: UN3175
14.3 Transport hazard class: 4.1
14.4 Packing group: II
14.5 Marine Pollutant: No

IATA

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

Section 15. Regulatory Information

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

Canada WHMIS: Listed

TSCA Inventory Status: Isopropyl alcohol is listed

15.2 Chemical Safety Assessment: No chemical safety assessment has been carried out for this substance/mixture by the supplier.

Section 16. Other Information

Key Legend Information:



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N/A – Not Applicable

ND – Not Determined

OSHA – Occupational Safety and Health Administration

NIOSH – National Institute for Occupational Safety and Health

HMIS Health Hazard: 1

HMIS Fire Hazard: 3

HMIS Reactivity: 0

The information contained herein is based on the data available to us and is believed to be accurate. The data is offered in good faith as typical values and not as product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. NRI makes no warranty either expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The recommended industrial hygiene and safe handling procedures are believed to be genuinely applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. NRI assumes no responsibility for injury from the use of the product described herein. The information is intended only to assist in the safe handling of this material.

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