



Safety Data Sheet

Product Identifier

SECTION 1. IDENTIFICATION

Product Identifier: Nitroject.

Other Means of Identification: Code L0010030 (10mL) DIN 00614262 (1mg/mL), Code L0010046 (10mL) DIN 00778869 (5 mg/mL).

Recommended Use: N/A

Restrictions on Use: N/A

Initial Supplier Identifier: Omega Laboratories, Ltd.
11177 Hamon St.
Montreal, Canada H3M 3E4

Emergency Telephone Number: (514) 335-0310

SECTION 2. HAZARD IDENTIFICATION

Classification: N/A

Label Elements: N/A

Other Hazards: N/A

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Nitroglycerin	55-63-03	0.1%/0.5%	N/A	N/A
Ethanol	64-17-5	N/A	N/A	N/A
Propylene glycol	57-55-6	N/A	N/A	N/A
Water for injection	7732-18-5	q.s.	N/A	N/A

Notes

SECTION 4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. Oxygen administration if needed.

Skin Contact: Wash thoroughly with water and soap.

Eye Contact : Rinse eyes with water for 20 to 30 minutes. Immediately transport to hospital.

Ingestion: Drink 1 or 2 glass of water. If conscious, do not induce vomiting. Immediately transport to hospital.



Most Important Symptoms and Effects, Acute and Delayed: Hypotension, headache, convulsions, dizziness, vomiting, cyanosis, confusion, flush, ataxia, nausea, euphoria, rapid heartbeat, pallor, etc.
Immediate Medical Attention and Special Treatment: N/A

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical, alcohol foam, Halon or Carbon Dioxide.

Unsuitable Extinguishing Media: N/A

Specific Hazards Arising from the Product: N/A

Special Protective Equipment and Precautions for Fire-Fighters: Self-contained breathing apparatus and protective equipment for fire fighting.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear 4H types gloves, safety chemical splash goggles and a lab coat.

Methods for Containment and Cleaning Up: Contain spill. Soak up liquid with absorbent material. Wash surface with soap. A NIOSH approved air purifying respirator is recommended.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling and Conditions for Safe Storage: Store between 15 and 30°C, protected from light. Wear polypropylene ether gloves when handling material.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
N/A				
N/A				
N/A				

Notes

Appropriate Engineering Controls: Local ventilation should be sufficient.

Individual Protection Measures

Eye/Face Protection: Safety chemicals splash goggles.

Skin Protection: 4H type gloves.

Respiratory Protection: Not necessary in normal conditions of use.



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid.

Odour: Alcohol odour.

Odour Threshold: N/A

pH: N/A

Melting Point and Freezing Point: N/A

Initial Boiling Point and Boiling Range: N/A

Flash Point: N/A

Evaporation Rate: N/A

Flammability (solid, gas): N/A

Upper and Lower Flammability or Explosive Limit: N/A

Vapour Pressure (mm Hg/20°C): 1 (Nitroglycerin); 40 (EtOH).

Vapour Density (air = 1): 2.62 (Propylene Glycol); 1.59 (EtOH).

Relative Density (water = 1): 0.8 (EtOH).

Solubility in Water: Totally soluble.

Solubility in Other Liquids: N/A

Partition Coefficient, n-Octanol / Water: N/A

(Log Kow)

Auto-ignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity: N/A

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability: This product is stable when stored between 15 and 30°C and protected from light.

Possibility of Hazardous Reactions: Will not occur.

Conditions to Avoid: Heat, sunlight, UV and contact with incompatible chemicals.

Incompatible Materials: Acids, oxidizing agents, alkalis, amines.

Hazardous Decomposition Products: Acrid smokes and irritating fumes. Carbon and Nitrogen Oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation Skin contact Eye contact Ingestion

Acute Toxicity

LD50 (oral): Nitroglycerin, rat 105 mg/kg. Ethyl Alcohol, rat 7060 mg/kg. Propylene Glycol, rat 20 g/kg

Notes: Propylene Glycol is considered as being a teratogen agent. Nitroglycerin and Ethyl Alcohol are both considered as being tumorigen and teratogen agents and may cause reproductive effects.



Skin Corrosion / Irritation: Irritant
Serious Eye Damage / Irritation: Irritant.
STOT (Specific Target Organ Toxicity) - Single Exposure
Ingestion: Harmful.
STOT (Specific Target Organ Toxicity) - Repeated Exposure
Respiratory: N/A

Carcinogenicity

Chemical Name	IARC	ACGIH®	OSHA
N/A			
N/A			
N/A			

Notes

Reproductive Toxicity

Development of Offspring: N/A
Sexual Function and Fertility: N/A
Effects on or via Lactation: N/A
Germ Cell Mutagenicity: N/A
Interactive Effects: N/A

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and Degradability: N/A
Bioaccumulative Potential: N/A
Mobility in Soil: N/A
Other Adverse Effects: N/A

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of waste in respect with all regulatory agencies and laws.



SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group

Special Precautions: N/A

Environmental Hazards: N/A

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: N/A

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations: N/A

SECTION 16. OTHER INFORMATION

Date of Latest Revision

12-02-2019

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