

MATERIAL SAFETY DATA SHEET

First Aid for Skin: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

First Aid for Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

First Aid for Ingestion: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but **DO NOT INDUCE**. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

Section 5. Fire Fighting Measures

Flash Point (°F/°C): -0.40°F / -18.0°C (Tag Closed Cup)

Flammable Limit (vol%): LEL: 2.5
UEL: 12.8

Extremely Flammable Liquid and Vapor!

Auto-ignition Temp. 869°F / 465°C

Extinguisher Media: Dry chemical, alcohol foam or carbon dioxide. Water may be ineffective. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors.

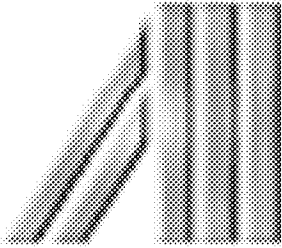
Fire Fighting Procedures: Fire should be fought from a safe distance. Firefighters should wear full face, self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards: Closed containers exposed to excessive heat may rupture. Do not crush or puncture containers.

Section 6. Accidental Release Measures

Spill or Release Procedures: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

Section 7. Handling and Storage



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Handling & Storing: Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Section 8. Exposure Controls / Personal Protective Equipment

Respiratory Protections (Specific Type):

Not normally needed under proper conditions of use and storage.

Ventilation to be Used:

Local and Mechanical recommend

Other Protective Clothing and Equipment:

Skin: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Hygienic Work Practices:

Wash hand thoroughly after using this product and before eating, drinking, or smoking.

Section 9. Physical and Chemical Properties

Appearance @ 25°C:	Clear liquid	Viscosity (RVT):	Not applicable
Odor @ 25°C:	Characteristic	Vapor Pressure:	Not available.
pH	Not applicable	Vapor Density:	2 @ 20°C / 68°F
Specific Gravity:	790-792 kg/m3 @ 20°C / 68°F	Evaporation Rate:	Not available.
Ignition:	Not applicable	Refractive Index:	1.359 @ 20°C / 68°F
Melting Point:	Not applicable		
Boiling Point:	-139°F / -95°C		
Solubility in Water	Miscible		

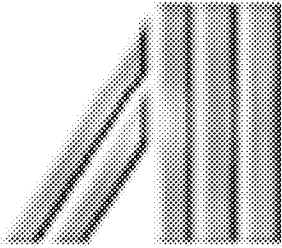
Section 10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Incompatibility (Materials to Avoid):



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Concentrated nitric and sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids, potassium t-butoxide.

Hazardous Polymerization:

Will not occur

Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

Section 11. Toxicological Information

Acute Oral Toxicity: No data available.

Acute Dermal Toxicity: No data available.

Acute Inhalation Toxicity: No data available.

Skin Irritation: Not irritating to skin. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

Eye Irritation: Irritating to eyes.

Sensitisation: Not expected to be a skin sensitiser.

Repeated Dose Toxicity: Low systemic toxicity on repeated exposure.

Mutagenicity: Not mutagenic.

Carcinogenicity: Not expected to be carcinogenic.

Reproductive and Developmental Toxicity: Not expected to impair fertility

Section 12. Ecological Information

Acute Toxicity

Fish: No data available.

Aquatic Invertebrates: No data available.

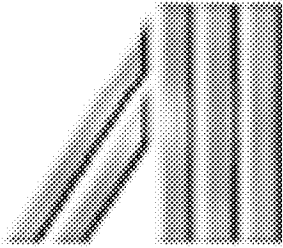
Algae: No data available.

Micro organisms: No data available.

Mobility: If product enters soil, it will be mobile and may contaminate groundwater. Dissolves in water.

Persistence / degradability: Readily biodegradable.

Bioaccumulation: Not expected to bioaccumulate significantly.



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Section 13. Disposable Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14. Transportation Information

<DOT Information>

Proper Shipping Name (49CFR 172.101):	Acetone
Hazard Class:	3
UN/NA:	UN1090
Packing Group:	II

ADR

Class	3
Packing group	II
Classification code	F1
Hazard identification no.	33
UN No.	1090
Danger label (Primary risk)	3
Proper Shipping Name	Acetone

RID

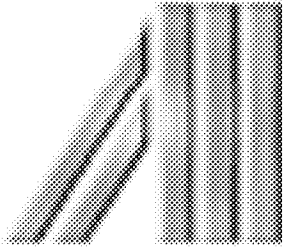
Class	3
Packing group	II
Classification code	F1
Hazard identification no.	33
UN No.	1090
Danger label (Primary risk)	3
Proper Shipping Name	Acetone

IMDG

Identification Number	UN 1090
Proper Shipping Name	Acetone
Class / Division	3
Packing group	II
Marine pollutant	No

Section 15. Regulatory Information

EC Label Name:	Acetone
EC Label/EC Number:	200-662-2
EC Classification:	Highly flammable. Irritant.
EC Annex I Number	606-001-00-8



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EC Symbols: F Highly flammable.
Xi Irritant.

EC Risk Phrases: R11 Highly flammable.
R36 Irritating to eyes
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

EZ Safety Phrases: S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

AICS Listed.
DSL Listed.
INV (CN) Listed.
ENCS (JP) Listed.
TSCA Listed.
EINECS Listed.
KECI (KR) Listed.
PICCS (PH) Listed.

Section 16. Other Information

Additional information available upon request.