



Section 1. Identification of Product and Company

Distributor: McKinley Resources, Inc.
Address: PO Box 810472, Dallas, TX 75381
Emergency Phone: 972-620-9730
Chemical Family: Quaternary ammonium compounds
INCI Name: Distearyltrimonium Chloride
CAS No.: 107-64-2

Section 2. Hazards Identification

Emergency Overview

Physical Appearance

Form:	Powder
Color:	Off-white
Odor:	Amine-like
Water Solubility:	Dispersible
pH:	6-8

Potential Health Effects:

Immediate Concerns: WARNING! Causes severe eye irritation. Causes skin irritation. May cause allergic skin reaction. Avoid contact with skin, eyes and clothing. Avoid inhalation of dust and vapors. Wear eye protection and gloves when handling this product. Wash thoroughly after handling. Large dust clouds pose a possible dust explosion hazard.

Eyes: Causes severe eye irritation. High concentrations (>400 ppm) of isopropanol vapors can also cause eye irritation.

Skin: Can cause irritation. May cause allergic skin reaction.

Ingestion: No harmful effects have been reported upon ingestion.

Inhalation: Inhalation of dust may cause irritation of the nose and throat. Inhalation of isopropanol vapors can cause drowsiness and irritation of the respiratory tract.

Primary Routes of Entry: Eyes, Skin, Inhalation

Target Organs: Eyes, Skin, Respiratory Tract

Carcinogenicity: This product contains component(s) that are listed on one or more of the following lists: NTP, IARC, ACGIH, or OSHA as a carcinogen.



Section 3. Composition / Information on Ingredients

Components	CAS No.	% Wt.
1-Octadecanaminium, N,N-dimethyl-N-octadecyl, chloride	107-64-2	> 92
2-Propanol (Isopropanol)	67-63-0	< 2.5

Section 4. First Aid Measures

- Eyes:** Immediately rinse with water for at least 15 minutes or more. Hold eyelids apart while flushing in order to rinse the entire surface of the eye. Seek medical attention.
- Skin:** Remove contaminated clothing immediately. Wash off with soap and water. If irritation persists, consult a physician and show this data sheet.
- Ingestion:** Immediately drink two large glasses of water. Call a physician.
- Inhalation:** Move individual to fresh air. For throat irritation, drink two large glasses of water and call a physician.
- General Advice:** Remove soiled or soaked clothing immediately.

Section 5. Fire-Fighting Measures

- Flash Point:** Not applicable.
- Autoignition Temperature:** 536°F
- Upper Explosion Limits:** Not measured.
- Lower Explosion Limits:** Not measured.

Suitable Extinguishing Media: Dry chemical, water fog, foam.

- Products in Case of Fire:** In the event of fire the following can be released:
- Carbon dioxide, carbon monoxide.
 - Nitrogen oxides (NO_x)
 - Under certain conditions of combustion traces of other toxic substances cannot be excluded.

- Special Protective Equip.:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

- OSHA Flammable Class:** Not applicable.

Hazardous Decomposition Products: None with proper storage and handling.

Section 6. Accidental Release Measures

- Method for Clean-up Small Spill:** Persons not wearing protective equipment should be excluded from area of spill until dust clean-up has been completed. Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.



Release Notes: US regulations require reporting spills of this material that could reach any surface waters.

Section 7. Handling and Storage

General Procedures Handling

Advice on Safe Handling: Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid the formation and deposition of dust.

Advice on Protection Against Fire and Explosion: The powdered fines of this product can present a strong dust explosion hazard. When dispersed in air, these dusts are sensitive to both thermal and electrical ignition sources. Bulk handling equipment used for this product should be bonded and grounded and contain explosion vents, explosion suppression systems or use an inert gas atmosphere. Avoid generating large dust clouds during handling.

Storage

Requirements for Storage Area and Containers: Keep in closed or covered containers when not in use. Store in cool, dry place with adequate ventilation. Do not store near heat or open flame. Maximum recommended storage temperature is 85°F.

Further Information: Isopropanol vapors may accumulate in headspace of containers. Appropriate precautions should be followed when using this material. Exercise caution when handling contents of the container. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Whenever possible, use mechanical means to move large and/or heavy objects to help prevent back injuries.

Section 8. Exposure Controls / Personal Protection

OSHA Hazardous Components (29 CFR 1910.1200)

Components	CAS No.	Base	Type	Value	Note
2-Propanol (Isopropanol)	67-63-0	US ACGIH Threshold Limit Values	Time Weighted Average (TWA):	200 ppm	
2-Propanol (Isopropanol)	67-63-0	US ACGIH Threshold Limit Values	Short Term Exposure Limit (STEL):	400 ppm	
2-Propanol (Isopropanol)	67-63-0	US OSHA Table Z-1 Limits for Air Contaminants (29CFR1910.1000)	PEL	400 ppm 980 mg/m ³	

Personal Protective Equipment:

General Protective Measures: Avoid contact with eyes and skin.

Hygiene Measures: No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at the end of work shift.



Section 9. Physical and Chemical Properties

Form:	Powder
Color:	Off-white
Odor:	Amine-like
State of Aggregation:	Solid
Melting Temperature:	158°F
Boiling Point:	Not measured.
Vapor Pressure:	Not available.
Density:	0.84 g/cm ³
Weight per Volume:	7.0 lb/gal
Relative Vapor Density:	Not applicable.
Water Solubility:	Dispersible
pH:	6-8
Viscosity, dynamic:	Not applicable.
Volatile Organic Compound:	Volatile in Water: < 4%

Section 10. Stability and Reactivity

Thermal Decomposition:	Not measured.
Hazardous Reactions:	Reactions with strong oxidizing agents. Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.
Hazardous Polymerization:	Will not occur.
Stability:	Stable.
Hazardous Decomposition Products:	None with proper handling and storage.
Materials to Avoid:	Strong oxidizing agents.

Section 11. Toxicological Information

Acute Oral Toxicity:	LD50: > 5.0 g/kg
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Skin Irritation: The toxic effects of this material is not known.
Eye Irritation: The toxic effects of this material in not known.
Note: Risk of serious damage to eyes.

Section 12. Ecological Information

Elimination Information (persistence and degradability)

Biological Degradability: This product is not readily biodegradable according to OECD criteria.
Source: ECETOC

Toxicity Effects

Toxicity to Fish: LC50 Species: Pimelphales promelas
Dose: <1 mg/l
Exposure time: 96 hrs
Source: ECETOC

Toxicity to Daphnia: EC50 Species: Daphnia magna
Dose: < 1-3.1 mg/l
Exposure time: 48 hrs
Source: ECETOC

Further Ecological Information

Ecological Notes: No data available.

Section 13. Disposal Considerations

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

Product Disposal and Disposal Requirements: Incineration in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized permitted facilities is recommended.

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

Section 14. Transport Information

Sea Transport

IMDG:
Class: 9
UN No.: 3077
PG: III
MFAG:
EmS: F-A-S-F



Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID
Hazard Release: Distearyldimethylammoniumchloride
Label: 9
Marine pollutant

Air Transport

ICAO/IATA:
Class: 9
UN No.: 3077
PG: III
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.
Hazard Release: Distearyldimethylammoniumchloride
Label: 9

DOT (Department of Transportation)

CFR Road:
Class: 9
UN No.: 3077
PG: III
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.
Correct Technical Name: Distearyldimethylammoniumchloride
Label: 9
Marine pollutant

CFR Rail:
Class: 9
UN No.: 3077
PG: III
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.
Correct Technical Name: Distearyldimethylammoniumchloride
Label: 9
Marine pollutant

Canada Transport of Dangerous Goods

TDG Road:
Class: 9
UN No.: 3077
PG: III
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID
Correct Technical Name: Distearyldimethylammoniumchloride
Label: 9
Marine pollutant

TDG Rail:
Class: 9
UN No.: 3077
PG: III
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID
Correct Technical Name: Distearyldimethylammoniumchloride
Label: 9
Marine pollutant



Section 15. Regulatory Information

United States

Sara Section 311/312: Fire: Yes
Pressure Generating: No
Reactivity: No
Acute: Yes
Chronic: No

SARA Section 313: Notification: Yes

Components	CAS No.
2-Propanol (Isopropanol)	67-63-0

Notification Status: TSCA
Notification: Yes
All intentional ingredients are listed in the TSCA Inventory or comply with TSCA Polymer Exemption criteris per 40 CFR 723.

State Regulations:

Massachusetts Right to Know: Notification: Yes
Rhode Island Right to Know: Notification: Yes
New Jersey Right to Know: Notification: Yes
Pennsylvania Right to Know: Notification: Yes

California Proposition 65: Notification: No
This product does not contain any substance(s) which are defined by the State of California to cause cancer, birth defects or other reproductive effects.

CERCLA: CAS 67-63-0

Canada

Canada WHMIS Classification: Class D, Division 2, Subdivision B

This product contains component(s) that are listed on the WHMIS Ingredient Disclosure List.

Components	CAS No.
2-Propanol (Isopropanol)	67-63-0

Notification Status: Canadian Environmental Protection Act
DSL
Notification: Yes

All intentional ingredients are listed on the DSL (Domestic Substance List) or have been notified pursuant to the NSN



regulation.

CTFA:

All components of this product are INCI (CTFA) registered.

Section 16. Other Information

HMIS Codes:	Fire	2
	Health	2
	Physical Hazard	0
	Protection	X

Distributor statement:

This safety data sheet is a complement to the technical brochure of the product but does not replace it. The information and data presented are based on our knowledge of the product as of the date shown above, except as set forth above, McKinley Resources makes no warranties, whether express, implied or statutory, as to the products which is the subject of this document without limiting the generality of the foregoing. McKinley Resources makes no warranty of merchantability of the product or the fitness of the product for any particular purpose. Buyer assumes all risk and liability resulting from the use of sale of the product whether singly or in combination with other goods.

The information set forth herein is furnished free of charge and is based in technical data that McKinley Resources believes to be reliable.