

Cocamidopropyl Betaine	61789-40-0	Unknown	N
Propylene Glycol	57-55-6	Unknown	Y
Amine Oxide	68155-09-9	Unknown	N
Benzalkonium Chloride	68424-85-1	Unknown	N

Section 4. First Aid Measures

Eye Contact: Flush eyes with copious amounts of clean water. If irritation persists, get medical attention.

Skin Contact: Not expected to be a problem. Wipe off or rinse off with clean water if desired.

Inhalation: Remove to fresh air.

Ingestion: If conscious, give water or milk to drink.

Note to Physicians:

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Water, foam, carbon dioxide, dry chemical

Unsuitable Extinguishing Media: None known

Products of Combustion: Oxides of carbon, nitrogen, chlorine; chlorine; hydrogen chloride

Protection of Firefighters: Self-contained breathing apparatus if large quantities involved

Section 6. Accidental Release Measures

Personal Precautions: Keep out of mouth and eyes

Environmental Precautions: Keep out of surface waters and sanitary sewers

Methods for Containment: Dike area with sand, clay or other suitable material

Methods for Clean-Up: Absorb on sand, clay or other suitable material or mop up with water.

Other Information:

Section 7. Handling and Storage

HANDLING

Keep closed until ready to use.

STORAGE

Original container at ambient temperatures

Section 8. Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Water	Not applicable	Not applicable
Cocamidopropyl Betaine	None established	>5000 mg/kg
Propylene Glycol	None established	20 000 mg/kg
Amine Oxide	None established	>500 mg/kg
Benzalkonium Chloride	None established	>500 mg/kg

Engineering Controls: Not normally necessary

Eye/Face Protection: Protective goggles if handling large quantities

Skin Protection: Not normally necessary. Rubber or similar gloves may be worn.

Respiratory Protection: Not normally necessary.

General Hygiene Considerations: Reasonable care. Keep away from food and beverages.

Section 9. Physical and Chemical Properties

Color: Light purple.

Odor: Mild

Physical State: Liquid

Odor Treshhold:

pH: 6 – 7
Evaporation Rate: Not determined
Flash Point: >100°C/212°F Close cup
Upper Flammability Limit: Not determined
Vapor Pressure: As water
Vapor Density: Not determined
Volatile Organic Compound (VOC),%weight:
Less than 1%

Freezing Point: Not determined
Boiling Point: 100°C/212°F
Flammability(solid,gas): Not applicable
Lower Flammability Limit: Not determined
Specific Gravity: 1
Auto-ignition Temperature: Not determined
Solubility (water): Soluble
Percent Volatile: Undetermined

Section 10. Stability and Reactivity

Stability: Stable
Conditions to Avoid: High temperatures
Incompatible Materials: Strong acids, alkalis, or oxidizing agents
Hazardous Decomposition Products: None known under conditions likely to be encountered
Possibility of Hazardous Reactions: Very improbable

Section 11. Toxicology Information

ACCUTE EFFECTS

Oral LD50: Not determined for mixture. Weighted average more than 1000 mg/kg
Dermal LD50: Not determined for mixture. Weighted average more than 1000 mg/kg
Inhalation: Not determined for mixture. Low volatility. Weighted average more than 5 milligrams per Liter.
Eye Irritation: Direct contact can irritate eyes
Skin Irritation: While unlikely, prolonged or repeated contact could dry or irritate skin
Sensitization: None known

CHRONIC EFFECTS

Carcinogenicity: None known
Mutagenicity: None known
Reproductive Effects: None known
Developmental Effects: None known

Section 12. Ecological Information

Ecotoxicity: None known
Persistence/Degradability: Biodegradable
Bioaccumulation/Accumulation: None known
Mobility in Environment: Not determined

Section 13. Disposal Considerations

Disposal: Dispose according to Federal, State or Provincial, and Local regulations.

Section 14. Transportation Information

US DOT (ground)
Proper Shipping Description: Not a Hazardous Material
CANADA TDG (ground)
Proper Shipping Description: Not a Dangerous Good
ICAO (air)
Proper Shipping Description: Not a Dangerous Good
IMDG (water)

Proper Shipping Description: Not a Dangerous Good

Section 15. Regulatory Information

Global Inventories

TSCA: United States	Included
DSL: Canada	Included
ECL: Korea	Not-Known
PICCS: Philippines	Not-Known
ENCS: Japan	Not-Known
AICS: Australia	Included
IECS: China	Not-Known
EINECS: European Union	Included

SARA 313 Information : Does not contain any SARA 313 substances

California Safe Drinking Water and Toxic Enforcement Act of 1986 :(Proposition 65)

Does not contain any Proposition 65 substances

WHMIS: Canadian Workplace Hazardous Material Information System

D 2 B

Section 16. Other Information

Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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