

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined
N/A=Not Applicable

Product: SANI-CLEAN	Manufacturer: ESTEAM	Flammability: 0
Chem. Name: N/A	Trade Name: Sani-Clean	Reactivity: 0
Chem. Family: Mixture	Use: Quaternary ammonia disinfectant cleaner	Health: 2 Protection: NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
N-Alkyl(c12-c18)N, N-Dimethyl-N-Benzylammonium Chloride	68424-85-1	1-2	N/D	N/D
N,N-Dialkyl(C-8,10)-N, N-Dimethylammonium Chloride	68424-95-3	1-2	LD50 366 mg/kg (80%)oral-rat)	N/D

PHYSICAL DATA

Physical State: Liquid	Boiling Point (C): 100	Solubility in Water: 100 %	Evaporation Rate: N/D	Freeze/Thaw Stable: Yes
Odor/ Appearance: Clear, alcohol odor	Freezing Point (C): N/D	pH (undiluted): 12.1	Specific Gravity: N/D	Percent Volatile (vol): N/D Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD

Flammability: N	Conditions: N/A
Means of Extinction: N/A	Hazardous Combustion Products: N/A
Special Procedures: Avoid eye and skin contact	Upper Explosion Limit (% by vol): N/A
Explosion Sensitivity to Impact: N/A	Lower Explosion Limit (% by vol): N/A
Chemical Sensitivity to Static Discharge: N/A	Auto-ignition: N/A
Flashpoint (C) & Method: None	Rate of Burning: N/A
	Explosive Power: N/A
	TDG/WHMIS: Non hazardous / E, D2B

REACTIVITY DATA

Chemical Stability: Stable

Hazardous Decomposition Product: None

Incompatible Substances: Anionic materials, bleach or oxidizing agents.

TOXICOLOGICAL PROPERTIES

Route of Entry - Skin Contact: Y	Reproductive Effects Y/N: N	Effects of Overexposure: Acute Effects: Skin contact may cause irritation. Eye contact may cause severe irritation or injury. Inhalation of mist may cause irritation of nose and throat. Ingestion may cause burning or pain in the mouth.
Route of Entry - Skin Absorption: N	Carcinogenicity Y/N: N	
Route of Entry - Eye Contact: Y	Mutagenicity Y/N: N	
Route of Entry - Inhalation: Y	Teratogenicity Y/N: N	
Route of Entry - Ingestion: Y	TLV: N/D	Chronic Effects: Repeated skin contact may lead to defatting dermatitis.

PREVENTATIVE MEASURES

Gloves: Impervious
Eyes: Chemical Goggles

Footwear: N/A
Respirator: NIOSH organic vapour

Clothing: N/A
Other: N/A

Recommended Engineered Controls:
Use with adequate ventilation.

Leak & Spill Procedures:
Mop up excess. Flush with water to a sanitary sewer.

Waste Disposal Methods:
According to federal, provincial and municipal regulations.

Special Handling Procedures:
Avoid contact with food. Keep container closed when not in use.
Store in a cool, dry place away from

FIRST AID MEASURES

Inhalation: Move person to fresh air. If necessary give artificial respiration or oxygen. Call a doctor if in distress.

Ingestion: Contact a physician.

Eye Contact: Immediately flush eyes with running water for at least 15 minutes. Contact a physician if irritation persists.

Skin Contact: Immediately flush skin for at least 15 minutes. Launder clothing before reuse. Contact a physician if irritation persists.

Prep./Revised Date: January 15, 2015

Prepared By: R. Russell

Source Material: Manufacturer's MSDS

Emergency Response: 1-613-996-6666 (Transport Emergencies)

Mailing Address: Esteam Manufacturing Ltd.
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This information is complete to the best of our knowledge, however, users are encouraged to make their own investigations into the suitability of the information to their particular purposes. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.