

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

Product: TANNIN REMOVER

Chem. Name: N/A

Chem. Family: Mixture

Manufacturer: ESTEAM

Trade Name: Tannin remover

Use: Coffee and tea stain remover for carpets

Flammability: 0

Reactivity: 0

Health: 1

Protection:

NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4

HAZARDOUS INGREDIENTS

Alkyl Dimethyl Benzyl Ammonium Chloride
Acetic Acid

CAS

68424-85-1
64-19-7

% WT

1-5
1-5

HAZARD DATA

Acute oral LD50 (rat) 404 mg/kg
LD50 3310 mg/kg (oral-rat)

EXPOSURE LIMITS (TLV)

N/D
10 ppm

PHYSICAL DATA

Physical State: Liquid

Boiling Point (C): 100

Solubility in Water: 100%

Freeze/Thaw

Stable: Yes

Odor/Appearance: Cloudy liquid,

Freezing Point (C): 0

pH (undiluted): 4.5

Percent Volatile (vol): 0%

Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD

Flammability: N

Means of Extinction:

Special Procedures: N/A

Explosion Sensitivity to Impact: N/A

Chemical Sensitivity to Static Discharge: N/A

Flashpoint (C) & Method: N/A

Conditions: N/A

Hazardous Combustion Products: N/A

Upper Explosion Limit (% by vol): N/A

Lower Explosion Limit (% by vol): N/A

Auto-ignition: N/A

Rate of Burning: N/A

Explosive Power: N/A

TDG/WHMIS: Non hazardous / D2B

REACTIVITY DATA

Chemical Stability: Stable

Hazardous Decomposition Product: None

Incompatible Substances: None

TOXICOLOGICAL PROPERTIES

Route of Entry - Skin Contact: Y
Route of Entry - Skin Absorption: N
Route of Entry - Eye Contact: Y
Route of Entry - Inhalation: N
Route of Entry - Ingestion: Y

Reproductive Effects Y/N: N/D
Carcinogenicity Y/N: N/D
Mutagenicity Y/N: N/D
Teratogenicity Y/N: N/D
TLV: N/D

Effects of Overexposure:

Acute Effects:

May cause irritation if inhaled. Will cause irritation of membranes of mouth and throat. Nausea, abdominal pain, vomiting, diarrhea and headache may result. Will cause eye irritation.

Chronic Effects:

Frequent or prolonged exposure may cause defatting of the skin resulting in dermatitis.

PREVENTATIVE MEASURES

Gloves: N/A
Eyes: N/A

Footwear: N/A

Respirator: Organic vapour is recommended

Clothing: N/A

Other: N/A

Recommended Engineered Controls:
Use with adequate ventilation.

Leak & Spill Procedures:
Soak up with absorbent material and flush area to a sanitary sewer.

Waste Disposal Methods:

According to federal, provincial and municipal regulations.

Special Handling Procedures:

Avoid eye contact. Avoid breathing vapours.

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. Give two glasses of water.

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

Skin Contact: Wash skin with soap and water. 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.