

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined

N/A=Not Applicable

Product: LIQUID DRYCLEANER

Manufacturer: ESTEAM

Flammability: 1

Chem. Name: N/A

Trade Name: Liquid DryCleaner

Reactivity: 0

Chem. Family: Chlorinated solvent

Use: Cleaning agent

Health: 2

Protection:

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

HAZARDOUS INGREDIENTS

Trichloroethylene
Isoparaffinic Naptha

CAS

79-01-6
64741-65-7

% WT

60-100
10-30

HAZARD DATA

LD50 4920 mg/kg (oral-rat)
LD50 >8000mg/kg (oral-rat)

EXPOSURE LIMITS (TLV)

50 ppm TWA
N/A

PHYSICAL DATA

Physical State: Liquid

Boiling Point (C): N/D

Solubility in Water: N/D

Evaporation Rate: N/D

Freeze/Thaw

Stable: Doesnt freeze

Percent Volatile (vol): N/D

Odor/ Appearance: Clear, light, solvent odour

Freezing Point (C): N/D

Ph (undiluted): N/A

Specific Gravity: N/D

Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD

Flammability: N

Means of Extinction: Foam, CO2, Dry Chemical

Special Procedures: Do not use water.

Explosion Sensitivity to Impact: N/D

Chemical Sensitivity to Static Discharge: N/D

Flashpoint (C) & Method: None

Conditions:

Hazardous Combustion Products: N/D

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

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

Auto-ignition: N/D

Rate of Burning: N/D

Explosive Power: N/D

Less than 5 Lt classified as Limited Quantities.

TDG/WHMIS: Trichloroethylene Class 6.1
UN 1710 PG III / D, D2B

REACTIVITY DATA

Chemical Stability: Stable

Incompatible Substances: Water, oxidizing materials

Hazardous Decomposition Product: CO, CO2, smoke, Hydrogen Chloride, Phosgene (small amounts), Chlorine (small amounts)

TOXICOLOGICAL PROPERTIES

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

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 mild eye and skin irritation on contact. Inhalation may cause dizziness, drunkenness and drowsiness, unconsciousness and even death in extreme doses. Exposures in 1000 ppm range can cause narcosis.

Chronic Effects:

Prolonged or repeated contact can cause dermatitis through defatting of the skin.

PREVENTATIVE MEASURES

Gloves: Solvent resistant

Footwear: N/A

Clothing: N/A

Eyes: Chemical goggles

Respirator: N/A

Other: Eye wash station

Recommended Engineered Controls:

Use with adequate ventilation.
Local exhaust recommended.

Leak & Spill Procedures:

Evacuate area, avoid vapours, contain spill. Mop or absorb material and collect to a closed container for disposal.

Waste Disposal Methods:

According to federal, provincial and municipal regulations.

Special Handling Procedures:

Avoid skin contact, do not breath vapours. Store in a cool, dry, well ventilated area. Vapours will collect in low areas.

FIRST AID MEASURES

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

Ingestion: Do not induce vomiting. Contact a physician or poison centre immediately.

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.