

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined

N/A=Not Applicable

Product: CITRUS PRO

Manufacturer: ESTEAM

Flammability: 2

Reactivity: 0

Health: 2

Protection:

Use: Carpet spotting

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

HAZARDOUS INGREDIENTS

D-Limonene
Solvent Naptha
Diopropylene Glycol Monomethyl Ether

CAS

5989-27-5
64742-88-7
34590-94-8

% WT

30-60
60-90
10-15

HAZARD DATA

LD50 4400 mg/kg (oral-rat)
LD50 > 2000 mg/kg (oral-rat)
LD50 5135 mg/kg (oral-rat)

EXPOSURE LIMITS (TLV)

N/A
100 ppm
100 ppm

PHYSICAL DATA

Physical State: Clear liquid

Odor/ Appearance: Citrus odor

Boiling Point (C): 149-185

Freezing Point (C): N/A

Solubility in Water: Negligible

Ph (undiluted): N/A

Evaporation Rate: .21

Specific Gravity: N/A

Freeze/Thaw

Stable: Doesn't

Percent Volatile (vol): N/D

Vapor Pressure: .37-.39 kPa@20 C

FIRE & EXPLOSION HAZARD

Flammability: Y

Means of Extinction:

Special Procedures: Do not use water except as fog

Explosion Sensitivity to Impact: None

Chemical Sensitivity to Static Discharge: N/A

Flashpoint (C) & Method: 40-41.7 TCC

Conditions: In presence of open flames and sparks

Hazardous Combustion Products: Carbon monoxide

Upper Explosion Limit (% by vol): 6.0

Lower Explosion Limit (% by vol): 1.0

Auto-ignition: N/D

Rate of Burning: N/D

Explosive Power: N/D

TDG/WHMIS: Non hazardous / B2, D2B

REACTIVITY DATA

Chemical Stability: Stable

Hazardous Decomposition Product: CO and CO2 are produced on combustion

Incompatible Substances: Strong oxidizing agents

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: Y

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

Effects of Overexposure:

Acute Effects:

Inhalation may be irritating. Eye and skin contact may cause moderate irritation.

Chronic Effects:

Frequent or prolonged contact may irritate skin

PREVENTATIVE MEASURES

Gloves: Impervious gloves

Eyes: Chemical safety glasses

Footwear: Rubber

Respirator: Niosh approved respirator

Clothing: Rubber apron

Other: None

Recommended Engineered Controls:

Local exhaust recommended.

Leak & Spill Procedures:

Eliminate sources of ignition. Flush with water to a sanitary sewer.

Waste Disposal Methods:

According to federal, provincial and municipal regulations.

Special Handling Procedures:

Store in a cool, dry, well ventilated area.

FIRST AID MEASURES

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

Ingestion: Get immediate medical attention.

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

Skin Contact: Wash skin with soap and water. Launder clothing before reuse.

Prep./Revised Date: January 15, 2017

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.