

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

Product: CITRUS 500 (VOC Friendly)

Manufacturer: ESTEAM

Flammability: 2

Chem. Name: N/A

Trade Name: Citrus 500

Reactivity: 0

Chem. Family:

Use: Carpet spotting compound

Health: 2

Protection:

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

HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
D-Limonene	5989-27-5	30-60	LD50 4400 mg/kg (oral-rat)	N/A
Solvent Naptha	64742-88-7	60-90	LD50 > 2000 mg/kg (oral-rat)	100 ppm
Diopropylene Glycol Monomethyl Ether	34590-94-8	10-15	LD50 5135 mg/kg (oral-rat)	100 ppm

PHYSICAL DATA

Physical State: Clear liquid

Boiling Point (C): 149-185

Solubility in Water: Negligible

Evaporation Rate: .21

Freeze/Thaw

Stable: Doesn't freeze

Percent Volatile (vol): N/D

Odor/Appearance: Citrus odor

Freezing Point (C): N/A

Ph (undiluted): N/A

Specific Gravity: N/A

Vapor Pressure: .37-.39 kPA@20°C

FIRE & EXPLOSION HAZARD

Flammability: Y

Means of Extinction: Dry chemical, CO2, foam, water fog

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

Footwear: Rubber

Clothing: Rubber apron

Eyes: Chemical safety glasses

Respirator: NIOSH approved respirator

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 8, 2010

Prepared By: R. Russell

Source Material: Manufacturer's MSDS

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

Mailing Address: Esteam Manufacturing Ltd.

3750-19th Street NE Calgary, AB T2E 6V2



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.