

MATERIAL SAFETY DATA SHEET

Hazardous Materials Identification Systems (HMIS)

I. PRODUCT IDENTIFICATION

Name: **Thermo Asphalt Cleaner**
Number: Not-regulated
Class: Not-regulated
MSDS Revision Date: 04/28/98
Effective Date: 03/01/98

Health: 1
Flammability: 2
Reactivity: 0
Personal Protective Equipment: A

II. HAZARDOUS INGREDIENTS

Ingredient / D-Limonene 5989-27-5
Occupational: TLV: N/E PEL: N/E
Exposure Limit:

Percent by weight:
>95%

III. PHYSICAL DATA

Boiling Point: 310° F minimum
Maximum V,O,C,: 6.5 lbs/gal
Vapor Pressure: 2 @ 20C
Vapor Density: <1 (air = 1)
Solubility in Water: Negligible
Wght per Gallon: 7.1 lbs
Volatile Volume: 100%
Solid by Weight: 0%

IV. FIRE & EXPLOSION HAZARD DATA

DOT: Not Regulated
Flash Point: 100F / TCC
Unusual Fire / Explosion Hazard: Keep away from heat & flame. Can react with oxidizing agents.
Extinguishing Media: CO2, drychem, foam. Do not use water.
UEL: 6.1%
LEL: 0.7%
Explosion Hazard: With Iodine Pentafluoroethyne
Special Fire Fighting Procedures: Protective clothing, Use SCBA, Avoid Oxidizing agents. DO NOT USE WATER.

V. HEALTH HAZARD DATA

Effects of Over Exposure: Headache, giddiness, Skin irritation
Medical Conditions: N/A
Primary Route(s) of Entry: Skin contact
Emergency First Aid: Move person to fresh air. Apply artificial respiration if needed, Wash skin with water. Wash eyes with water for 15 minutes. Call a physician

VI. REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur.
Hazardous Decomposition: CO, CO2, smoke
Conditions to Avoid: Elevated temperatures
Incompatibility: Strong oxidants, acidic agents, acidic clay, iodine pentafluoroethylene

VII. SPILL / LEAK PROCEDURES

Material Released: Extinguish all sources of ignition, contain and absorb
Waste Disposal: Comply with local code
Method:

VIII. SAFE HANDLING / USE INFORMATION

Hygienic Practices: Clean skin with water. Do not use solvents
Respiratory Protection: SCBA recommended
Ventilation: Use supplied air system if vapor concentration exceeds TLV.
Protective Gloves: Chemical resistant
Eye Protection: Safety glasses
Other Protective Equipment: None

IX. SPECIAL PRECAUTIONS

Handling/ Storage: Keep storage container closed. Avoid flames, flammable mat'ls.
Other Precautions: Ventilate areas if high concentrations are experienced in closed area.

X. TRANSPORTATION DATA

Shipping Name: Asphalt cleaner.
Labeling: N/A
Labeling Required: N/A
Hazard Class: Combustible liquid

D.O.T.: Not-regulated
No association has established data between industrial exposure and cancer. D-Limonene is not listed as carcinogenic.

Comments: Acute inhalation may cause throat, nose and respiratory tract irritation, coughing or headache. Eye contact can cause moderate to high irritation.

Direct ingestion may cause nausea, vomiting or diarrhea

NDA—No Data Available N/A—Not Applicable
N/E—Not Established

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