



MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: EC-510A ASPHALT EXTRACTION SOLVENT

Manufacturer: Superior Oil Company
400 W. Regent St.
Indianapolis, IN 46225

Information Phone: (317)781-4400 /// Emergency Phone: (317) 781-4400

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SECTION II - HAZARDOUS INGREDIENTS

Ingredients:	CAS#	ACGIH (TLV)	OSHA (PEL)	Wt. %
Citrus Terpenes	5989-27-5	N/E	N/E	85-95
1-Methoxy-2-Propanol	107-98-2	N/E	N/E	1-5

EMERGENCY OVERVIEW:

Citrus oils are subject to oxidation. Guard against spontaneous combustion of improperly discarded oily rags. DO NOT leave oily rags in open containers that are exposed to air. Place oil-soaked rags in approved metal safety cans with tight fitting lids or soak with water.

SECTION III - PHYSICAL DATA

Specific Gravity: 0.86
Boiling Point: 310°F
Vapor Pressure: 1mm Hg
Vapor Density: 4-5 (air=1)
Solubility in Water: Emulsifies
Appearance: Yellow liquid
Odor: Citrus

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC, °F): 113°F
Lower Explosive Limits: N.D.
Upper Explosive Limits: N.D.

Extinguishing Media: Foam, CO₂, dry chemical for surrounding fires.

Special Fire Fighting Procedures: Use self-contained breathing apparatus. Water spray may be used to cool heated containers.

Unusual Fire and Explosion Hazards: Never use a cutting torch on or near drum, even when empty.



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SECTION V - REACTIVITY DATA

Chemical Stability: Stable

Conditions to Avoid: Extremely high temperatures. Exposure to heat, sparks and open flames.

Incompatible Materials: None

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.

Hazardous Polymerization: will not occur

SECTION VI - HEALTH HAZARD DATA

Effects of Overexposure:

Eyes - Contact can cause irritation, redness, blurred vision.

Skin - Prolonged contact can cause irritation, defatting, dermatitis.

Inhalation - Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, nausea, headache.

First Aid Procedures:

Eyes - Flush from with water for 15 minutes. Get medical help if irritation persists.

Skin - Rinse well with water.

Inhalation - Remove to fresh air. If necessary, give oxygen, artificial respiration.

Ingestion - Do not induce vomiting. Aspiration of material into lungs because of vomiting can cause chemical pneumonitis. Get medical assistance.

Carcinogenicity: Not listed as carcinogenic by IARC, NTP, OSHA, ACGIH.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case of spill: Remove all sources of ignition. Use all protective equipment. Dike to prevent spreading. Absorb on solid absorbent.

Waste Disposal Method: Dispose in accordance with all local, state and federal regulations.

Precautions to be Taken in Handling and Storing: Store at moderate temperatures. Keep container closed when not in use.

Other Precautions: Product residue can be combustible. Do not use a cutting torch on or near drums. Return empty drums to a licensed reconditioning service. Keep out of the reach of children.



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SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH approved respirator for product mists or vapors.

Ventilation: Recommended

Protective Gloves: Recommended for prolonged or repeated contact. Use nitrile rubber.

Eye Protection: Wear safety glasses or face shield.

Other Protective Clothing or Equipment: Eye wash station.

SECTION IX - NFPA and HMIS Ratings

Health: 1 Fire: 2 Reactivity: 0

Hazard Ratings: 0 - Slight
1 - Minimal
2 - Moderate
3 - Serious
4 - Severe

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