

**ETOWAH CHEMICAL
SALES & SERVICE**

DIVISION OF H. P.W. SPECIALTIES, INC.
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N. F. P. A.
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

HEALTH	1
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	B

Material Safety Data Sheet

24 Hour Emergency Telephone Number: (800) 535-5053

SECTION I - IDENTIFICATION

Product Name	SC-104 ASPHALT EXTRACTION	Date last Revised	AUG 2009
Chemical Family	SOLVENT BASED CLEANER	Item Number	ETC-1048
Proper D.O.T. Shipping Name	COMBUSTIBLE LIQUID, n.o.s.		
D.O.T. Hazard Classification	NA 1993, PACKING GROUP III (contains Petroleum Hydrocarbons)		

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

% By Weight	Material	PEL	T. L. V.	C. A. S. No.
< 10	d-LIMONENE	NE	NE	5989-27-5
< 80	PARAFFINIC HYDROCARBON	100 PPM	100 PPM	64742-88-7
Balance non-hazardous ingredients				

SECTION III - PHYSICAL DATA

Boiling Point	IBP 345 DEG. F	pH (Conc.)	N/A
Solubility In Water	Emulsifies	pH (Use Dilution)	N/A
% Volatility By Weight	<90	Evaporation Rate	Ether= 1 >1
Specific Gravity	0.805	Physical Form	Liquid
Appearance And Odor	Clear, colorless; citrus solvent		

SECTION IV - FIRE AND EXPLOSION DATA INGREDIENTS/IDENTITY

Flash Point	145 deg. F
Extinguishing Media	Alcohol foam, carbon dioxide, dry chemical, water fog.
Flammable Limits	Lower-0.7% upper-6.0%
Special Fire Fighting Procedures	Wear self-contained breathing apparatus with a full face piece operated in the positive pressure mode when fighting fires.
Unusual Fire and Explosion Hazards	Vapors are heavier than air and may travel along the ground and be ignited by flames and ignition sources distant from material handling point.

SECTION V - REACTIVITY DATA

Stability	Stable
Conditions to Avoid	Heat and open flames
Incompatibility	Oxidizing agents
Hazardous Decomposition Products	Carbon monoxides and carbon dioxide
Hazardous Polymerization	Will not occur

SECTION VI - HEALTH HAZARD			
Routes(s) of Entry	Inhalation?	No	Skin?
			No
Ingestion?	No		No
Health Hazards (Acute and Chronic)	Eyes: Can cause moderate to severe irritation. Skin: Prolonged contact can cause moderate irritation, can cause dermatitis on prolonged contact. Inhalation: Excessive breathing of vapors may cause headache and respiratory irritation ingestion: may cause diarrhea, nausea, vomiting.		
Carcinogenicity	NTP	No	IARC
			No
			OSHA Regulated?
			No
Emergency Aid and First Aid Procedures	Eyes: Flush with water for 15 minutes occasionally lifting the lower and upper lids. Get medical attention if irritation persists. Inhalation: Move exposed person to fresh air. Ingestion: Call a physician immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.		
SECTION VII - SPILL OR LEAK PROCEDURES			
Spill Response	For large spill notify emergency response personnel. Evacuate area and remove ignition sources. Build dike to contain flow. Remove free liquid, do not flush to sewer or open water. Pick up with inert absorbent and place in closed container for disposal.		
Waste Disposal Method	Utilize licensed waste disposal company. Consider recycling or incineration. Utilize permitted hazardous waste disposal site or industrial waste disposal site as appropriate.		
SECTION VIII - SPECIAL PROTECTION INFORMATION			
Eye Protection	Safety glasses		
Skin Protection	Gloves: Nitrile or neoprene.		
Ventilation	Maintain local ventilation to keep TLV's of components below the thresholds.		
Respiratory Protection	Required only in areas of high vapor concentrations or in areas with little ventilation.		
Other Protection	Neoprene aprons if used in large quantities.		
SECTION IX - SPECIAL PRECAUTIONS			
Precautions in Handling and Storage	Containers of this product may be hazardous when emptied because of residues (vapors).		
Other Precautions	Store at room temperature. Keep containers closed when not in use. Do not allow product		
PREPARED BY: David Brunton, Chemist			
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