

MATERIAL SAFETY DATA SHEET

PENETRATING OIL & LUBRICANT

I. PRODUCT AND MANUFACTURER INFORMATION	
Product name	PENETRATING OIL & LUBRICANT
Chemical name	NA
Synonyms	NA
CAS number	NE
Manufacturer	Ashburn Chemical Technologies 2911 Rusk Houston, TX 77003
Emergency phone number	713-425-3000
Date of last revision	10/03/07

II. HAZARDOUS INGREDIENTS					
HAZARDOUS COMPONENT	CAS NUMBER	% Optional	OSHA PEL	ACGIH TLV	CHEMICAL AND/OR COMMON NAME(S)
Mineral Seal Oil	64742-80-9		5 mg/m3	5 mg/m3	
Mineral Spirits	8052-41-3		100 ppm	500 ppm	

III. PHYSICAL AND CHEMICAL CHARACTERISTICS	
Boiling point @ 760 mm Hg	105+ °F
Vapor pressure at 20 °C	<10
Vapor density (air = 1)	>1
Solubility in water	0%
Appearance and odor	Amber liquid, petroleum odor
Specific gravity (H ₂ O = 1.0)	0.80
Melting point	NA
Evaporation rate (butyl acetate = 1)	<1

IV. FIRE AND EXPLOSION HAZARD DATA			
Combustible/Not combustible	Combustible		
Flammable/Not flammable	Not flammable		
Pyrophoric/Not pyrophoric	Not pyrophoric		
Explosive/Not explosive	Not explosive		
Flash point (test method)	145 °F (TCC)		
Flammable limits (in Air % by volume)		LEL: 1.0	UEL: 6.0
Extinguishing media	Foam, dry chemical, CO ₂ . CAUTION: Water may spread fire.		
Special fire-fighting procedures or equipment	Same as for petroleum products		
Unusual fire and explosion hazards	Containers heated by fire can explode		

V. REACTIVITY DATA	
Material is stable/unstable	Stable.
Conditions to avoid	Sources of ignition
Incompatibility (materials to avoid)	Avoid contact with strong oxidizers
Hazardous decomposition or by-products	Incomplete combustion may produce carbon monoxide and other asphyxiants
Hazardous polymerization will/will not occur	Will not occur.

VI. HEALTH HAZARD DATA	
Note: data applies to the concentrate. Health hazard potential is reduced at use concentrations, if applicable.	
Threshold limit value	TLV for this product not established. Refer to the hazardous materials list for TLV of individual ingredients.
Primary route(s) of entry	Inhalation, Ingestion
Known Hazards Under 29 CFR 1910.1200	
Mutagenic (genetic defects)	NONE
Reproductive	NONE
Systemic	NONE
Teratogenic (birth defects)	NONE
Carcinogen listed in:	
NTP (National Toxicology Program)	NO
IARC Monographs	NO
OSHA	NO
Signs and symptoms of exposure	
Inhalation	May cause headache, dizziness, nausea, nasal and respiratory irritation
Skin contact	Prolonged contact may cause drying of skin
Eye contact	May cause eye irritation
Ingestion	Single dose oral toxicity is considered to be low. Small amounts swallowed incidental to normal handling are not likely to cause injury; however, small amount aspirated into lungs during ingestion may cause pulmonary injury.
Emergency first aid procedures	
Inhalation	Remove to fresh air and contact a physician
Skin contact	Wash off thoroughly with soap and water. Remove contaminated clothing and launder before re-use. Discard contaminated leather gloves and shoes.
Eye contact	Flush with water for 15 minutes. Seek medical attention.
Ingestion	If swallowed, do not induce vomiting. Contact physician immediately. Never give anything by mouth to an unconscious person.
Medical conditions generally aggravated by exposure	Persons with pre-existing skin disorders should avoid contact with this product.
Notes to physician	Treatment of overexposure should be directed toward the control of symptoms and the clinical condition.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE		
Steps to take if released or spilled	Remove ignition sources. Ventilate area and Contain spill. Use absorbent material to soak up or mop up and place in closed container for disposal.	
Waste disposal method	Use approved treatment, transporters and disposal sites in accordance with local, state and federal laws. Do not flush to storm or sanitary sewer.	
Precautions for handling and storing	Combustible liquid. Store below 120°F away from flames, sparks, or hot surfaces. Never cut or weld on containers. Use only in well ventilated area.	
Other precautions	For industrial use only. Affix warning labels on containers in accordance with 29 CFR 1910.1200	
Hazard ratings	NFPA	HIMS
Health	2	2
Flammability	2	2
Reactivity	0	0
Personal protection		B

VIII. CONTROL MEASURES	
Protective gloves (type and material)	Not normally required under normal working conditions. Use chemical-resistant gloves in situations of overexposure.
Eye protection	Wear safety glass or goggles if potential for eye contact exists.
Other protective clothing or equipment	Not normally required.



Respiratory protection (specify type)	Not needed under recommended conditions.
Ventilation and conditions	
Local	Yes
Mechanical	Recommended to prevent concentration of vapors
Other	None
Special	None
Work/hygienic practices	Do not wear contaminated clothing. Wash hands prior to eating, drinking, smoking or use of restroom and when leaving work.

IX. ADDITIONAL REGULATORY INFORMATION	
SARA hazard category (Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III))	None
Toxic chemical(s) subject to the supplier notification requirements of section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA) and the requirements of 40 CFR part 372	None
Ingredient(s) regulated under the Clean Air Act Section 112 hazardous air pollutants and subject to all reporting requirements of CERCLA (Superfund)	None

NA – not applicable NR – not reported ND – not determined NE – not established UN – unknown

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