MATERIAL SAFETY DATA SHEET

APEX 9500 WATER SOLUBLE CUTTING OIL

I. PRODUCT AND MANUFACTURER INFORMATION	
Product name	**APEX 9500 WATER SOLUBLE CUTTING OIL**
Chemical name	PETROLEUM OIL
Synonyms	SOLUBLE CUTTING OIL
CAS number	
Manufacturer	Ashburn Chemical Technologies 2911 Rusk Houston, TX 77003
Emergency phone number	713-425-3000
MSDS prepared by	
Date of last revision	1/3/03

II. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% Optional	OSHA PEL	ACGIH TLV	CHEMICAL AND/OR COMMON NAME(S)
Severely hydro-treated light naphthenic distillate	64742-53-6		5mg/m3	5mg/m3	Petroleum Oil
Chlorinated paraffins	63449-39-8 (Blend)		5mg/m3	5mg/m3	chloroalkanes

III. PHYSICAL AND CHEMICAL CHARACTERISTICS	
Boiling point @ 760 mm Hg	N/D
Vapor pressure at 20 °C	N/D
Vapor density (air = 1)	N/D
Solubility in water	Complete, Forms Emulsion
Appearance and odor	Blue Green Transparent Liquid
Specific gravity (H_2O = 1.0)	0.93
pH of solution @ 10:1	9.4
Melting point	N/D
Evaporation rate (butyl acetate = 1)	<1

IV. FIRE AND EXPLOSION HAZARD DATA			
Combustible/Not combustible	Not combustible		
Flammable/Not flammable	Not flammable		
Pyrophoric/Not pyrophoric	Not pyrophoric		
Explosive/Not explosive	Not explosive		
Flash point (test method)	300F PMCC		
Flammable limits (in Air % by volume)	N/D		
Extinguishing media	Water spray, foam or carbon dioxide		
Special fire-fighting procedures or equipment	Intense heat can cause drums to rupture. Cool fire-exposed containers with water. Treat as hot oil. Fire Fighters should wear NIOSH approved self-contained breathing apparatus.		
Unusual fire and explosion hazards	Intense heat can cause drums to rupture. Cool fire-exposed containers with water.		

V. REACTIVITY DATA	
Material is stable/unstable	Stable
Conditions to avoid	Strong oxidizers
Incompatibility (materials to avoid)	Strong oxidizers
Hazardous decomposition or by-products	Thermal decomposition may cause asphyxiants.
Hazardous polymerization will/will not occur	Will not occur

VI. HEALTH HAZARD DATA	
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)	No adverse effects expected
Reproductive	No adverse effects expected
Systemic	None known
Teratogenic (birth defects)	No adverse effects expected
Carcinogen listed in:	
NTP (National Toxicology Program)	NO
IARC Monographs	NO
OSHA	NO
Signs and symptoms of exposure	
Inhalation	If TLV is exceeded, inhalation of oil mist is harmful and may cause lung damage.
Skin contact	No irritation under normal conditions.
Eye contact	Contact may cause irritation
Ingestion	May cause nausea
Emergency first aid procedures	
Inhalation	Remove to fresh air. If symptoms persist, consult a physician.
Skin contact	Wash off with soap and water
Eye contact	Flush with large amounts of water.
Ingestion	Do not induce vomiting. Do not administer liquids. Obtain medical assistance.
Medical conditions generally aggravated by exposure	
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	Treat as an oil spill. Dike area. Clean up with adsorbents. Do not flush into drain or sewers. Place in a DOT approved container for disposal.	
Waste disposal method	According to federal, state and local regulations.	
Precautions for handling and storing	Launder contaminated clothing before reuse. Avoid prolonged breathing of mist and vapors. Use as directed. Normal precautions common to good manufacturing should be followed in handling and storing. Store away from food. Wash hands before eating, drinking, or smoking.	
Other precautions		
Hazard ratings	Not Hazardous	
Health	1	
Flammability	1	
Reactivity	0	
Personal protection	B	

VIII. CONTROL MEASURES	
Protective gloves (type and material)	Oil resistant gloves for prolonged or repeated contact.
Eye protection	Safety glasses or goggles.
Other protective clothing or equipment	
Respiratory protection (specify type)	None normally required. If TLV is exceeded, use NIOSH approved respirator.
Ventilation and conditions	
Local	Local exhaust ventilation may be necessary if misting is generated.
Mechanical	
Other	
Special	
Work/hygienic practices	Launder contaminated clothing before reuse. Avoid prolonged breathing of mist and vapors. Use as directed. Normal precautions common to good manufacturing should be followed in handling and storing. Store away from food. Wash hands before eating, drinking, or smoking.

IX. ADDITIONAL REGULATORY INFORMATION	
SARA hazard category (Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III)	Delayed (Chronic) Health Hazard
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	Polychlorinated Alkanes
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

The information presented in this MSDS has been compiled from sources deemed reliable. This MSDS is presented in good faith and believed to be accurate as of the effective date shown above. No warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the responsibility of the buyer to insure compliance with federal, state, provincial and local laws and regulations.