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Version

1. IDENTIFICATION

Product Identifier

Product Name APEX 9850 WATER SOLUBLE CUTTING OIL

Other means of identification

SDS #

Item # A-9850-05

Recommended use of the chemical and restrictions on use

Recommended Use Metalworking Lubricant

Details of the supplier of the safety data sheet

Supplier Address

Ashburn Chemical Technologies
 7403 Wright Rd
 Houston, TX 77041

Emergency Telephone Number

Company Phone Number 832-399-1000

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Transparent, yellow

Physical State Liquid

Odor Mild petroleum

Classification

Serious eye damage/eye irritation	Category 2B
Skin sensitization	Category 1

Signal Word

WARNING

Hazard Statements

Causes serious eye irritation

May cause an allergic skin reaction



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a poison center or doctor/physician
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reusing
If skin irritation occurs: Get medical attention.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Harmful to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Mineral Oil, Hydrotreated (heavy) Naphthanic	64742-52-5	60-80
4-Chloro-m-cresol	59-50-7	< 1.0

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin Contact	Wash contact areas with soap and water. Remove contaminated clothing and wash before reuse. If skin irritation persists, call a physician.
Inhalation	Remove person to fresh air and keep at a comfortable position for breathing. Get medical advice/attention if you feel unwell or are concerned.
Ingestion	Do not induce vomiting without medical advice. Seek immediate medical attention/advice.
Symptoms	May cause eye, skin and respiratory tract irritation. The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin. May include pain or irritation, eye watering, redness, mouth/throat/stomach irritation
Notes to Physician	May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames. DO NOT use stream of water (could cause fire to spread).
Hazardous Combustion Products	A mixture of airborne solids, liquids and gases including smoke, fumes, carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion..
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid breathing dust/fume/gas/mist/vapors/spray See SECTION 8 for Personal Protective Equipment
Environmental Precautions	Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water. Prevent further leakage or spillage if safe to do so. See SECTION 12 for Ecological Information
Methods for Clean-Up	Absorb or cover with dry earth, sand or other non-combustible material. Sweep up absorbed material and shovel into suitable containers for disposal. If the product contaminates rivers and lakes or drains inform respective authorities. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See SECTION 13 for Waste Disposal

7. HANDLING AND STORAGE

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. See SECTION 8 for Personal Protection. See SECTION 2 for Precaution Statements.
Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store in open or unlabeled containers. Store away from heat and open flame. Storage temperature > 40 °F.
Incompatible Materials	Oxidizing agents. Strong alkalis. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH	OSHA	NIOSH STEL
Mineral Oil, Hydrotreated (heavy) Naphthanic	TWA: 5 mg/m ³ STEL: 10 mg/m ³	PEL: 5 mg/m ³ 8 hours (mist).	STEL: 10 mg/m ³ 15 minutes.

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

NIOSH: National Institute for Occupational Safety and Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

Appropriate engineering Control

Adequate ventilation.
Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses with side shields.
Skin Protection	Wear suitable protective clothing and chemical resistant gloves.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas.
General Hygiene Considerations	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. Remove contaminated clothing and launder before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild
Appearance	Clear	Odor Threshold	Not determined
Color	Yellow tint		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8.8-9.2	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	148.88 °C / 300 °F	
Flash Point	Not flammable	
Evaporation Rate	< 1.0	(butyl acetate = 1)
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	> 1.0	@68° F(20°C)
Vapor Density	> 1.0	(Air=1)
Specific Gravity	0.92-0.94	(1=Water)
Water Solubility	Emulsifiable	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content (%)	Not determined	

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Incompatible Materials.
Incompatible Materials	Strong Acid, Strong oxidizing agents
Hazardous Decomposition Products	Thermal decomposition and combustion are not expected to occur except under extreme conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	May cause eye irritation.
Skin Contact	May cause skin irritation.
Inhalation	May cause irritation to the mucous membranes and upper respiratory tract.
Ingestion	May cause gastrointestinal irritation or diarrhea.

Component Information

Chemical Name	Result	Species	Exposure
4-Chloro-m-cresol 59-50-7	-	> 2000 mg/kg (Rat)	> 0.583 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Carcinogenic potential is unknown.

Numerical measures of toxicity Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity May be harmful to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
4-Chloro-m-cresol 59-50-7	10: 96 h Desmodesmus subspicatus mg/L EC50 4.2: 72 h Desmodesmus subspicatus mg/L EC50	3.11 - 5.27: 96 h Pimephales promelas mg/L LC50 flow-through 1000 - 10000: 96 h Pimephales promelas µg/L LC50 static 5.81 - 7.76: 96 h Poecilia reticulata mg/L LC50 917: 96 h Oncorhynchus mykiss µg/L LC50 static	EC50 = 0.27 mg/L 5 min EC50 = 0.28 mg/L 15 min EC50 = 0.34 mg/L 30 min EC50 = 23 mg/L 60 h	2: 48 h Daphnia magna mg/L EC50 1.13 - 1.94: 48 h Daphnia magna mg/L EC50 Static

Persistence/Degradability Biodegradation: Expected to be slowly biodegradable. Natural carbon dioxide will slowly neutralize this material.

Bioaccumulation No data available

Mobility No data available

Chemical Name	Partition Coefficient
4-Chloro-m-cresol	3.02

Other Adverse Effects No data available

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA waste number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
4-Chloro-m-cresol 59-50-7	U039	Included in waste streams: F039, K001		U039

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
4-Chloro-m-cresol 59-50-7	Category II - Semi-volatiles			

14. TRANSPORT INFORMATION

Note	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
DOT	Not regulated
IATA	Not regulated
IMDG	
Marine Pollutant	This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories TSCA : Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
4-Chloro-m-cresol 59-50-7	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values
4-Chloro-m-cresol - 59-50-7	59-50-7	1-5	0.8 %

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
4-Chloro-m-cresol 59-50-7 (1-5)		X	X	

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
4-Chloro-m-cresol 59-50-7	X	X	X

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	Not determined

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Disclaimer

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End of Safety Data Sheet