

## MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	MINERAL OIL LIGHT		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.	859 254 1221
	944 Nandino Blvd.	Fax No.:	859 255 5532
	Lexington, KY 40511	e-mail:	<a href="mailto:inform@neogen.com">inform@neogen.com</a>
Date Prepared or Revised: 11/15/05			

Section II – Hazardous Ingredients / Identity Information			
Hazardous Components (Specific Chemical Identity: Common Names)	OSHA PEL (Permissible Exposure Limits)	ACGIH TLV (Threshold Limit Value)	Toxicity Data LD <sub>50</sub>
White Mineral Oil			

Section III – Physical Characteristics	
Boiling Point: 580-600° F	Specific Gravity (H <sub>2</sub> O = 1): 0.84
Vapor Pressure (mm Hg.): <1	Melting Point:
Vapor Density (AIR = 1): N/A	Evaporation Rate (Butyl Acetate = 1): <1
Solubility in Water: Soluble in Hydrocarbons	
Appearance and Odor: Clear Liquid, Odorless.	

Section IV – Fire and Explosion Hazard Data	
Flash Point ( <i>Method Used</i> ): APPROX. 335° F (COC)	Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A
Extinguishing Media: Dry Chemical, Foam or Carbon Dioxide	
Special Fire Fighting Procedures: WATER MAY BE INEFFECTIVE BUT MAY BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAME. CAUTION SHOULD BE EXERCISED WHEN USING WATER OR FOAM AS FROTHING MAY OCCUR, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID	
Unusual Fire and Explosion Hazards: DENSE SMOKE MAY BE GENERATED WHILE BURNING. CARBON MONOXIDE, CARBON DIOXIDE AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid:
	Stable	X	
Incompatibility ( <i>Materials to Avoid</i> ): MAY REACT WITH STRONG OXIDIZING AGENTS			
Hazardous Decomposition or Byproducts: NONE			
Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
Health Hazards (Acute and Chronic)	ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO OIL MIST POSES A RISK OF PULMONARY DISEASE SUCH AS CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH AND COUGH ARE THE MOST COMMON SYMPTOMS. ASPIRATION MAY LEAD TO CHEMICAL PNEUMONITIS WHICH IS CHARACTERIZED BY PULMONARY EDEMA AND HEMORRHAGE, AND MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATION RATE, INCREASED HEART RATE, AND A BLUISH DISCOLORATION OF THE SKIN. COUGHING, CHOKING, AND GAGGING ARE OFTEN NOTED AT THE TIME OF ASPIRATION. GASTROINTESTINAL DISCOMFORT MAY DEVELOP, FOLLOWED BY VOMITING, WITH A FURTHER RISK OF ASPIRATION.		
Carcinogenicity: NTP? (National Toxicology Program)	IARC Monographs? (International Agency for Research in Cancer)	OSHA Regulated?	
Signs and Symptoms of Exposure: <b>INGESTION</b> IS RELATIVELY NON-TOXIC UNLESS ASPIRATION OCCURS. THIS PRODUCT HAS LAXATIVE PROPERTIES AND MAY RESULT IN ABDOMINAL CRAMPS AND DIARRHEA. SEE HEALTH DATA INFORMATION. <b>INHALATION</b> : THIS PRODUCT HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS. CAUTION SHOULD BE TAKEN TO PREVENT AEROSOLIZATION OR MISTING OF THIS PRODUCT. THE THRESHOLD LIMIT VALUE (TLV) FOR THIS PRODUCT AS OIL MIST IS 5 mg/m (3). EXPOSURES BELOW 5 mg/m (3) APPEAR TO BE WITHOUT SIGNIFICANT HEALTH RISK. <b>EYE CONTACT</b> : THIS PRODUCT IS NON-IRRITATING TO THE EYES UPON DIRECT CONTACT. <b>SKIN CONTACT</b> : THIS PRODUCT IS NOT EXPECTED TO CAUSE ANY SKIN IRRITATION UPON DIRECT SINGLE OR REPEATED AND PROLONGED CONTACT. HOWEVER, SIMILAR CHEMICAL COMPOSITION PRODUCTS APPLIED TO THE SKIN OF LABORATORY ANIMALS RESULTED IN MINIMAL TO SLIGHT DERMAL IRRITATION.			
Medical Conditions Generally Aggravated by Exposure:			
Emergency / First Aid Procedures	Ingestion: MAY ACT AS A LAXATIVE. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, HOLD HEAD BELOW HIPS TO PREVENT ASPIRATION.		
	Inhalation: THIS MATERIAL HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION EXPOSURE AT AMBIENT CONDITIONS. IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLES, REMOVE VICTIM FROM EXPOSURE. . IF BREATHING HAS STOPPED OR IS IRREGULAR, ADMINISTER ARTIFICIAL RESPIRATION AND SUPPLY OXYGEN IF IT IS AVAILABLE. IF VICTIM IS UNCONSCIOUS, REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION.		
	Eye Contact: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE FLUSHING FOR 15 MINUTES, HOLDING EYELIDS APART TO ENSURE FLUSHING OF THE ENTIRE EYE SURFACE. IF MATERIAL IS HOT, TREAT FOR THERMAL BURNS AND TAKE VICTIM TO HOSPITAL IMMEDIATELY.		
	Skin Contact: REMOVE CONTAMINATED CLOTHING. IF MATERIAL IS HOT, SUBMERGE INJURED AREA IN COLD WATER, IF VICTIM IS SEVERELY BURNED REMOVE TO A HOSPITAL IMMEDIATELY. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.		

Section VII – Precautions for Safe Handling and Use
Accidental Release Measures: CONSULT HEALTH HAZARD INFORMATION SECTION, SPECIAL PROTECTION INFORMATION SECTION, FIRE AND EXPLOSION HAZARD INFORMATION SECTION AND REACTIVITY DATA SECTION. NOTIFY APPROPRIATE AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERSOURCES. REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, OR OTHER MEANS AND PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

Waste Disposal Method: ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. **CAUTION!** IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED. WASTE MATERIAL MAY BE LANDFILLED OR INCINERATED AT AN APPROVED FACILITY. MATERIALS SHOULD BE RECYCLED IF POSSIBLE.

Handling and Storage: DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OR OPEN FLAME.

Other Precautions:

### Section VIII – Control Measures

Respiratory Protection (Specify Type): RESPIRATORY PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, USE AN ORGANIC VAPOR RESPIRATOR WITH A DUST AND MIST FILTER. ALL RESPIRATORS MUST BE NIOSH CERTIFIED. DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON ATMOSPHERES.

Ventilation	Local Exhaust: IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLES, ADEQUATE VENTILATION IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE MUST BE PROVIDED TO MAINTAIN CONCENTRATIONS BELOW THE SPECIFIED EXPOSURE OR FLAMMABLE LIMITS.	Special:
	Mechanical (General):	Other:

Protective Gloves:	Eye Protection: EYE PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF MATERIAL IS HANDLES SUCH THAT IS COULD BE SPLASHED INTO EYES, WEAR PLASTIC FACE SHIELD OR SPLASH-PROOF SAFETY GOGGLES.
--------------------	--

Other Protective Clothing or Equipment: NO SKIN PROTECTION IS REQUIRED FOR SINGLE, SHORT DURATION EXPOSURES. FOR PROLONGED OR REPEATED EXPOSURES, USE IMPERVIOUS SYNTHETIC CLOTHING (BOOTS, APRONS, ETC) OVER PARTS OF THE BODY SUBJECT TO EXPOSURE. IF HANDLING HOT MATERIAL USE INSULATED PROTECTIVE CLOTHING (BOOTS, GLOVES, APRONS, ETC.).

Work / Hygienic Practices: CONSUMPTION OF FOOD OR BEVERAGE SHOULD BE AVOIDED IN WORK WHERE HYDROCARBONS ARE PRESENT. ALWAYS WASH HANDS AND FACE WITH SOAP AND WATER BEFORE EATING, DRINKING OR SMOKING.

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.