

CHEM AND LUBE		MATERIAL SAFETY DATA SHEET			ADDRESS: 1901 S. 12 TH ST ALLENTOWN, PA 18103	
PRODUCT IDENTIFICATION	PRODUCT NAME CHEM AND LUBE GEAR OIL			Code No.		Emergency Phone Number(s) Business: (610) 798-9222 Other:
	SYNONYMS					12/04
						Chemical Family PETROLEUM
INGREDIENTS	MATERIALS OR COMPONENTS		%W	CAS NUMBER		CARCINOGEN OSHA OR IARC
SHIPPING INFORMATION						
PHYSICAL PROPERTIES	Boiling Point/Range °C 735 °F		Melting Point °C NA °F		Freezing Point °C NA °F	
	Molecular weight (Calculated)		Specific Gravity (H ₂ O=1) 0.887		Vapor Pressure (mm Hg) °C <.01 °F	
	Vapor Density (Air=1)		Solubility in H ₂ O NIL		% Volatiles by Volume NA	
	Evaporation Rate VERY SLOW		Appearance and Odor DARK AMBER		Other	
				<input type="checkbox"/> Either = 1 <input type="checkbox"/> Water = 1 <input type="checkbox"/> Butylacetate =1		
FIRE AND EXPLOSION DATA	Flash Point Base Oil °C 505 °F		Test Method		Flammable Limits	
	Autoignition Temperature/Fire Point °C °F		Lower NA % Upper %			
	EXTINGUISHING MEDIA					
	<input type="checkbox"/> Water-spray <input checked="" type="checkbox"/> Water-fog <input type="checkbox"/> Water-stream <input checked="" type="checkbox"/> CO ₂ <input checked="" type="checkbox"/> Dry chemical <input type="checkbox"/> Alcohol foam <input checked="" type="checkbox"/> Foam <input type="checkbox"/> Earth or sand					
SPECIAL FIRE FIGHTING PROCEDURES						
<input type="checkbox"/> Do not enter Building <input type="checkbox"/> Allow fire to burn <input type="checkbox"/> Water may cause frothing <input type="checkbox"/> Do not use water CONTAINED BREATHING DEVICE						
UNUSUAL FIRE AND EXPLOSION HAZARDS						
<input type="checkbox"/> Dust explosion Hazard <input type="checkbox"/> Sensitive to shock <input type="checkbox"/> Contamination <input type="checkbox"/> Temperature <input type="checkbox"/> Other (Specify): N/A						
REACTIVITY DATA	STABILITY			CONDITIONS CONTRIBUTING TO INSTABILITY		
	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable			<input type="checkbox"/> Thermal decomposition <input type="checkbox"/> Photo degradation <input type="checkbox"/> Polymerization <input type="checkbox"/> Contamination		
	INCOMPATIBILITY - Avoid contact with					
	<input type="checkbox"/> Strong Acids <input type="checkbox"/> Strong Alkalis <input checked="" type="checkbox"/> Strong Oxidizers <input type="checkbox"/> Other (Specify):					
HAZARDOUS DECOMPOSITION PRODUCTS - THERMAL AND OTHER (list) CO, CO2 AND ASPHYXIANTS						
CONDITIONS TO AVOID						
<input type="checkbox"/> Heat <input checked="" type="checkbox"/> Open Flames <input checked="" type="checkbox"/> Sparks <input checked="" type="checkbox"/> Ignition sources <input type="checkbox"/> Other (specify):						
SPILL OR LEAK	STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED					
	<input type="checkbox"/> Flush with Water <input checked="" type="checkbox"/> Absorb with sand or inert material <input type="checkbox"/> Neutralize <input type="checkbox"/> Sweep or scoop up and remove <input type="checkbox"/> Keep upwind Evacuate enclosed spaces. <input checked="" type="checkbox"/> Prevent Spread or spill					
WASTE DISPOSAL METHOD - Consult federal, state, or local authorities for proper disposal procedures. ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS.						

NA - Not Applicable

CONTINUED ON REVERSE SIDE



TOXICITY INFORMATION	CONDITIONS TO AVOID		
	PRIMARY ROUTES OF ENTRY <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> SKIN CONTACT <input checked="" type="checkbox"/> OTHER (Specify) INGESTION		
	This product has been used for years with no known ill effects. It contains no known carcinogens or mutagens as defined by OSHA or IARC.		
	This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):		
	<u>CAS#</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>

HEALTH HAZARD INFORMATION	NFPA Rating	Health 0 Flammability 1 Reactivity 0	
	Effects of Exposure	PERMISSIBLE EXPOSURE LIMIT (Specify if TLV/TWA or Ceiling [c])	N/A
		IRRITATION	<input checked="" type="checkbox"/> Skin <input type="checkbox"/> Severe <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Mild (Transient) <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Severe <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Mild (Transient)
		CORROSIVITY	<input type="checkbox"/> Skin <input type="checkbox"/> 4 hrs. (DOT) <input type="checkbox"/> 24 hrs (CPSC) <input type="checkbox"/> Eye <input type="checkbox"/> May cause blindness <input checked="" type="checkbox"/> Not Corrosive
		SENSITIZATION	<input type="checkbox"/> Skin <input type="checkbox"/> Respiratory <input type="checkbox"/> None
		INHALATION EFFECTS	<input type="checkbox"/> Narcotic effect <input type="checkbox"/> Cyanosis <input type="checkbox"/> Asphyxiant
		LUNG EFFECTS (Specify):	N/A
	OTHER (Specify):	<input type="checkbox"/> Repeated contact-skin defatter <input type="checkbox"/> Other (Specify)	
	Emergency First Aid	INGESTION	<input type="checkbox"/> Induce vomiting <input checked="" type="checkbox"/> DO NOT induce vomiting <input type="checkbox"/> Give plenty of water <input checked="" type="checkbox"/> Get medical attention <input type="checkbox"/> Other (Specify):
		DERMAL	<input checked="" type="checkbox"/> Flush with soap and water <input type="checkbox"/> Get medical attention <input type="checkbox"/> Contaminated clothing-remove & launder <input type="checkbox"/> Contaminated shoes - destroy <input type="checkbox"/> Other (Specify)
EYE CONTACT		<input checked="" type="checkbox"/> Flush with plenty of water for at least 15 minutes <input checked="" type="checkbox"/> Get medical attention <input type="checkbox"/> Other (Specify):	
INHALATION		<input checked="" type="checkbox"/> Remove to fresh air <input type="checkbox"/> If not breathing give artificial respiration <input type="checkbox"/> Give oxygen <input type="checkbox"/> Get medical attention <input type="checkbox"/> Other (Specify):	

SPECIAL PROTECTION INFORMATION	VENTILATION REQUIREMENTS - Always maintain exposure below permissible exposure limits		
	<input type="checkbox"/> Consult an industrial hygienist or environmental health specialist <input checked="" type="checkbox"/> Local exhaust <input type="checkbox"/> Use with adequate ventilation <input type="checkbox"/> Check for air contamination and oxygen deficiency <input type="checkbox"/> Other (Specify):		
	EYE	<input checked="" type="checkbox"/> Safety glasses <input type="checkbox"/> Face Shield <input checked="" type="checkbox"/> Goggles	HAND (GLOVE TYPE)
	<input type="checkbox"/> Polyvinyl chloride <input checked="" type="checkbox"/> Neoprene <input type="checkbox"/> Butyl Rubber <input type="checkbox"/> Natural rubber <input type="checkbox"/> Polyvinyl alcohol <input type="checkbox"/> Polyethylene <input type="checkbox"/> Other (Specify):		
RESPIRATOR TYPE - Use only NIOSH / MESA approved equipment			
<input type="checkbox"/> Self-contained <input type="checkbox"/> Supplied air <input type="checkbox"/> Can or cartridge gas or vapor <input checked="" type="checkbox"/> Filter-dust, fume, mist <input type="checkbox"/> Other (Specify):			
OTHER PROTECTIVE EQUIPMENT			
<input type="checkbox"/> Rubber boots <input type="checkbox"/> Apron <input type="checkbox"/> Other (specify):			

SPECIAL PRECAUTIONS	PRECAUTIONARY NOTES		
	<input checked="" type="checkbox"/> Wash Thoroughly after handling <input type="checkbox"/> Do not get in eyes, or on clothing <input checked="" type="checkbox"/> Do not breathe dust, vapor, mist, gas <input checked="" type="checkbox"/> Keep container closed <input checked="" type="checkbox"/> Keep away from sparks, and open flames <input type="checkbox"/> store in tightly closed containers <input type="checkbox"/> Do not store near Combustibles <input type="checkbox"/> Keep from contact with clothing and other combustible materials <input checked="" type="checkbox"/> Empty container may contain hazardous residues <input type="checkbox"/> Use explosion proof equipment <input type="checkbox"/> Other (Specify):		
Other handling and storage conditions Do Not Transfer The Material To Unmarked Containers/			

Prepared by	Date	Address	Phone
	8/94	1901 S. 12 TH ST, ALLENTOWN, PA 18103	(610) 798-9222

PLEASE NOTE "The above information is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, CHEM AND LUBE MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use."