

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health
 Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

Identity (As used on Label and List) CLIMAX FL-5	Note: Blank spaces are not permitted. If and item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I

Manufacturer's Name CLIMAX LUBRICANTS & EQUIPMENT CO.	Emergency Telephone Number 281-482-2282
Address (Number, Street City, State and ZIP Code) 7915 EAST ELM ST. HOUSTON, TX (USA) 77012	Telephone Number for Information 713-923-2626
WEB ADDRESS - www.climaxlube.com	Date 01/01/2014
E-MAIL- sales@climaxlube.com Manufactured/Country of Origin - U.S.A.	Signature of Preparer (optional) STEPHEN D. FRAUENBERGER

Section II - Hazardous Ingredients/Identity Information

Hazardous Component (Specific Chem. Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommen ded	% (Optional)
FLUOROCARBON (Polychlorotrifluoroethylene) N/A 80-100		N/A	N/A	
CAS # 9002-83-9.....NON-TOXIC / NON-HAZARDOUS.....NON-PETROLEUM HYDROCARBON				
PYROGENIC SILICA N/A 20-0		N/A	N/A	
CAS # 112945-52-5				
NFPA : HEALTH (1), FLAMMABILITY (0), REACTIVITY (0), SPECIAL (N/A)				

Section III - Physical / Chemical Characteristics

Boiling Point Decomposes > 200 C	N/A	Specific Gravity (H2O=1)	2.00
Vapor Pressure (mm Hg.)	< 0.1	Melting Point	NON- DROPPING
Vapor Density (AIR=1)	N/A	Evaporation Rate (BUTYL ACETATE=1)	N/A
Solubility in Water INSOLUBLE TO NEGLIGIBLE			
Appearance and Odor TRANSLUCENT / ODORLESS			

Section IV - Fire and Explosive Hazard Data

Flash Point (Method Used) NONE	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media NON-FLAMMABLE			
Special Fire Fighting Procedures WEAR A NIOSH / MSHA APPROVED SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. COOL CONTAINERS EXPOSED TO FIRE WITH WATER.			
Unusual Fire and Explosion Hazards THERMAL DECOMPOSITION PRODUCTS ARE TOXIC AND CORROSIVE.			

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid KEEP FROM CONTACT WITH OXIDIZING MATERIALS
	Stable	XXXX X	
Incompatibility (Material to Avoid) REACTS WITH METALS LIKE SODIUM AND POTASSIUM, AMINES, LIQUID FLUORINE AND LIQUID CHLORINE TRIFLUORIDE. CAUTION SHOULD BE TAKEN WHEN USING ON ALUMINUM AND MAGNESIUM UNDER CONDITIONS OF LARGE SHEAR FORCES SUCH AS THOSE FOUND IN THREADED CONNECTIONS.			
Hazardous Decomposition or Byproducts THE DECOMPOSITION TO TOXIC, NON-SLUDGE FORMING VOLATILES OCCURS RAPIDLY AT 325C, NOTICEABLY AT 300C AND IN LESSER AMOUNTS AT LOWER TEMPERATURES. THEREFORE, THE MAXIMUM SAFE OPERATING TEMPERATURE RECOMMENDED IS 200C AND MAXIMUM SHORT TERM TEMPERATURE RECOMMENDED IS 260C IN CLEAN SYSTEMS.			
Hazardous Polymerization	May Occur		Conditions to Avoid NONE SPECIAL
	Will Not Occur	XXXX X	

Section VI - Health Hazard Data

Routes(s) of Entry:	Inhalation?	Skin?	Ingestion?
NO MIST OR VAPOR / MINIMAL - LOW ACUTE DERMAL TOXICITY-LOW ACUTE ORAL TOXICITY			
Health Hazards (Acute and Chronic) NONE KNOWN AT THIS TIME			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENT DESIGNATED BY IARC, NTP, AOGIH OR OSHA AS A POSSIBLE HUMAN CARCINOGEN.			
Signs and Symptoms of Exposure EXPOSURE LIMITS IN AIR: NO EXPOSURE LIMITS ESTABLISHED FOR THIS PRODUCT.			
Medical Conditions Generally Aggravated by Exposure NONE KNOWN			
Emergency and First Aid Procedures			
EYES: USE EYEWASH FOUNTAIN , GET MEDICAL ATTENTION IF IRRITATION DEVELOPES OR PERSISTS.			
SKIN: USE CLEAN CLOTH - WASH W / SOAP & WATER. INHALATION- SEEK MEDICAL ATTENTION.			
INGESTION: INDUCE VOMITING-SEEK MEDICAL ATTENTION. NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled			
WEAR APPROPRIATE PROTECTIVE GEAR. ABSORB ONTO VERMICULITE. SWEEP UP INTO APPROPRIATE			
CONTAINER . WASH SPILL AREA AFTER MATERIAL PICKUP IS COMPLETE WITH AN APPROPRIATE SOLVENT			
LIKE PAINT THINNER.			
Waste Disposal Method			
DISPOSE OF IN ACCORDANCE WITH LOCAL , STATE AND FEDERAL REGULATIONS.			
Precautions to Be Taken in Handling and Storing			
STORE AT ROOM TEMPERATURE IN TIGHTLY CLOSED CONTAINERS. AVOID DIRECT OR			

PROLONGED
CONTACT WITH SKIN AND EYES. WASH HANDS THOROUGHLY AFTER HANDLING. DO NOT RUB EYES
WITH SOILED HANDS. DO NOT EAT, DRINK OR SMOKE IN THE WORK AREA .
Other Precautions
TRANSPORTATION PROCEDURE (NON-REGULATED)
UN-NUMBER: N/A

Section VIII - Control Measures

Respiratory Protection (Specific Type)		
NO SPECIAL RESPIRATORY PROTECTION REQUIRED.		
Ventilation	Local Exhaust USE LOCAL EXHAUST AS NEEDED.	Special MAINTAIN SAFETY EQUIPMENT.
NORMAL	Mechanical (General) PROVIDE ADEQUATE VENTILATION.	Other N/A
Protective Gloves RECOMMENDED OR AS REQUIRED		Eye Protection SAFETY GLASSES WITH SIDE SHIELDS
Other Protective Clothing or Equipment WORK CLOTHING		
Work/Hygienic Practices CLEAN AS NORMAL		