

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 VCS # 2	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 WEB ADDRESS - www.climaxlube.com	Telephone Number for Information 713-923-2626
E-MAIL - sales@climaxlube.com Manufactured/Country of Origin - U.S.A.	Date 01/01/2014 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 Recommended	% (Optional)
CASTOR OIL	N/A	N/A	N/A	40
CAS # 8001-79-4.....NON-TOXIC / NON-HAZARDOUS.....NON-PETROLEUM HYDROCARBON				
PYROGENIC SILICA – CAS # 112945-52-5	N/A	N/A	N/A	20
ISOPROPYL ALCOHOL – CAS # 67-63-0	N/A	N/A	N/A	40
This valve cleaner contains Molybdenum Disulfide (Approx. 10% by weight) CAS# 1317-33-5				
NFPA : HEALTH (1), FLAMMABILITY (0), REACTIVITY (0), SPECIAL (N/A)				

Section III – Physical / Chemical Characteristics

Boiling Point	180 Deg. F	Specific Gravity (H2O=1)	.79
Vapor Pressure (mm Hg.)	32 @ 68 Deg F	Melting Point	NON-DROPPING
Vapor Density (AIR=1)	2.1	Evaporation Rate (BUTYL ACETATE=1)	1.4
Solubility in Water Partial Solubility			
Appearance and Odor BLACK / MILD ODOR			

Section IV – Fire and Explosive Hazard Data

Flash Point (Method Used) +250 DEG. FARENHITE	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media STANDARD DRY CHEMICAL, FOAM, CO-2, WATER-FOG			
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 -NONE-			

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid KEEP FROM CONTACT WITH OXIDIZING MATERIALS
	Stable	XXXXX	
Incompatibility (Material to Avoid) ACIDIC IN NATURE – AVOID ALKALINE CONTACT			
Hazardous Decomposition or Byproducts UNKNOWN			
Hazardous Polymerization	May Occur		Conditions to Avoid NONE SPECIAL
	Will Not Occur	XXXXX	

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 Exposer			
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	Special
	USE LOCAL EXHAUST AS NEEDED.	MAINTAIN SAFETY EQUIPMENT.
NORMAL	Mechanical (General)	Other
	PROVIDE ADEQUATE VENTILATION.	N/A
Protective Gloves		Eye Protection
RECOMMENDED OR AS REQUIRED		SAFETY GLASSES WITH SIDE SHIELDS
Other Protective Clothing or Equipment		
WORK CLOTHING		
Work/Hygienic Practices		
CLEAN AS NORMAL		