


CPI ENGINEERING SERVICES, INC.

SPECIALIZING IN SYNTHETIC LUBRICANT SYSTEMS

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MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME CPI ENGINEERING SERVICES, INC.		EMERGENCY TELEPHONE NO. (517) 496-3780
ADDRESS (Number, Street, P.O. Box and ZIP Code) 2300 James Savage Rd. - PO Box 1924 - Midland, MI 48641-1924		
CHEMICAL NAME AND SYNONYMS Synthetic Hydrocarbon Base Fluid		TRADE NAME AND SYNONYMS CP-4614-32-F
CHEMICAL FAMILY Polyalphaolefin	FORMULA Proprietary	

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Non Hazardous. Product does not contain any known carcinogens. No special label or hazard warnings are required under OSHA 29CFR 1910. Product is approved by USDA for H-1 service in food packing plants.		

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	> 140 °C	> 300 °F	SPECIFIC GRAVITY (H ₂ O=1)	0.8256
VAPOR PRESSURE (mm Hg.)		Negligible	PERCENT VOLATILE BY VOLUME (%)	0
VAPOR DENSITY (AIR=1)		NA	EVAPORATION RATE (_____ = 1)	0
SOLUBILITY IN WATER		Negligible		
APPEARANCE AND ODOR	Colorless, odorless fluid			

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	227 °C (440 °F)	COC	FLAMMABLE LIMITS	Let	Uet
EXTINGUISHING MEDIA	Carbon dioxide, dry chemical foam, water spray (fog)				
SPECIAL FIRE FIGHTING PROCEDURES	Use foam and water spray carefully to prevent excessive frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.				
UNUSUAL FIRE AND EXPLOSION HAZARDS	Slight when exposed to heat or flame; can react with oxidizing materials. Combustible.				

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Observe current ACGIH TLV of 5 mg/m³ for oil mist

EFFECTS OF OVEREXPOSURE Prolonged and repeated contact may irritate the skin of some individuals. Non-toxic to experimental laboratory animals.

EMERGENCY AND FIRST AID PROCEDURES
SKIN CONTACT: remove by wiping and wash with soap and water. **EYE CONTACT:** wash with copious amounts of water. **INHALATION:** remove from exposure to fumes, mists. **INGESTION:** DO NOT INDUCE VOMITING. Seek medical aid.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	NA
INCOMPATIBILITY (Materials to avoid) Strong oxidizing agents (bromates, chlorates, liquid oxygen, etc)			
HAZARDOUS DECOMPOSITION PRODUCTS NA			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	NA

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 Stop flow; skin protection per Sect. VIII; absorb or scrape up; incinerate under controlled conditions; observe governmental spill and water quality regulations; remove soiled clothing.

WASTE DISPOSAL METHOD

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)
 None during normal use - if mist exceeds TLV use respirator

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
	None during normal use	Respirator for mists exceed
	None during normal use	Respirator for mists exceed

PROTECTIVE GLOVES Butyl rubber/
 Polyethylene/ Polyvinyl alcohol

EYE PROTECTION Safety glasses

OTHER PROTECTIVE EQUIPMENT Protective garments as required by company

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
 Normal precautions common to good manufacturing practice should be followed in handling and storage.

OTHER PRECAUTIONS
 Do not wear oil-soaked clothing.

PREPARED BY

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