



MSDS

MATERIAL SAFETY DATA SHEET

Cam & Lifter Installation Lube
Part Numbers 103, 152 and 153

DOT HAZARDOUS CLASSIFICATION: NOT APPLICABLE

NFPA HEALTH HAZARD: 1 FLAMMABILITY: 0 REACTIVITY: 2 PERSONAL PROTECTION: B

SECTION 01-HAZARDOUS INGREDIENTS

	<u>CASE NUMBER</u>	<u>TLV</u>	<u>PEL</u>	<u>%</u>
(HAZARDOUS) COMPONENTS	68649-42-3			10 TO 16
ZINC DITHIOPHOSPHATE				
(NON HAZARDOUS) COMPONENTS	64741-88-4			1 TO 10
PARAFFINIC PETROLEUM OIL	14233-37-5			<1 by weight
ANTHRAQUINONE DYE				

SECTION 02-PHYSICAL DATA

VISCOSITY.....40-48 CsT @ 210° F
BOILING POINT.....680° F
VAPOR PRESSURE (mm Hg).....NA
VAPOR DENSITY (Air=1).....NA
SPECIFIC GRAVITY (Water=1).....0.958

PERCENT VOLATILE BY VOLUME.....NA
EVAPORATION RATE.....NA
SOLUBILITY IN WATER.....INSOLUBLE
APPEARANCE AND ODOR.....RED LIQUID WITH MILD OILY ODOR

SECTION 03-FIRE AND EXPLOSION HAZARDS

FLASH POINT: (ASTM D92) C.O.C. 402° F

UPPER FLAMMABLE LIMIT: NA
LOWER FLAMMABLE LIMIT: NA

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, HALOGENATED AGENTS, FOAM

SPECIAL FIRE FIGHTING PROCEDURES: RECOMMEND WEARING SELF-CONTAINED BREATHING APPARATUS. AVOID BREATHING FUMES.

UNUSUAL FIRE & EXPLOSIVE HAZARDS: TOXIC FUMES, GASSES, OR VAPORS MAY EVOLVE ON BURNING.

SECTION 04-ENVIRONMENTAL AND DISPOSAL INFORMATION

ACTION TO BE TAKEN FOR SPILL/LEAKS: Personal protective equipment must be worn. Ventilate area if spilled in confined spaces or poorly ventilated areas. Check all Federal and State laws for proper methods of hazardous substance spill control.

DISPOSAL METHOD: Material, if discarded, not expected to be a characteristic hazardous waste under RCRA. Disposal should be in compliance with Federal, State, or Local laws. Do not discharge into sewers or waterways. Properly discard bottle after use, never reuse for other purpose.

SECTION 05-HEALTH HAZARD DATA

ORAL TOXICITY: THE LD50 IN RATS IS GREATER THAN 5g/kg. Based on actual data.

EYE IRRITATION: SEVERE EYE IRRITANT. EXPOSURE WILL CAUSE REDNESS, SWELLING AND DISCHARGE FROM EYES. Based on actual data.

SKIN IRRITATION: MODERATE SKIN IRRITANT. PROLONGED CONTACT WILL CAUSE SKIN REACTION. Based on similar materials.

DERMAL TOXICITY: THE LD50 IN RABBITS IS GREATER THAN 2g/kg. Based on actual data.



COMP Cams®
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EXPOSURE LIMITS: THIS PRODUCT CONTAINS 1 TO 10% MINERAL OIL (CAS #8012-95-1). THE OILS IN THIS PRODUCT ARE SEVERELY SOLVENT REFINED AND/OR SEVERELY HYDROTREATED.

TLV=5mg/cubic meter ACGIH STEL=10mg/cubic meter

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush with water for at least 15 minutes. See physician if irritation develops or persists.

SKIN: Wash with soap and water. See physician if irritation develops. Launder contaminated clothing before reuse and discard shoes and other leather articles saturated with the material.

INHALATION: If adverse effects are observed, remove affected person to fresh air. Seek medical attention.

ORAL: Call a physician. Do not induce vomiting.

SECTION 06-REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Acids and strong oxidizers such as chromates, permanganates, and chlorates.

POLYMERIZATION: Will not occur

THERMAL DECOMPOSITION: Smoke, carbon monoxide, aldehydes, carbon dioxide. Oxides of sulfur, oxides of phosphorus, zinc oxides, or oxides of nitrogen can or may be formed or released when burned.

SECTION 07-SPECIAL PROTECTION INFORMATION

VENTILATION: Use adequate ventilation to control mists and vapors.

RESPIRATORY: None required under normal conditions of use.

GLOVES PROTECTION: Neoprene gloves.

EYE PROTECTION: Safety glasses, safety goggles, or face shield.

OTHER PROTECTION: Use of long sleeve shirt is advisable. Remove rings, watches, or similar items that could cause the lubricant to be entrapped on skin surface. Always launder contaminated clothing before reuse.

SECTION 08-SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Keep bottles closed when not in use. Store away from heat, sparks, and open flames. Wash thoroughly after handling. Launder contaminated clothing before reuse.



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