

SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

PRODUCT NAME: GO-15 HF Extreme Pressure Lubricant Additive

SECTION 1 - GENERAL INFORMATION

Manufactured for:
Engineous USA, Inc.
6355 Topanga Canyon Blvd., Suite 321
Woodland Hills, CA 91367

Date prepared: 6/16/2014
Phone: 1-818-346-4615
Emergency: Chemtel: 1-800-255-3924
Contract#MIS0005837
International: 011-813-248-0585

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name	CAS REG.NO.	ACGIH / TLV	OSHA / PEL	OSHA / STEL	PERCENT
Proprietary	N/A	N/A	N/A	N/A	Trade Secret

SARA TITLE III, SECTION 313, SUPPLIER INFORMATION. This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-to Know Act of 1986 and of CFR 372:

NONE

This information must be included in all MSDS's that are copied and distributed for this material.
Other ingredients in this product are: Less than 1% by weight or less than 0.01% for carcinogens.
Not hazardous - Declared to be trade secret.

SECTION 3 - HAZARDS IDENTIFICATION

ROUTE (S) OF ENTRY: EYE: X INHALATION: X SKIN: X INGESTION: X
EXPOSURE LIMITS:

	(Wt.) %	OSHA/PEL	ACGIH/TLV	CAS #
Hydrocarbon Solvent	<10	500ppm	100ppm	8052-41-3

NFPA/HMIS: Health Hazard: 0 Flammability Hazard: 1 Reactivity Hazard: 0 Specific Hazard: NA Personal Protection: B
Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

EYE: Immediately flush eyes with large amounts of water and continue flushing for 15 minutes. Ensure complete flushing by holding the eyelids apart during irrigation. Seek medical attention.

INHALATION: Remove to fresh air. If breathing is impaired, seek medical attention.

SKIN: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.

INGESTION: Give 2 - 3 glasses of water. Induce vomiting. Seek medical attention.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 212°F (PMCC)

UNUSUAL FIRE & EXPLOSION HAZARDS: Combustion can produce acid gases of hydrogen chloride. Extreme heat can cause containers to rupture.

EXTINGUISHING MEDIA: CO₂, foam, or dry chemical B-C.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and operate in a positive pressure mode. Use full protective clothing to prevent contact with skin and eyes. Do not breathe smoke or fumes. Treat as an oil fire. Water can be used to cool containers exposed to the fire.

FLAMMABLE LIMITS: Lower: No data. Upper: No data.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED AND/OR SPILLED: Notify appropriate authorities of spill. Wear appropriate protective gloves, goggles and mask if TWA's are exceeded. Stop any leakage if possible without risk. Contain spill immediately. Remove all sources of ignition. Absorb with appropriate inert material such as sand, clay, etc. Large spill can be picked up using vacuum pumps, shovels, buckets or other means and placed in drums or other suitable containers.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid contact with eyes, skin and clothing. Keep hands away from face. Wash thoroughly after handling. Wear safety goggles with side shields, long sleeves and chemical-resistant gloves. Avoid breathing mists. Use NIOSH/OSHA-approved respirator if TWA levels are exceeded. Use with adequate ventilation.

PRECAUTIONS TO BE TAKEN IN STORAGE: Protect from physical damage. Store in a cool, dry, well-ventilated area away from incompatible materials. Keep away from sparks and flames, as vapors are combustible. Do not mix with strong acids, bases and oxidizing materials. Keep container closed when not in use. Containers, even those that have been emptied, will retain residue and vapors, and should be handled as if they were full. DO NOT cut, mutilate, weld or reuse containers. Read and observe all label precautions.

OTHER PRECAUTIONS: None.

SECTION 8 – PERSONAL SAFETY MEASURES

RESPIRATORY PROTECTION: Use a NIOSH-approved organic vapor respirator if TWA/TLV limits are exceeded.

VENTILATION: Local Exhaust: Use to maintain levels below TWA and/or OSHA limits.

Mechanical: Use non-sparking equipment.

SKIN PROTECTION: No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious synthetic rubber clothing (boots, chemical-resistant gloves, aprons, etc.) over parts of the body subject to exposure.

EYE PROTECTION: Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

OTHER: After handling product, always wash hands and face with soap and water before eating, drinking or smoking.

SECTION 9 - PHYSICAL PROPERTIES

APPEARANCE: Amber liquid

VAPOR DENSITY (Air = 1): 4.8

VAPOR PRESSURE (mmHg): < 1

% VOLATILE BY VOLUME: 15

EVAPORATION RATE (Butyl Acetate=1): < 1

ODOR: Mild odor

BOILING POINT: 300 – 415°F

SPECIFIC GRAVITY: 1.04

SOLUBILITY (H₂O): Not soluble

VISCOSITY, cp, @77°F Spindle, 12 rpm: 800

SECTION 10 – STABILITY AND REACTIVITY DATA

STABILITY: Stable, however, avoid high temperatures and alkalis.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, hydrocarbons and toxic fumes.

SECTION 11 – TOXICOLOGICAL INFORMATION

Long-term toxicological studies have not been conducted for this product. See Section VI of this MSDS for symptoms of overexposure and carcinogenicity information.

EYE: Can cause moderate irritation.

SKIN: Avoid skin contact. Prolonged or repeated contact can result in irritation or contact dermatitis which is characterized by dryness, chapping and reddening.

INGESTION: Do not ingest. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

TOXICITY DATA: Not established.

CARCINOGENICITY: N/A

ACUTE EFFECTS FROM EXPOSURE: May cause moderate irritation in the eyes.

CHRONIC EFFECTS FROM EXPOSURE: Not determined.

SECTION 12 – ECOLOGICAL INFORMATION – N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: All disposal must comply with current local, state and federal laws and regulations. Waste material can be landfilled at an approved facility.

SECTION 14 – TRANSPORTATION INFORMATION

Proper Shipping Name: Lubricant Additive

Packing Group: Not Regulated

DOT Class: Not Regulated

UN Number: N/A

Schedule B Code: 3811290000

SECTION 15 – REGULATORY INFORMATION

TSCA: All components are either listed under TSCA or are exempt.

SARA Title III:

Section 311/312: None

Section 313: None

CERCLA Hazardous Materials: None

SECTION 16 – OTHER INFORMATION

The health hazards given on the Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure to the diluted product under conditions of ordinary use. Engineous warrants that the product or products described herein will conform to its published specifications. The products supplied by Engineous and information related to them is intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Engineous materials for their own particular purpose. Since buyer's conditions of use of product are beyond Engineous's control, Engineous does not warrant any recommendations and information for the use of such products. Engineous disclaims all other warranties including the implied warranty of merchantability and fitness for any particular purpose in connection with the use of its products 089o87i6u.