



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Enhance™ 0886 Grease #2.5

PRODUCT USE: Industrial Grease

COMPANY IDENTIFICATION: Enhance™ Lubricants, LLC
1959 Bluff Road
Columbia, SC 29201
www.enhanceoil.com

TRANSPORTATION EMERGENCY RESPONSE: PERS – 800-633-8253

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Not classified as hazardous according to 29 CFR 1910.1200 (2012).

HAZARDS NOT OTHERWISE CLASSIFIED: Not Applicable

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

This material is defined as a mixture and has no known hazards under GHS classification.

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for at least 15 minutes until irritation subsides. If irritation persists, get medical attention.

SKIN: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse. If irritation persists, get medical attention.

INGESTION: If swallowed, do not induce vomiting. If victim exhibits signs of lung aspirations such as coughing or choking, seek medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS:

SYMPTOMS: Expected to be a minor eye irritant. Repeated or prolonged skin contact may cause dermatitis.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Note to Physicians: Treat Symptomatically

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide, sand to extinguish flames.

UNSUITABLE EXTINGUISHING MEDIA: Water stream may splash burning liquid and spread fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCES OR MIXTURE: Hazardous combustion product may include a complex mixture of airborne solid and liquid particulates and gases (smoke), carbon monoxide, unidentified inorganic and organic compounds.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Avoid breathing smoke and vapor. Water may be used to cool containers exposed to heat or flame.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Use personal protective equipment as required.

METHODS FOR CONTAINMENT: Remove sources of ignition. Isolate the spill / leak area in all directions for about 50 meters (150ft) for liquids and about 25 meters (75ft) for solids and semi-solids.

METHODS FOR CLEAN-UP: Shovel into suitable, properly marked container for disposal or reclamation in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid prolonged and repeated contact with skin. Avoid inhaling the vapors/mist. When handling the drums, kegs, pails, etc., proper safety shoes and other protective clothes, safety glasses etc. should be worn. Dispose appropriately any contaminated rags / material as per prevailing local allowable practices. Keep containers in cool, well ventilated areas.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE CONDITIONS: Keep containers tightly closed in a well-ventilated area but covered, avoiding contact with rain or other water ingress possibilities. Keep the storage place cool preferably <120 °F / <50 °C. Higher temperature may create pressure buildup inside container and chances of container busting or leakage may occur under aggravated conditions. Keep away from other oxidizing and incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Material	Source	Type	ppm	Mg/m3
Lithium hydroxide mono hydrate	AIHA Wheel	Ceiling		1.8 mg/m3
Mineral Oil	ACGIH	TWA - vacated and TWA		5.0 mg/m3
Sulfurized isobutylene	ACGIH	TWA, 8 hrs	1 ppm	
Zinc alkyl dithiophosphate	ACGIH	TWA		5.0 mg/m3

APPROPRIATE ENGINEERING CONTROLS: Adequate ventilation systems may be needed to control concentrations of airborne contaminants above permissible threshold applicable limits.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Wear safety glasses. Wear chemical goggles or face shield if splash or mist occurs.

SKIN/BODY PROTECTION: Use impervious gloves for prolonged contact. Wear oil-impervious garments if contact is unavoidable.

RESPIRATORY PROTECTION: If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist.

GENERAL HYGIENE CONSIDERATIONS: Use good hygiene when handling petroleum product. Launder contaminated clothing before reuse. Excessive misting may cause slippery floors – wear appropriate footwear.

SECTION: PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Amber	Specific Gravity (15°C): 0.87, 7.506 (lbs/gal)
Physical State: Semi-solid	Evaporation Rate: No data available
Odor: Slight hydrocarbon	Decomposition Temperature: No data available
Odor Threshold: No data available	Partition Coefficient: No data available
pH: No data available	Flash Point: 204°C / 400°F ASTM D-92
Vapor Pressure: < 0.13 kPa (<1 mm Hg)	Flammability: No data available
Vapor Density (Air = 1): <1	Upper Flammability Limits: No data available
Boiling Point/Boiling Range: No data available	Lower Flammability Limits: No data available
Freezing Point: No data available	Auto-Ignition Temperature: No data available
Melting Point: No data available	Kinematic Viscosity: No data available
Pour Pont Temperature: No data available	Dynamic Viscosity: No data available
Viscosity: No data available	Explosive Properties: No data available
VOC, % wt.: 1 ASTM D-972	Oxidizing Properties: No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Not reactive under normal conditions.

CHEMICAL STABILITY: Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: None under normal processing.

HAZARDOUS POLYMERIZATION: Under normal conditions of storage and use, hazardous polymerization will not occur.

CONDITIONS TO AVOID: Avoid formation of mists. Keep away from extreme heat, sparks, open flame and incompatible materials.

INCOMPATIBLE MATERIALS: This product reacts with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition is not expected to form under normal conditions of storage.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION OF LIKELY ROUTES OF EXPOSURE:

EYE CONTACT: Avoid contact with eyes

SKIN CONTACT: Avoid contact with skin

INHALATION: Do not inhale

INGESTION: Do not ingest

BASIS OF ASSESSMENT: Information given hereby is based on the components and the toxicology of similar products and the data indicated here are representative of the mainly base oil which used in majority to make this product.

ACUTE ORAL TOXICITY: Expected to be low toxicity; LD 50 (rat) > 5000 mg/kg (literature)

ACUTE DERMAL TOXICITY: Expected to be low toxicity; LD 50 (rat) > 3000 mg/kg (literature)

ACUTE INHALATION TOXICITY: Not determined

SKIN CORROSION / IRRITATION: Expected to be slightly irritating. Prolonged / repeated contact with skin without adequate cleaning may clog the pores of the skin, may result in a disorder such as oil acne / folliculitis.

SERIOUS EYE DAMAGE / IRRITATION: Expected to be slightly irritating

RESPIRATORY / SKIN SENSITIZATION: Not determined

ASPIRATION HAZARD: No data available

GERM CELL MUTAGENICITY: No data available

CARCINOGENICITY: Not considered to be carcinogenic as it contains severely hydrotreated mineral oils which are reported to be non-carcinogenic in lab animal studies. The class of oils used in making this product are not classified as carcinogenic by IARC.

INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS:

SYMPTOMS: See Section 4

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHROMIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

CARCINOGENICITY: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicological data has not been determined specifically on this product. The information given herewith are based on the information given on eco-toxicity of components and/or on similar products. The information given here are representative of the product as a whole and not as individual components.

TOXICITY: Sparingly soluble mixture in aqueous media. Not toxic to fish but may coat gill structure and cause suffocation if spilled. This product may cause gastrointestinal distress in birds and mammals through ingestion.

MOBILITY: Product is a semi-solid in nature in most conditions and may absorb to soil and may not be mobile. It floats on water.

PERSISTENCE/DEGRADABILITY: Expected to be not readily biodegradable. The major oil component expected to biodegrade over a period of 100-120 days in aerobic environment at a temperature above 70° F (21° C), however finished product contains component that may persist in the environment.

BIOACCUMULATION: May contain components that bioaccumulate.

OTHER ADVERSE EFFECTS: Product contains the components that have been classified non-volatile in nature and therefore not expected to release to the environment in significant quantities.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTES: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

CONTAMINATED PACKAGING: Disposal should be in accordance with applicable regional, national, and local laws and regulations

SECTION 14: TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

SECTION 15: REGULATORY INFORMATION

DOT: Not regulated

IMO/IMDG: Not regulated

ICAO/IATA: Not regulated

OSHA HAZARD COMMUNICATION STANDARD: This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

US INVENTORY LIST: All components are listed or exempted. (TSCA 8b)

SARA (302/304): No products were found.

SARA (311/312) Classification: Immediate (acute) health hazard, delayed (chronic) health hazard

SARA (313) Toxic Release Inventory: This material may contain chemical(s) regulated under SARA.

Component	Fire Hazard	Sudden release of pressure	Reactive	Acute health hazard	Delayed health hazard
Base Oil	No	No	No	No	Yes
Lithium hydroxide	No	No	No	Yes	Yes
Sulfurized isobutylene	Yes	No	No	Yes	Yes

SECTION 16: OTHER INFORMATION

NFPA RATINGS: Health: 1 Flammability: 1 Reactivity: 0 Special Hazards: NA

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: NA

DISCLAIMER

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose

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