



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Enhance™ Industrial 9D; ear Oil 220

PRODUCT USE: Lubricating ; YUf Oil

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

TRANSPORTATION EMERGENCY RESPONSE: CHEMTEL, INC. – 800-255-3924

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION:

Classification According to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation.

Classification According to Directive 67/548/EEC or Directive 1999/45/EC: N/A

Information Concerning Particular Hazards For Human & Environment: The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

CLASSIFICATION SYSTEM:

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists and is supplemented by information from technical literature and by information provided by the company.

Labeling According to Regulation (Ec) No. 1272/2008: N/A

Hazard Pictograms: N/A

Signal Word: N/A

Hazard Statements: N/A

Hazard Description: N/A

WHMIS-Symbols: Not hazardous under WHMIS

Hazards Not Otherwise Classified: N/A

Results of Pbt & Vpvt Assessment:

- PBT: N/A
- vPvB: N/A

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	IDENTIFICATION NUMBER	CATEGORY	AMOUNT
Distillates (Petroleum), Solvent-Refined Heavy Paraffinic	CAS: 64741-88-4 EINECS: 265-090-8 INDEX NUMBER: 649-454-00-7	Carc. Cat. 2	64%
Residual Oils (Petroleum), Solvent-Refined	CAS: 64742-01-4 EINECS: 265-101-6 INDEX NUMBER: 649-459-00-4	Carc. Cat. 2	30%
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	CAS: 64742-52-5 EINECS: 265-155-0 INDEX NUMBER: 649-465-00-7	Carc. Cat. 2	5%

ADDITIONAL INFORMATION:

Note: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This product meets these requirements.

SECTION 4: FIRST AID MEASURES

GENERAL INFORMATION: No special measures required.

EYE CONTACT: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

SKIN CONTACT: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

INGESTION: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

INHALATION: Supply fresh air; consult doctor in case of complaints.

SECTION 5: FIRE FIGHTING MEASURES

MOST IMPORTANT SYMPTOMS & EFFECTS: No further relevant information available

SUITABLE EXTINGUISHING MEDIA: Water haze or fog, foam, fire-extinguishing powder, carbon dioxide

UNSUITABLE EXTINGUISHING MEDIA: Water with full jet

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: In case of fire, the following can be released: carbon monoxide (CO). Under certain fire conditions, traces of other toxic gases cannot be excluded.

PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIREFIGHTERS: Wear self-contained respiratory protective device. Wear fully protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES: Ensure adequate ventilation; wear protective equipment; keep unprotected persons away.

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter sewers / surface or ground water. Prevent from spreading (e.g. by damming-in or oil barriers).

METHODS & MATERIAL FOR CONTAINMENT & CLEAN UP: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Do not flush with water or aqueous cleansing agents

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid the formation of oil haze

STORAGE CONDITIONS: Store away from foodstuffs; store away from oxidizing agents, store in cool, dry conditions in well-sealed receptacles

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS:

INGREDIENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

EXPOSURE CONTROLS:

PERSONAL PROTECTIVE EQUIPMENT: N/A

GENERAL PROTECTIVE & HYGIENIC MEASURES: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes.

RESPIRATORY PROTECTION: Not necessary if room is well-ventilated. Use suitable respiratory protective device in case of insufficient ventilation.

PROTECTION OF HANDS: Wear oil-resistant, protective gloves. Material of gloves: the selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

EYE PROTECTION: Wear safety glasses; goggles recommended during refilling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Color: Amber

Physical State: Oily

Odor: Characteristic

Odor Threshold: Undetermined

Ph Value: Undetermined

Vapor Pressure: Undetermined

Density @ 20°C: 0,88 G/Cm³

Relative Density: Undetermined

Vapor Density: Undetermined

Evaporation Density: Undetermined

Boiling Point/Boiling Range: Undetermined

Solubility: Not Miscible or Difficult To Mix

Melting Point: Undetermined

Evaporation Rate: Undetermined

Decomposition Temperature: Undetermined

Partition Coefficient: >2,0 Log Pow (Estimate)

Flash Point: 250°C (482°F)

Flammability (Solid, Gas): Not Applicable

Upper/Lower Flammability Limits:

Auto-Ignition Temperature: Not Self-Igniting

Viscosity Index: 100

Kinematic Viscosity @ 40°C: 220 Cst

Kinematic Viscosity @ 100°C (18,9 Cst)

Explosive Properties: No Explosion Hazard

Organic Solvents: 0,0 %

Other Info: No Further Relevant Info Available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No information available

CHEMICAL STABILITY: No decomposition if used according to specifications

POSSIBILITY OF HAZARDOUS REACTIONS: Reacts with strong oxidizing agents

CONDITIONS TO AVOID: Store away from oxidizing agents

INCOMPATIBLE MATERIALS: No further relevant information available

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide possible in traces, sulphur oxides (SO_x), nitrogen oxides (NO_x)

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION OF LIKELY ROUTES OF EXPOSURE:

Oral LD50	Dermal LD50
>2000 mg/kg (rat)	>2000 mg/kg (rabbit)

EYE CONTACT: Slight irritant effect on eyes

SKIN CONTACT: Slight irritant effect on skin and mucous membranes

SENSITIZATION: Sensitizing effect by skin contact is possible by prolonged exposure

ACUTE TOXICITY: Undetermined

ADDITIONAL TOXICOLOGICAL INFORMATION: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY: The material is harmful to the environment

PERSISTENCE & DEGRADABILITY: Not easily biodegradable

BIO-ACCUMULATIVE POTENTIAL: May be accumulated in organism

MOBILITY IN SOIL: No further relevant information available

ADDITIONAL ECOLOGICAL INFORMATION:

- Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
- Danger to drinking water if even small quantities leak into the ground
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

RESULTS OF PBT & VPVB ASSESSMENT:

- PBT: Not applicable
- vPvB: Not applicable

OTHER ADVERSE EFFECTS: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHOD RECOMMENDATION: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be reused after reprocessing. Delivery of waste oil to officially authorized collectors only.

UNCLEANED PACKAGING RECOMMENDATION: Disposal must be made according to official 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.

UN-Number (DOT/ADN/IMDG/IATA): N/AUN Proper Shipping Name (DOT/ADR/ADN/IMDG/IATA): N/A

Transport Hazard Classes (DOT/ADR/ADN/IMDG/IATA): N/A

Packaging Group (DOT/ADR/IMDG/IATA): N/A

Environmental Hazards (Marine Pollutant): No

Special Precautions for User: N/A

Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code: N/A

SECTION 15: REGULATORY INFORMATION

INTERNATIONAL INVENTORIES:

INDUSTRIAL GEAR EP OIL 220
US TSCA (Toxic Substances Control Act) Inventory: All ingredients are listed
SARA 355 (Extremely Hazardous Substances): None of the ingredients are listed
SARA 313 (Specific Toxic Chemical Listings): None of the ingredients are listed
Chemicals Known To Cause Cancer: None of the ingredients are listed
Chemicals Known To Cause Reproductive Toxicity For Females: None of the ingredients are listed
Chemicals Known To Cause Reproductive Toxicity For Males: None of the ingredients are listed
Chemicals Known To Cause Developmental Toxicity: None of the ingredients are listed
Carcinogenic Categories - EPA (Environmental Protection Agency): None of the ingredients are listed
Carcinogenic Categories - IARC (International Agency for Research on Cancer): None of the ingredients are listed
Carcinogenic Categories - TLV (Threshold Limit Value established by ACGIH): None of the ingredients are listed
Carcinogenic Categories - MAK (German Maximum Workplace Concentration): None of the ingredients are listed
Carcinogenic Categories - IOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients are listed
Carcinogenic Categories - OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed
Canadian Domestic Substances List (DSL): All ingredients are listed
Canadian Ingredient Disclosure List (Limit 0.1%): None of the ingredients are listed
Canadian Ingredient Disclosure List (Limit 1%): None of the ingredients are listed
Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

Legend:

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SECTION 16: OTHER INFORMATION

NFPA RATINGS: Health: 1 Flammability: 2 Reactivity: 0 Special Hazards: N/A

HMIS RATINGS: Health: 1 Flammability: 2 Reactivity: 0 Personal Protection: N/A

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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