



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Enhance™ Way Lubricant 220

PRODUCT USE: Lubricating Oil

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

COMPONENTS	CAS NUMBER	AMOUNT
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	64% wt
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	35% wt
If chemical name/CAS No is proprietary and/or weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.		

SECTION 4: FIRST AID MEASURES

EYES: Remove contact lenses. 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, fire-extinguishing powder.

UNSUITABLE EXTINGUISHING MEDIA: Water with full jet.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Nitrogen oxides (NO_x); Carbon monoxide (CO); Sulphur dioxide (SO₂)

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, Ensure adequate ventilation, Keep unprotected persons away.

METHODS FOR CONTAINMENT: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

METHODS FOR CLEAN-UP: Take up small spills with absorbent pads. Do not flush with water or aqueous cleansing agents.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid the formation of oil haze.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE CONDITIONS: Store away from foodstuffs. Store in cool, dry conditions in well-sealed receptacles.

INCOMPATIBLE MATERIALS: This product may react with strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS: Ingredients with limit values that require monitoring at the workplace:

CAS# 64742-57-7 Distillates (petroleum), hydrotreated heavy paraffinic

PEL (USA) 5 mg/m³; TLV (USA) Short term value: 10 mg/m³; Long term value: 5 mg/m³

EXPOSURE CONTROLS:

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

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

SKIN/BODY PROTECTION: Oil resistant 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.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Color: Amber	Decomposition Temperature: No data available
Physical State: Liquid	Partition Coefficient: No data available
Odor: Typical petroleum	Flash Point: 220°C / 428°F
Odor Threshold: No data available	Flammability (Solid, Gas): Liquid- Not applicable
pH: No data available	Upper Flammability Limits: No data available
Vapor Pressure: No data available	Lower Flammability Limits: No data available
Boiling Point/Boiling Range: No data available	Auto-Ignition: Product is not self-igniting
Solubility: Insoluble in water	Viscosity Index: No data available
Freezing Point: No data available	Kinematic Viscosity: 217 cSt at 40°C
Melting Point: No data available	19.6 cSt @ 100°C
Pour Point Temperature: No data available	Explosive Properties: Product does not present an explosion hazard
Evaporation Rate: No data available	

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions

Chemical Stability: Thermal decomposition / Conditions to avoid: No decomposition if used according to specifications

Possibility of Hazardous Reactions: Reacts to strong oxidizing agents

Conditions to avoid: Keep away from incompatible materials

Incompatible Materials: This product may react with strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide; Possible in traces. Sulphur oxides (Sox); Nitrogen oxides (NOx)

SECTION 11: TOXICOLOGICAL INFORMATION

PRIMARY IRRITANT EFFECT:

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

Oral LD50	Dermal LD50	Inhalation LC50
>2000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	-

ADDITIONAL TOXICOLOGICAL INFORMATION:

This 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

MOBILITY: No further relevant information available

PERSISTENCE/DEGRADABILITY: Not easily biodegradable

BIOACCUMULATION POTENTIAL: May be accumulated in organism

OTHER ADVERSE EFFECTS: No data available

ADDITIONAL ECOLOGICAL INFORMATION:

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

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTES: 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.

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.

DOT: Not regulated

IMO/IMDG: Not regulated

ICAO/IATA: Not regulated

SECTION 15: REGULATORY INFORMATION

SARA

Section 355 (extremely hazardous substances): None of the ingredients are listed

Section 313 (specific toxic chemical listings): None of the ingredients are listed

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females / 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.

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients are listed.

MAK (German Maximum Workplace Concentration): None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients are listed.

Canada

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.

SECTION 16: OTHER INFORMATION

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

HMIS RATINGS: Health: 0 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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