



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Enhance™ Solvent 142

PRODUCT USE: Solvent

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

GHS US CLASSIFICATION:

Flam. Liq 4; Asp. Tox. 1

PICTOGRAMS:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H227 – Combustible liquid

H304 – May be fatal if swallowed and enters airways

PRECAUTIONARY STATEMENTS:

P210 - Keep away from hot surfaces, heat, open flames, sparks; no smoking

P280 – Wear eye protection, face protection, protective clothing, protective gloves

P301+P310 - If swallowed: immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

P370+P378 - In case of fire: use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish

P403+P235 - Store in well-ventilated place; keep cool

P405 - Store locked up

P501 - Dispose of contents/container in accordance with local, regional, national, and/or international regulations

HAZARDS NOT OTHERWISE CLASSIFIED: NA

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Distillates, petroleum, hydrotreated light (main constituent)	64742-47-8	100%
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: Check for and remove contact lenses. Flush eyes with large amounts of water for at least 15 minutes until irritation subsides. Get medical attention.

SKIN: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. When symptoms persist or in all cases of doubt, seek medical advice. Wash contaminated clothing before reuse.

INGESTION: If swallowed, call poison control center or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

INHALATION: Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS:

SYMPTOMS: May cause drowsiness or dizziness. May cause skin irritation. May cause mild eye irritation. May cause a risk of lung edema if ingested.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Note to Physicians: Treat Symptomatically

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray or fog, foam, dry chemical, (CO₂) carbon dioxide

UNSUITABLE EXTINGUISHING MEDIA: Not determined

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Fire hazard- combustible liquid. Reactivity – The product is non-reactive under normal conditions of use, storage and transport.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Ventilate spillage area. No open flames, No sparks, and No smoking. Avoid contact with skin and eyes. Avoid breathing dust/flume/gas/mist/vapors/spray. Do not attempt to take action without suitable protective equipment. For further information, refer to Section 8: Exposure Controls / Personal Protection.

METHODS FOR CONTAINMENT: Avoid release to the environment.

METHODS FOR CLEAN UP: Contain spillage and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13). Dispose of materials or solid residues at an authorized site.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

STORAGE CONDITIONS: Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

ENGINEERING CONTROLS: Ensure good ventilation of the work station

EYE/FACE PROTECTION: Wear safety glasses with side shields (or goggles)

RESPIRATORY PROTECTION: Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

SKIN/BODY PROTECTION: Chemical resistant, impermeable gloves

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Color: Clear

Physical State: Liquid

Odor: Hydrocarbon like

Odor Threshold: No data available

pH: No data available

Vapor Pressure: 0.32 mmHg @ 20°C, 68°F

Density: 0.803 g/cm³ @ 15.5°C, 60°F

Boiling Point/Boiling Range: 376-412°F; 192-211°C

Solubility: Negligible

Freezing Point: No data available

Melting Point: <-70°C, <-94°F; ASTM-D86

Pour Point Temperature: No data available

Specific Gravity: 0.93

Evaporation Rate: No data available

Decomposition Temperature: No data available

Viscosity: 1.8 cSt @ 20°C, 68°F

Partition Coefficient: No data available

Flash Point: 145°F; Average 63°C

Flammability (Solid, Gas): No data available

Upper Flammability Limits: No data available

Lower Flammability Limits: No data available

Auto-Ignition Temperature: 453°F; 233°C

Kinematic Viscosity: No data available

Dynamic Viscosity: No data available

Explosive Properties: No data available

Oxidizing Properties: No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Stable at normal ambient temperatures and pressure

CHEMICAL STABILITY: No decomposition if stored and applied as directed

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reactions known under normal conditions of use

CONDITIONS TO AVOID: Keep away from extreme heat, sparks, and open flame

INCOMPATIBLE MATERIALS: Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous gases and vapors produced in fire are oxides of carbon

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION OF LIKELY ROUTES OF EXPOSURE:

EYE CONTACT: Mild eye irritation

SKIN CONTACT: Irritation

INHALATION: Risk of lung edema

INGESTION: May be fatal if swallowed and enters airways

	Oral LD50	Dermal LD50	ATE US (dermal)
Solvent 64742-47-8	>5000 mg/kg (Rat)	2000-4000 mg/kg (Rat)	2000.000 mg/kg body weight
		2000-4000 mg/ kg (Rabbit)	

INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS:

SYMPTOMS: See Section 4

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC 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.

NUMERICAL MEASURES OF TOXICITY: Not determined

UNKNOWN ACUTE TOXICITY: Not determined

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

ECOTOXICITY – WATER: Mild water pollutant (surface water)

MOBILITY: No additional information available

BIOACCUMULATION: No additional information available

TOXICITY: No data available

PERSISTENCE/DEGRADABILITY: Readily biodegradable

OTHER ADVERSE EFFECTS: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTES: Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Dispose in accordance with local, state and federal regulations.

CONTAMINATED PACKAGING: Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner or properly disposed.

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

INTERNATIONAL INVENTORIES:

Solvent 142 64742-47-8

Listed on the US TSCA (Toxic Substances Control Act) inventory

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 311/312: Fire hazard. Immediate (acute) Health Hazard

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, section 313.

Legend:

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

SECTION 16: OTHER INFORMATION

NFPA RATINGS: Health: 1 Flammability: 2 Reactivity: 0 Special Hazards: NA

HMIS RATINGS: Health: 1 Flammability: 2 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

Issue Date: 10.16.2017

Revision Date (1): 02.14.2018

Revision Date (2): 07.23.2019