SAFETY DATA SHEET

1. IDENTIFICATION

Product Name:	**ELIMINATOR 217 – SYNTHETIC GEAR OIL**
Other means of identification:	None
Supplier:	HE&M Inc. PO Box 1148 4065 South Main & Webb Mid America Industrial Park Pryor, OK 74361
Telephone:	(888) 729-7787 (918) 825-4821
Fax:	(918) 825-4824
In case of Emergency:	INFOTRAC US and Canada (800) 535-5053 Outside the US or Canada +01-352-323-3500
Recommended Use:	Mist Lube Metalworking Fluid Concentrate. See product data sheet for full description on use.

2. HAZARDS IDENTIFICATION

GHS Classification	This material is classified in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification	Not applicable
GHS Label	
Hazard pictogram	None
Signal word	None
Hazard Statement	Not applicable.
Precautionary statements	
Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.
Hazards Not Otherwise Classified (HNOC)	May be defatting to the skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: ELIMINATOR 217 – Synthetic Lubricant is a mixture.

Components/Ingredients	CAS No.	% Range*
Oxirane, methyl-, polymer with oxirane, monobutyl ester	9038-95-3	>95
Proprietary Ingredients	Proprietary Mix	<5

*Specific percentages of composition are being withheld as a trade secret.
*Proprietary CAS numbers are being withheld as a trade secret.

Additional components, of which may or may not be present, in this mixture are not classified as hazardous to health or the environment and within the current knowledge of the manufacturer or supplier and current regulations, are required to be reported in this section.

Occupational exposure limits, if applicable and available, are listed in Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION.

4. FIRST AID MEASURES

Eye	Check for and remove contact lenses. Flush eyes with cool, clean, low-pressure water for at least 15 minutes while occasionally lifting and lowering eyelids. Do not use eye ointment unless directed to by a physician. Seek medical attention if excessive tearing, irritation, or pain persists.
Skin	If burned by hot material, cool skin by quenching with large amounts of cool water. For contact with product at ambient temperatures, remove contaminated shoes and clothing. Wipe off excess material. Wash exposed skin with mild soap and water. Seek medical attention if tissue appears damaged or if pain or irritation persists. Thoroughly clean contaminated clothing before reuse. Clean or discard contaminated leather goods. If material is injected under the skin, seek medical attention immediately.
Ingestion	Do not induce vomiting unless directed to by a physician. Do not give anything to drink unless directed to by a physician. Never give anything by mouth to a person who is not fully conscious. If significant amounts are swallowed or irritation or discomfort occurs, seek medical attention immediately.
Inhalation	Move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If breathing is difficult, 100 percent humidified oxygen should be administered by a qualified individual. Seek medical attention immediately. Keep the affected individual warm and at rest.
Notes to Physician	Treat symptomatically.

Most important symptoms or effects, acute and delayed

For more detailed information on health effects and symptoms see Section 11 – TOXICOLOGICAL INFORMATION

Description of necessary first aid measures or specific treatments

Treatment should in general be symptomatic and directed to relieving any effects.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use dry chemical, foam, carbon dioxide or water fog. Water or foam may cause frothing. Carbon dioxide and inert gas can displace oxygen. Use caution when applying carbon dioxide or inert gas in confined spaces.
Special Properties	This material can burn but will not readily ignite. This material will release vapors when heated above the flash point temperature that can ignite when exposed to a source of ignition. In enclosed spaces, heated vapor can ignite with explosive force. Mists or sprays

	may burn at temperatures below the flash point.
Hazardous Combustion Products	Combustion gases may contain carbon monoxide, carbon dioxide, and irritating or acrid combustion products.
Special Fire Fighting Instructions	Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies
NFPA Flammability Classification	NFPA Class-IIIB combustible material.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures	Spilled material may make surfaces slippery. Wear suitable protective gear, such as: chemically protective gloves, eye protection, chemically protective boots, and chemically protective clothing.
Environmental Precautions	For small spills, absorb or cover with dry earth, sand, or other inert non-combustible absorbent material and place into waste containers for later disposal. Contain large spills to maximize product recovery or disposal. Prevent entry into waterways or sewers. In urban area, cleanup spill as soon as possible. In natural environments, seek cleanup advice from specialists to minimize physical habitat damage. This material will float on water. Absorbent pads and similar materials can be used. Comply with all laws and regulations and notify proper authorities.
Methods and Materials for Containment and Cleaning Up	Dike spilled material and soak up with inert absorbent material, such as: mops, sand, oil-dri, or fiber media. Dispose of material in accordance with all Federal, State and Local regulations. Do not touch or walk through spilt material. Avoid breathing vapor or mist. Provide adequate ventilation.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes, skin and clothing. Avoid breathing vapor, aerosol and mist. Do not store in open or unlabeled containers. Use with adequate ventilation. Wash thoroughly after handling. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues. FOR INDUSTRIAL USE ONLY.
Storage	Keep container closed. Store in a cool, dry, well-ventilated area. Do not store with strong oxidizing agents. Do not store at elevated temperatures. Avoid storing product in direct sunlight for extended periods of time. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers or waste residues of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below). An eye wash station and safety shower should be located near the work-station.
Environmental Controls	Comply with applicable environmental regulations limiting discharge to air, water and

soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

Exposure Limit Values	
Oxirane, methyl-, polymer with oxirane, monobutyl ester	Not assigned.
Personal Protective Equipment	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping. Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. For certain operations, additional PPE may be required.
Eye / Face Protection	Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Chemical goggles should be worn during transfer operations or when there is a likelihood of misting, splashing, or spraying of this material. A suitable emergency eye wash water and safety shower should be located near the work station.
Skin Protection	Use gloves constructed of glycol-resistant materials such as butyl rubber if frequent or prolonged contact is expected. Use heat-protective gloves when handling product at elevated temperatures. Use clean protective clothing if splashing or spraying conditions are present. Protective clothing may include long-sleeve outer garment, apron, or lab coat. If significant contact occurs, remove oil-contaminated clothing as soon as possible and promptly shower. Launder contaminated clothing before reuse or discard. Wear heat protective boots and protective clothing when handling material at elevated temperatures.
Respiratory Protection	If elevated airborne concentrations are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).
Special Instructions for Protection and Hygiene	Provide readily accessible eye wash stations and safety showers. Wash hands at the end of each work shift and before eating, smoking or using the toilet. DO NOT use gasoline, kerosene, solvents, or harsh abrasive skin cleaners. Occupational exposure limits have not been assigned for this product. Avoid breathing vapors or spray mists.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to light amber, Liquid
Odor	Mild Odor
Odor Threshold	Not Determined
pH	Not Applicable
Melting Point / Freezing Point	Not Available
Initial Boiling Point and Boiling Range	Not Available
Flash Point	Open cup: 298ºC (568ºF) (Cleveland)
Evaporation Rate (Butyl Acetate @ 25°C = 1)	Not Determined
Flammability (solid, gas)	Not Applicable
Upper Explosive Limit / Lower Explosive Limit	Not Determined.
Vapor Pressure (Water @ 20°C = 17.5 mmHg)	<1 mmHg
Vapor Density	>1 (Air=1)
Relative Density (20°C)	0.99 – 1.03
Solubility	Soluble in water.
Volatilty	Slightly Volatile.
Partition Coefficient (n-octanol / water)	Not Determined
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Viscosity (40C)	391

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended handling and storage conditions.
Conditions to Avoid	Keep away from extreme heat, sparks, open flame, and strongly oxidizing conditions.
Incompatible Materials	Strong oxidizers.
Hazardous decomposition materials	No additional hazardous decomposition products were identified other than the combustion products identified in Section 5 of this MSDS.
Hazardous Polymerization	Not expected to occur.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Skin Contact, Inhalation.
Potential Acute Health Effects	
Eye Contact	This product can cause transient mild eye irritation with short-term contact with liquid sprays or mists. Symptoms include stinging, watering, redness, and swelling.
Skin Contact	Skin irritation is not expected from short-term exposure. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation (dermatitis).
Inhalation	Based on data from similar products, inhalation of this product can cause adverse lung effects. At elevated temperatures or in enclosed spaces, product mist or vapors may irritate the mucous membranes of the nose, the throat, bronchi, and lungs.
Ingestion	May cause nausea, vomiting and/or diarrhea.
Delayed / Chronic Health Effects	
Skin Contact	Prolonged or repeated skin contact can cause mild irritation and inflammation characterized by drying, cracking, (dermatitis) or oil acne.
Inhalation	Preexisting respiratory conditions may be aggravated by exposure. Repeated or prolonged inhalation can cause respiratory irritation or other pulmonary effects.
Skin Corrosion / Irritation	Prolonged use can cause defatting or dermatitis.
Eye Damage / Irritation	Irritation, stinging, watering, redness.
Skin Sensitizer	Mixture not determined
Respiratory Sensitizer	Mixture not determined
Germ Cell Mutagenicity	Mixture not determined
Teratogenicity	Mixture not determined
Developmental	Mixture not determined
Fertility	Mixture not determined
Carcinogenicity	This product is not known to contain any components at concentrations above 0.1% which are considered carcinogenic by OSHA, IARC or NTP.
Reproductive Toxicity	Mixture not determined
Aspiration Toxicity	Mixture not determined.
Conditions Aggravated by Exposure	Disorders of the following organs or organ systems that may be aggravated by significant exposure to this material or its components include: Skin, Respiratory System
Target Organs	May cause damage to the lungs and skin.
Toxicity Data	**Oxirane, methyl-, polymer with oxirane, monobutyl ester** In an acute inhalation studies, rats were exposed to aerosol concentrations of polyalkylene glycols (average MW 2,900) (Klonne et al, 1987). Exposure related mortalities occured at the two highest exposure concentrations. Also, slightly increased respiratory rates and locomotor activity were noted. The acute inhalation LC 50 was calculated to be 330 mg/M3. In another study, exposure related mortalities occured (DuPont, 1986). The approximate lethal concentration (ALC) was determined to be 390 mg/M 3. Another

inhalation study with rats, exposure-related mortalities occured (Ulrich et al., 1992). Study findings included treatment-related changes in the alveoli and terminal airways including moderate to severe alveolar inflammation.
N-Phenylbenzenamine, reaction products with 2,4,4 -trimethylpentane
ORAL (LD50): Acute: >5000 mg/kg [Rat].

Additional information	None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Ecotoxicity data are not available for this product.
Terrestrial Toxicity	Not determined.
Persistence and Degradability	Not determined.
Bioaccumulative Potential	Mixture not determined.
Mobility in Soil	Mixture not determined.
Mobility in Water	Miscible in water and is expected to readily disperse in marine environments.
Other Adverse Ecological Effects	Complete ecological effects of this mixture are not known. Do not release into waterways, water systems, or environment.

13. DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with all current applicable federal, state, and local laws and regulations, and material characteristics at time of disposal. Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty containers should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, 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.

The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste, nor is it formulated to contain materials which are listed as hazardous wastes. Conditions of use may cause this material to become a "hazardous waste", as defined by federal or state regulations. It is the responsibility of the user to determine if the material is a "hazardous waste" at the time of disposal. It does not exhibit the hazardous characteristics of ignitability, corrosivity, toxicity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

UN Number	Not Applicable
UN Proper Shipping Name	Not Applicable
Transport Hazard Class	Not Applicable
Packing Group	Not Applicable
Environmental Hazards	
Transportation in Bulk (Annex II of MARPOL 73/78 and IBC Code)	Not a DOT "Marine Pollutant" per 49 CFR 171.8
Special Precautions	Spilled material may be a slip hazard.
U.S. DOT / Canadian TDG	Not Regulated as hazardous material.
IMO / IDMG	Not determined
ICAO / IATA	Not determined
ADR / RID	Not determined

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: The hazard classifications of this substance / mixture were made congruent to the Occupational Safety and Health Standards, established in OSHA Regulation Standards 29 CFR 1910.1200.

Complies with the following national/regional chemical inventory requirements: TSCA, DSL, EINECS

EPCRA SECTION 302: This material contains no extremely hazardous substances.

EPA SARA Title III Section 311/312 (40 CFR 370) Hazard Classification: Immediate acute health hazard. Delayed chronic health hazard.

EPA SARA Title III Section 313 (40 CFR 372): No components identified.

CERCLA: The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. This product or refinery stream is not known to contain chemical substances subject to this statute. However, it is recommended that you contact state and local authorities to determine if there are any other reporting requirements in the event of a spill.

CLEAN WATER ACT (CWA): Discharges or spills of this material onto or in waters of the United States, adjoining shorelines, or into conduits leading to surface waters of the US without proper Federal or State permits should be reported to the National Response Center at (800) 424-8802.

California Proposition 65: This material may contain the following components which are known to the State of California to cause cancer, birth defects or other reproductive harm, and may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):
1,4-Dioxane: <0.001%
Propylene oxide: <0.001%
Ethylene oxide: <0.001%
Ethyl acrylate: 0.0002%

New Jersey Right-to-Know Label: New Jersey RTK: 632549001

16. ADDITIONAL INFORMATION

Revision Date: April 29, 2021
Revision #: 1.0
Supersedes Revision #: NEW

This SDS prepared for this substance / mixture was made congruent to the Occupational Safety and Health Standards, established in OSHA Regulation Standards 29 CFR 1910.1200.

HMIS	Health	Flammability	Physical Hazard	PPE
	2	1	0	B
NFPA	Health	Flammability	Chemical Reactivity	Special Hazards
	2	1	0	None Known

Disclaimer: The information presented herein has been compiled from sources considered to be dependable and is accurate as of the date issued. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use are beyond our control, we make no warranty regarding the accuracy of such data or its suitability for any use or for any consequence of its use. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Safe handling and use remain the responsibility of the purchaser and the purchaser has the sole responsibility to determine the suitability of the materials for any use and the manner of user contemplated. We assume no responsibility for injury to the recipient or to third persons or for any damage to any property and the recipient assumes all such risks.