



SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: **ELIMINATOR 104 – Mist Lube**

Other means of identification: None

Supplier: HE&M Inc.
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Pryor, OK 74361

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+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 104 – Mist Lube is a mixture.



Components/Ingredients

CAS No.

% Range*

No hazardous components

*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	Irrigate with flowing water immediately and continuously for a minimum of 15 minutes. If wearing contact lenses remove first, if able. Seek medical assistance immediately if irritation occurs.
Skin	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Seek medical advice.
Ingestion	Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice.
Inhalation	Move to fresh air. Artificial respiration and/or oxygen may be necessary. Seek medical advice.
Notes to Physician	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treatment should in general be symptomatic and directed to relieving any effects.
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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	No information available.
Specific Hazards during fire fighting	Cool closed containers exposed to fire with water spray.
Hazardous Combustion Products	Carbon oxides (CO, CO ₂), nitrogen oxides (NO _x), sulfur oxides (SO _x), smoke and irritating vapors as products of incomplete combustion.
Further Information	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

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Personal Precautions, Protective Equipment, and Emergency Procedures	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.
Environmental Precautions	Do not allow uncontrolled discharge of product into the environment.
Methods and Materials for Containment and Cleaning Up	Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation. Contact the proper local authorities.

7. HANDLING AND STORAGE

Handling	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Use only with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Keep away from heat and sources of ignition. Keep container closed when not in use.
Storage	Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Showers, eyewash stations, and ventilation systems are appropriate.
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 Metalworking Fluids – Particulates Not Otherwise Classified	OSHA – TWA 5 mg/m ³ (8 hour) NIOSH – TWA REL (Recommended Exposure Limit) 0.5 mg/m ³ total particulate (10 hour / day; 40 hour work week)
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.
Eye / Face Protection	If contact from spray or splashing, safety glasses with side-shields are recommended.
Skin Protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn always when handling chemical products if a risk assessment indicates this is necessary.
Respiratory Protection	The choice of respiratory protections is dependent upon the environment the product is being used and the environment of the product is used in. Safety procedures should be

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developed for all intended conditions of handling and use of this product.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Purple viscous Liquid
Odor	Mild petroleum Odor
Odor Threshold	Not Determined
pH	Not Applicable
Pour Point	1°F
Initial Boiling Point and Boiling Range	Not Determined
Flash Point	>400°F (COC)
Evaporation Rate (Butyl Acetate @ 25°C = 1)	Not Determined
Flammability (solid, gas)	Not Applicable
Upper Explosive Limit / Lower Explosive Limit	Not Applicable
Vapor Pressure (Water @ 20°C = 17.5 mmHg)	Not Determined
Vapor Density	Not Determined
Relative Density (20°C)	0.86 – 0.88
Solubility	Insoluble
Partition Coefficient (n-octanol / water)	Not Determined
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Viscosity	22.3 cSt (40°C / 104°F)

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended handling and storage conditions.
Conditions to Avoid	No data available
Incompatible Materials	Oxidizers and Reducing agents.
Hazardous decomposition materials	May release COx, smoke and irritating vapors when heated to decomposition.
Reactivity	Not expected.
Other Information	None known.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Skin Contact, Eye Contact

Potential Acute Health Effects

Eye Contact	No data available.
Skin Contact	No data available.
Inhalation	No data available.
Ingestion	No data available.

Component	Result	Species	Dose	Exposure
Lubricating oils (petroleum)	LD50 Dermal	Rabbit	>2,000 mg/kg	
	LD50 Oral	Rat	>5,000 mg/kg	
	LC50 Inhalation	Rat	>5.2 mg/l	4 hours

Symptoms related to; physical, chemical and toxicological characteristics
Eye Contact No data available.

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Skin Contact	No data available.
Inhalation	No data available.
Ingestion	No data available.
Delayed / Chronic Health Effects	
Eye Contact	No data available.
Skin Contact	No data available.
Inhalation	No data available.
Ingestion	No data available.
Skin Corrosion / Irritation	No data available.
Eye Damage / Irritation	No data available.
Skin Sensitizer	No data available.
Respiratory Sensitizer	No data available.
Germ Cell Mutagenicity	No data available.
Teratogenicity	No data available.
Developmental	No data available.
Fertility	No data available.
Carcinogenicity	No data available.
Reproductive Toxicity	No data available.
Aspiration Toxicity	No data available.
Specific Target Organ Toxicity – Single Exposure	No data available.
Specific Target Organ Toxicity – Repeated Exposure	No data available.
Additional information	None known.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity	Do not release into waterways, water systems, or land.
Terrestrial Toxicity	No data available.
Persistence and Degradability	No data available.
Bioaccumulative Potential	No data available.
Mobility in Soil	No data available.
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. 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 regulated as a dangerous good
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UN Proper Shipping Name	Not regulated as a dangerous good
Transport Hazard Class	Not regulated as a dangerous good
Packing Group	Not regulated as a dangerous good
Environmental Hazards	Marine Pollutant – Not determined
Transportation in Bulk (Annex II of MARPOL 73/78 and IBC Code)	
Special Precautions	Spilled material may be a slip hazard.
U.S. DOT / Canadian TDG	Not Regulated for shipping
IMO / IDMG	Not regulated as a dangerous good
ICAO / IATA	Not regulated as a dangerous good
ADR / RID	Not regulated as a dangerous good

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: Not Applicable

EPA SARA Title III Section 313 (40 CFR 372): Not Applicable

CLEAN AIR ACT (CAA): Not Applicable

CLEAN WATER ACT (CWA): Not Applicable

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or other harm.

16. ADDITIONAL INFORMATION

Revision Date: June 6, 2018

Revision #: 2.0

Supersedes Revision #: DML-1

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

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