

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: **ELIMINATOR 210 – High Speed Cutting Oil**

Manufacturer: HE&M Inc.
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 Mid-America Industrial Park
 Pryor, OK 74316

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Product Description: ELIMINATOR 210 is a natural, vegetable derived, straight metal removal lubricant. ELIMINATOR 210 is readily biodegradable, composed of natural renewable products. See product data sheet for a detailed description of recommended use.

2. HAZARDS IDENTIFICATION

GHS Classification: Not classified as hazardous under OSHA Hazard Communication Standards (29 CFR 1910.1200).

GHS Label: Not applicable

Hazard pictogram: Not applicable

Signal word: Not applicable

Hazard Statement: Not applicable

Precautionary statements: Not applicable

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Hazards Not Otherwise Classified (HNOC): Prolonged or repeated contact may cause defatting, drying or irritation.

HMIS	Health 1	Flammability 1	Physical Hazard 0	PPE
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NFPA	Health 1	Flammability 1	Chemical Reactivity 0	Special Hazards None
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: ELIMINATOR 210 is a readily biodegradable, natural vegetable derived lubricant.

Components/Ingredients	CAS No.	% Range*
Vegetable Oil	Proprietary*	<80
Methyl Palmitate	112-39-0	<10
Methyl Stearate	112-61-8	<10
Multi-functional vegetable based polyester polymer	Proprietary*	<10

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

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4. FIRST AID MEASURES

Eye	Irrigate with flowing water immediately and continuously for a minimum of 15 minutes. If wearing contact lenses remove first. Get medical assistance immediately if irritation occurs.
Skin	Thoroughly rinse contact areas with ample amounts of water and soap. Sensitive individuals may require gloves. If clothing or shoes are contaminated; remove immediately and wash before using again.
Ingestion	May cause gastrointestinal irritation. If conscious, rinse out mouth and drink water. Seek medical attention immediately. Never give anything by mouth to an unconscious person. If a person vomits when lying on their back, immediately place them in the recovery position to prevent aspiration of vomit. DO NOT induce vomiting.
Inhalation	If inhaled, move to fresh air. The exposed person may need to be kept under medical attention. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be required. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Seek medical attention. Most important symptoms/effects, acute and delayed See Section 11 for more detailed information on health effects and symptoms. Description of necessary first aid measures / specific treatments No specific treatment.
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.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Alcohol-resistant foam, dry chemical, and carbon dioxide are appropriate extinguishing media. Avoid using water jet to extinguish flames.
Hazardous Combustion Products	Combustion products may include the following: carbon oxides (CO, CO ₂), and other undetermined byproducts of combustion.

Special Fire Fighting Instructions	Keep people away and evacuate the area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self – contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.	
Unusual Fire or Explosion Hazards	None known.	
Flash Point (COC)	>500°F	
Auto Ignition Temperature	Not determined	
Explosion Limits	LEL: Not determined	UEL: Not determined

6. ACCIDENTIAL 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	Dike spilled material to prevent spreading and any releases of this material to the environment. DO NOT allow material to enter waterways or water systems. In the case of a spill or accidental release, notify proper authorities in accordance to regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway. The National Response Center can be contacted at (800)424-8802.
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	Ensure adequate ventilation. Keep out of reach of children or individuals not educated and familiar with the potential hazards of this material. Avoid contact with eyes. Do not ingest. Avoid prolonged or repeated contact with skin. Do not mix or contaminate with other chemicals. Do not eat, drink or smoke while using this product. Avoid high heat, flames, ignition sources, or UV light. Wear appropriate PPE, avoid breathing vapor or mist. Empty containers retain product residue and can be hazardous. Keep in the original container or an alternative made from a compatible material; keep closed when not in use. Do not reuse original container.
Storage	Store in a closed, properly labeled container, in accordance with all regulations. Store in the original container, away from direct sunlight, and incompatible materials. Store at temperatures below 100°F. Keep container tightly sealed when not in use.

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.
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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 15 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	Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. 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	No skin protection is ordinarily required under normal conditions of use. Use of protective gloves is a good practice. Use of chemically resistant gloves is recommended when used for prolonged periods or by individuals whom are dermally sensitive. When the risk of skin exposure is high, chemical resistant aprons and/or impervious chemical suits and boots may be required. PPE for the body should be selected based on the potential for contact with the product and the potential risks involved if contact may occur.
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 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	Clear, Light Golden, Liquid
Odor	Mild Odor
Odor Threshold	Not Determined
pH	Not Applicable
Melting Point / Freezing Point	<32°F (0°C)
Initial Boiling Point and Boiling Range	Decomposition expected before boiling point
Flash Point	>500°F (COC)
Evaporation Rate (Butyl Acetate @ 25°C = 1)	<1
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
Specific Gravity (20°C)	0.85 – 0.95
Solubility	Not Soluble in Water
Partition Coefficient (n-octanol / water)	Not Determined
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Viscosity	10 – 12 cSt @ 40°C

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended handling and storage conditions.
Conditions to Avoid	Avoid high heat, flames, and ignition sources, UV light, and incompatible materials. Flammable vapors may form from atomizing or holding material at temperatures above flash point.
Incompatible Materials	Oxidizers, acid, alkali, and water.
Hazardous decomposition materials	Carbon dioxide, carbon monoxide, and other unknown incomplete products of combustion.
Reactivity	Not expected.

11. TOXICOLOGICAL INFORMATION

Potential Acute Health Effects

Eye Contact	May be irritating to eyes.
Inhalation	Not determined.
Skin Contact	Not expected to be irritating.
Ingestion	May cause gastrointestinal irritation.

Symptoms related to; physical, chemical and toxicological

characteristics:

Eye Contact	Irritation, dryness, stinging, tearing.
Inhalation	Not determined.
Skin Contact	Sensitive individuals or persons with open wounds may experience
irritation. Ingestion	Not determined.

Delayed / Chronic Health Effects

Eye Contact	Irritation, dryness, stinging, tearing and itching.
Skin Contact	Prolonged or repeated contact can cause skin defatting, leading to; dermatitis, cracking, and irritation.
Ingestion	Ingestion may cause gastrointestinal irritation.
Inhalation	Not determined.

Potential Chronic Health Effects

Carcinogenicity	Not determined
Mutagenicity	Not determined
Teratogenicity	Not determined
Developmental	Not determined
Fertility	Not determined

Skin Corrosion / Irritation	Mixture not classified as a Skin Corrosion Hazard or Skin Irritation Hazard.
Eye Damage / Irritation	Mixture not classified as an Eye Damage Hazard or Eye Irritation Hazard.
Germ Cell Mutagenicity	Mixture not classified.
Carcinogenicity	Mixture not classified.
Reproductive Toxicity	Mixture not classified.
Specific Target Organ Toxicity – Single Exposure	Mixture not classified.
Specific Target Organ Toxicity – Repeated Exposure	Mixture not classified.
Aspiration Toxicity	Mixture not classified.

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.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity	Do not release into waterways, water systems, or land. Not determined to be classified under 1910.1200, with an aquatic toxicity profile classification.
Terrestrial Toxicity	Not determined.
Persistence and Degradability	Readily biodegradable per information of mixtures components.
Bioaccumulative Potential	Not expected to accumulate in organisms.
Mobility in Soil	Not determined.
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 Applicable
UN Proper Shipping Name	Not Applicable
Transport Hazard Class	Not Applicable
Packing Group	Not Applicable
Environmental Hazards	Marine Pollutant – NO
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 Classified as Hazardous
NMFC Number	
Freight Class	55

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, ENCS

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 any other harm.

16. ADDITIONAL INFORMATION

Revision Date: July 12, 2017

Revision #: HEM-3

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.

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