SAFETY DATA SHEET

1. IDENTIFICATION

Product Name:	**ELIMINATOR 211- Synthetic Gear Oil**
Supplier:	HE&M Inc. PO Box 1148 4065 S. 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 US and Canada +01-352-323-3500
Product Description	Eliminator 211 is a circulating/gear oil. See product data sheet for a detailed description of recommended use.

2. HAZARDS IDENTIFICATION

GHS Classification	EYE DAMAGE / IRRITATION – Category 2A ACUTE TOXICITY – Category 4
GHS Label Hazard pictogram	
Signal word	Warning
Hazard Statement	Harmful if swallowed Causes skin irritation Causes serious eye irritation. Harmful to aquatic life with long-lasting effects
Precautionary statements	
Prevention	P273 - Avoid release to the environment.
Response	Not applicable
Storage	Not applicable
Disposal	P501 – Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Eliminator 211 is a premium synthetic gear oil.

Components/Ingredients	CAS No.	%
Proprietary Non-hazardous components	Proprietary	>50.0
1-decene, homopolymer hydrogenated	68037-01-4	5 - 10%
Triphenyl phosphate	115-86-6	0.1 ≤ 1%

4. FIRST AID MEASURES

Eye — Irrigate with flowing water immediately and continuously for a minimum of 15 minutes. Get medical assistance immediately if irritation occurs.

Skin — Wash contact areas with soap and water. Wash contaminated clothing and shoes before reuse. Any injection injury from high pressure equipment should be evaluated immediately by a physician as potentially serious (see Notes to Physician). Sensitive individuals may require gloves.

Ingestion — Rinse mouth out with water. If spontaneous vomiting occurs, keep head below hips, or if patient is lying down, turn body and head to side to prevent aspiration and monitor for breathing difficulty. Keep affected person warm and at rest. If symptoms develop, seek medical attention.

Inhalation — If inhaled, remove to fresh air. The exposed person may need to be kept under medical attention. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Preexisting skin conditions and/or respiratory disorders may be aggravated by exposure to this product.

Description of necessary first aid measures / specific treatments

Notes to physician SKIN: Leaks or accidents involving high-pressure equipment may inject a stream of material through the skin and initially produce an injury that may not appear serious. Only a small puncture wound may appear on the skin surface but, without proper

treatment and depending on the nature, original pressure, volume, and location of the injected material, can compromise blood supply to an affected body part. Prompt surgical debridement of the wound may be necessary to prevent irreversible loss of function and/or the affected body part. High pressure injures may be SERIOUS SURGICAL EMERGENCIES.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Class B fire extinguishing media: Foam, dry chemical, water spray and carbon dioxide are appropriate extinguishing media. Do not use a solid water stream as it may scatter and spread fire.
Hazardous Combustion Products	Combustion products may include the following: Smoke carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide) other products of incomplete 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. Water spray and foam must be applied carefully to avoid frothing and from as far a distance as possible. 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	Product is not combustible per the OSHA Hazard Communication Standard, but will ignite and burn at temperatures exceeding the flash point.
Flash Point (COC)	>210°C (410°F) [ASTM D-92]
Auto Ignition Temperature	Not determined
Explosion Limits	LEL: 0.9 UEL: 7.0

6. ACCIDENTAL RELEASE MEASURES

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.

Wipe up or mop up spill and absorb material with appropriate material. Dispose of material in accordance with Federal, State and Local regulations. Do not touch or walk through spilt

material. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment. Surfaces may be slippery.

7. HANDLING AND STORAGE

Handling	Wear appropriate PPE, avoid breathing vapor or mist. Do not ingest. 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. Avoid prolonged or repeated contact with skin. Use good personal hygiene practices. Wash thoroughly after handling. Do not cut, drill, grind, or weld on empty containers since explosive residues may remain. Refer to applicable government bodies for federal, state, and local requirements. High-pressure injection of any material through the skin is a serious medical emergency even though the small entrance wound at the injection site may not initially appear serious. These injection injuries can occur from high-pressure equipment such as paint spray or grease or guns, fuel injectors, or pinhole leaks in hoses or hydraulic lines and should all be considered serious. (See First Aid section 4)
Storage	Store in a closed, properly labeled container, in accordance with all regulations. Store in the original container, away from direct sun light, heat sources, and incompatible materials. Keep container tightly sealed when not in use.
Incompatible Materials	Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Local or general exhaust required when using at elevated temperatures that generate vapors or mists. Ensure eyewash/safety shower stations are available near areas where this product is used.
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.

Personal Protective Equipment

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the

selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/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	Use safety glasses, goggles, or face shield if the potential for splashing exists.
Skin Protection	No skin protection is ordinarily required under normal conditions of use. Use of protective gloves is a good practice. 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.
Hand Protection	The use of protective gloves is recommended for sensitive individuals. Protective skin creams may be used. Wear chemical resistant gloves when handling the concentrate material. Wear protective gloves if prolonged or repeated contact is likely.
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. Use an approved organic vapor chemical cartridge or supplied air respirators when material produces vapors that exceed permissible exposure limits or excessive vapors are generated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, orange, Liquid
Odor	Characteristic
Odor Threshold	Not Determined
pH	7.0 – 7.3
Melting Point / Freezing Point	~32°F (0°C)
Initial Boiling Point and Boiling Range	> 316°C (600°F)
Flash Point	>210°C (410°F)
Evaporation Rate (Butyl Acetate @ 25°C = 1)	<1
Flammability (solid, gas)	LEL: 0.9 UEL: 7.0
Upper Explosive Limit / Lower Explosive Limit	Not Applicable
Vapor Pressure (Water @ 20°C = 17.5 mmHg)	Not Determined
Vapor Density (Air = 1)	> 2 at 101 kPa
Specific Gravity (20°C)	0.867 – 0.875

Solubility	Negligible
Partition Coefficient (n-octanol / water)	>3.5
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Viscosity	460 cSt @ 40°C
Pour Point:	-30°C (-22°F)

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Avoid high heat, flames or ignition sources.
Incompatibility with other Materials	Strong oxidizing agents.
Hazardous decomposition materials	Hazardous decomposition products are not expected to form under normal storage conditions.
Hazardous polymerization	Not expected to occur.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure Routes of entry anticipated: Dermal, Inhalation.

Potential Acute Health Effects

Eye Contact	Exposure to vapor or contact with liquid may cause eye irritation.
Inhalation	No significant adverse health effects are expected to occur upon short-term exposure.
Skin Contact	Prolonged or repeated exposure may cause redness, drying, and cracking of skin.
Ingestion	May cause irritation of the mouth, throat, and gastrointestinal tract. If aspirated into lungs, this material can cause severe lung damage.

Symptoms related to; physical, chemical and toxicological characteristics

Eye Contact	Irritation, dryness, stinging, tearing
Inhalation	Not expected to be a respiratory sensitizer
Skin Contact	Skin irritation, dryness, redness, cracking
Ingestion	Iritation

Delayed / Chronic Health Effects

This product is considered to have a low order of acute and chronic oral and dermal toxicity.

Potential Chronic Health Effects

Carcinogenicity	Not known
Mutagenicity	Not known
Teratogenicity	Not known
Developmental	Not known
Fertility	Not known

12. ECOLOGICAL INFORMATION

Environmental Effects:	The intrinsic properties of this product may inhibit respiration and transpiration of both plants and animals. 96-hour LC50= 5000 mg/L Rainbow trout for CAS# 64742-54-7
Biodegradation:	Not determined
Bioaccumulation Potential:	Contains components with the potential to bioaccumulate.
Mobility	Insoluble in water

13. DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Dispose of in accordance to federal, state and local regulations for hydrocarbons. Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums 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.
RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrositivity 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

Proper Shipping Name

LAND (DOT):	Not regulated for land transport
LAND (TDG):	Not regulated for land transport

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: Under some use conditions, this material may be considered to be hazardous in accordance with OSHA 29 CFR 1910.1200.

Complies with the following national/regional chemical inventory requirements: AICS, ENCS, IECSC, KECI, PICCS, TSCA

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

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None

SARA (313) TOXIC RELEASE INVENTORY: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

The following ingredients are cited on the lists below: None.

--REGULATORY LISTS SEARCHED--

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	

Code key: CARC=Carcinogen; REPRO=Reproductive

16. ADDITIONAL INFORMATION

Revision Date: July 12, 2017
Revision #: HEM-3

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