SAFETY DATA SHEET

1. IDENTIFICATION

Product Name:	**ELIMINATOR 114 – Coolant Tank Defoamer**
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:	Metalworking Fluid Additive. 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	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (STOT) – REPEATED EXPOSURE – Category 2 ACUTE TOXICITY – Category 4
GHS Label Hazard pictogram	
Signal word	Warning
Hazard Statement	Harmful if swallowed May cause damage to organs (thyroid), (kidney and liver), (blood) through prolonged or repeated exposure (by ingestion).
Precautionary statements	
Prevention	Do not breathe dust, fume, gas, mist, vapors or spray.
Response	Get medical advice or attention if you feel unwell.
Storage	Not applicable
Disposal	Dispose of in accordance with local, regional and international regulations.
Hazards Not Otherwise Classified (HNOC)	None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture:

Components/Ingredients	CAS No.	% Range*
Polyalkyleneoxide modified Heptamethyltrisiloxane	27306-78-1	< 3%

Note: Polyalkyleneoxide modified heptamethyltrisiloxane contains CAS#s 27306-78-1 and 67674-67-3.

*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	Thoroughly rinse contact areas with water and soap. If clothing or shoes are contaminated; remove immediately and wash before using again. Seek medical attention immediately if irritation occurs. If irritation develops or persists, get medical attention.
Ingestion	DO NOT induce vomiting, unless directed to do so by appropriate medical personnel. Never give anything by mouth to an unconscious person. If person is conscious, rinse out mouth with water. Seek medical attention immediately.
Inhalation	Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.
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	Dry chemical. Foam. Water spray. Carbon dioxide.
Unsuitable Extinguishing Media	Avoid using water jet.
Specific Hazards from Chemical	Not known.

Hazardous Combustion Products	Silicon dioxide. Incompletely burned carbon compounds. Formaldehyde. Carbon dioxide. Carbon monoxide. Dimethylcyclosiloxanes. Hydrogen gas. Silicon oxides.
Special Fire Fighting Instructions	Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers.
Unusual Fire or Explosion Hazards	No unusual fire and explosion hazards.

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	Dike spilled material to prevent spreading and any releases of this material to the environment. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.
Methods and Materials for Containment and Cleaning Up	Contain spill, place into drums for proper disposal. Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. May generate formaldehyde at temperatures greater than 300 F (150 C). Avoid formation of aerosols.
Storage	Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Keep away from all sources of ignition. Do not freeze. See Section 10 for incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	General room ventilation is required. Local exhaust ventilation may be necessary for some operations. Maintain adequate ventilation. Avoid creating dust or mist. Do not use in closed or confined spaces.
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	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	Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.
Skin Protection	Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Chemical-resistant. Impervious.
Respiratory Protection	Respiratory protection may be required to avoid overexposure when handling this product. If exposure limits are exceeded, wear: NIOSH-Approved respirator. NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.
Special Instructions for Protection and Hygiene	Eye-wash station. Safety shower. Protective clothing. NOTE: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. Wash hands at the end of each work shift and before eating, smoking or using the toilet.
Note	When heated to temperatures above 150 degrees C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White viscous liquid
Odor	Mild Odor
Odor Threshold	Not Determined
pH	7.50
Melting Point / Freezing Point	Not Determined
Initial Boiling Point and Boiling Range	Not Determined
Flash Point	Not Determined
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)	0.99 – 1.01
Solubility	Miscible
Partition Coefficient (n-octanol / water)	Not Determined
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Viscosity	1450 cPs

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended handling and storage conditions.
Conditions to Avoid	Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames.

Incompatible Materials	Oxidizing agents. Strong acids. Strong bases.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur under normal conditions. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 deg. C (302 deg. F) through oxidation.
Hazardous decomposition materials	Silicon dioxide. Incompletely burned carbon compounds. Formaldehyde. Hydrogen gas. Carbon monoxide. Carbon dioxide. Dimethylcyclosiloxanes. Silicon oxides.
Reactivity	No Data Available.
Other Information	None known.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eyes. Ingestion. Inhalation. Skin.
Potential Acute Health Effects	
Eye Contact	May cause mild irritation.
Skin Contact	May cause mild irritation.
Inhalation	No significant effects from a shingle short-term exposure.
Ingestion	May be harmful if swallowed. No hazard expected under normal use. May cause: gastrointestinal irritation, Nausea, Vomiting, diarrhea, repeated overexposure may cause damage to the: liver. Thyroid. kidneys. blood-forming system.
Symptoms related to; physical, chemical and toxicological characteristics	
Eye Contact	Irritation, dryness, stinging, tearing.
Skin Contact	Irritation, redness, defatting, drying, and cracking. Sensitive individuals or persons with open wounds may experience higher degrees of irritation.
Inhalation	Not determined, may cause respiratory irritation.
Ingestion	Not determined.
Delayed / Chronic Health Effects	
Eye Contact	Irritation, dryness.
Skin Contact	Irritation, redness, defatting, drying, and cracking.
Inhalation	Preexisting respiratory conditions may be aggravated by exposure.
Ingestion	Information based on components of this mixture have may indicate that prolonged or repeated exposure may cause liver and kidney damage.
Skin Corrosion / Irritation	Mixture not determined
Eye Damage / Irritation	Mixture not determined
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 does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.
Reproductive Toxicity	Mixture not determined
Aspiration Toxicity	Mixture not determined
Specific Target Organ Toxicity – Single Exposure	Mixture not determined
Specific Target Organ Toxicity – Repeated Exposure	May be harmful if swallowed. No hazard expected under normal use. May cause: gastrointestinal irritation, Nausea, Vomiting, diarrhea, repeated overexposure may cause damage to the: liver. Thyroid. kidneys. blood-forming system. Category 2.
Additional information	None known.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity	Do not release into waterways, water systems, or land. Material is water soluble. May cause adverse physical affects to aquatic organisms. Not determined for classification under 1910.1200.
Terrestrial Toxicity	Not determined.
Persistence and Degradability	Mixture not determined.
Bioaccumulative Potential	Mixture not determined.
Mobility in Soil	Mixture 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

Dispose of in accordance with all local, state and federal regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition.

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 – 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 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: Delayed chronic health hazard. Specific target organ toxicity (repeated exposure) to organs (thyroid), (kidney and liver), (blood) through prolonged or repeated exposure (by ingestion). Acute toxicity.

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 may contain trace amounts of ethyl acrylate. This product may also contain a detectable level of the following chemical(s) subject to California proposition 65: Formaldehyde.

16. ADDITIONAL INFORMATION

Revision Date: July 25, 2019
Revision #: 3.1
Supersedes Revision #: 3.0
Prepared or Revised By: HE&M Inc.

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
	1*	1	0	B
NFPA	Health	Flammability	Chemical Reactivity	Special Hazards
	1	1	0	None Known

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