




SAFETY DATA SHEET

1. IDENTIFICATION

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| Product Name: | ELIMINATOR 103 – Premium Soluble |
| 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

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| GHS Classification | This material is classified in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| Classification | ACUTE TOXICITY (oral) – Category 4 EYE IRRITATION – Category 2A SKIN SENSITIZATION – Category 1 AQUATIC (Acute) TOXICITY – Category 2 |
| GHS Label Hazard pictogram |  |
| Signal word | Warning |
| Hazard Statement | H302 - Harmful if swallowed. H319 - Causes serious eye irritation. H317 - May cause an allergic skin reaction. H401 – Toxic to aquatic life. |
| Precautionary statements Prevention | P262 – Do not get in eyes, on skin, or on clothing. P264 – Wash hands and any parts of exposure thoroughly after handling. P270 – Do not eat, drink or smoke when using this product. P273 – Avoid release to the environment. P280 – Wear protective gloves, protective clothing, face and eye protection. |

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| Response | <p>P301+P310+P330 - IF SWALLOWED: Call a POISON CENTER/physician if you feel unwell. Rinse mouth.</p> <p>P302 + P352 + P362 + P363 - IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.</p> <p>P332 + P313 - If skin irritation or rash occurs: Get medical attention.</p> <p>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337 + P313 - If eye irritation persists: Get medical attention.</p> <p>P391 – Collect Spillage.</p> |
| Storage Disposal | <p>Not applicable</p> <p>P501 – Dispose of contents and container in accordance with all local, regional, national and international regulations.</p> |
| Hazards Not Otherwise Classified (HNOC) | <p>May be defatting to the skin.</p> |

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture:

| Components/Ingredients | CAS No. | % Range* |
|--|--------------|----------|
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 50 – 70 |
| Medium chain chlorinated paraffin | 1372804-76-6 | 1 – 5 |
| Triazine | Proprietary | 1 – 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

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| 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. |
| 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. In the event of any complaints or symptoms, avoid further exposure. |
| Ingestion | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. DO NOT induce vomiting, unless directed to do so by appropriate medical personnel. |
| Inhalation | Contact a medical professional immediately. Effects of inhalation are not established. It is a good practice to remove victim to fresh air and from further exposure when inhalation occurs. If patient experiences irritation to the respiratory system, dizziness, nausea, or unconsciousness, seek medical attention immediately. |

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| 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

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| Extinguishing Media | Halon, alcohol-resistant foam, dry chemical, and carbon dioxide are appropriate extinguishing media. |
| Unsuitable Extinguishing Media | Avoid using water jet. |
| Specific Hazards from Chemical | Not known. |
| Hazardous Combustion Products | Combustion products may include the following: oxides of carbon (CO, CO ₂), oxides of nitrogen, and other undetermined byproducts of combustion. |
| Special Fire Fighting Instructions | 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). |
| Unusual Fire or Explosion Hazards | Contents in closed container, in a fire or if held at a high temperature for extended periods of time, may cause a pressure increase and cause the container to burst. Excessive heat > 147°C (>297°F) will result in partial decomposition to formaldehyde. |

6. ACCIDENTAL RELEASE MEASURES

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| 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. Avoid discharge into drains, water courses or onto the ground. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center. |
| 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. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth or absorbent material then place into containers. Following product recovery, flush area with water. |

7. HANDLING AND STORAGE

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| 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

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| 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 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) |
| Distillates (petroleum), hydrotreated heavy naphthenic (component) | OSHA – PEL 5 mg/m ³ TWA (8 hours) ACGIH – TLV 5 mg/m ³ – TWA (8 hours) Inhalable fraction NIOSH – REL 5 mg/m ³ – TWA (10 hours) Mist 10 mg/m ³ – STEL (15 minutes) Mist |
| Personal Protective Equipment | |
| Eye / Face Protection | If contact from spray or splashing is likely, safety glasses with side-shields are recommended. |
| Skin Protection | Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. |
| Respiratory Protection | Under normal conditions, respirator is not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. |
| 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

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| Appearance | Golden to Amber Colored, Liquid |
| Odor | Mild Petroleum Odor |
| Odor Threshold | Not Determined |
| pH | 9.0 – 10.5 @ 5.0% w/w in water |
| 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) | 0.90 – 0.93 |
| Solubility | Miscible |
| Partition Coefficient (n-octanol / water) | Not Determined |
| Auto-ignition Temperature | Not Determined |
| Decomposition Temperature | Not Determined |
| Viscosity | Not Determined |

10. STABILITY AND REACTIVITY

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| 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 | Strong oxidizers, reducing agents, Strong amines. |
| Hazardous decomposition materials | Carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen chloride, chlorine, formaldehyde and other unknown incomplete products of decomposition. |
| Reactivity | Not expected. |
| Other Information | None known. |

11. TOXICOLOGICAL INFORMATION

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| Likely Routes of Exposure: | Skin Contact, Eye Contact | | | |
| Potential Acute Health Effects | | | | |
| Eye Contact | Causes serious eye irritation. Category 2A | | | |
| Skin Contact | May cause an allergic skin reaction. | | | |
| Inhalation | No significant effects or critical hazards. | | | |
| Ingestion | Harmful if swallowed. | | | |
| Component | Result | Species | Dose | Exposure |
| Mineral oil | LD50 Dermal | Rabbit | >2,000 mg/kg | |
| | LD50 Oral | Rat | >5,000 mg/kg | |
| Triazine | LD50 Dermal | Rat | >2,000 mg/kg | |
| | LD50 Oral | Rat | 1,009 – 3950 mg/kg | |
| Symptoms related to; physical, chemical and toxicological characteristics | | | | |
| Eye Contact | Irritation, watering, redness. | | | |
| Skin Contact | Irritation, redness | | | |
| Inhalation | No specific data | | | |

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| Ingestion | No specific data |
| Delayed / Chronic Health Effects Skin Sensitizer | Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Respiratory Sensitizer | Mixture not determined |
| Germ Cell Mutagenicity | Mixture not determined |
| Teratogenicity | Mixture not determined |
| Developmental | Mixture not determined |
| Fertility | Mixture not determined |
| Carcinogenicity | Mixture not determined |
| 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 | Mixture not determined |
| Additional information | None known. |

12. ECOLOGICAL INFORMATION

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|----------------------------------|--|-----------------------------|----------------|-----------------|
| Aquatic Toxicity | Do not release into waterways, water systems, or land. May cause adverse physical affects to aquatic organisms. Not determined for classification under 1910.1200. | | | |
| | Component | Result | Species | Exposure |
| | MCCP | EC50 0.0059mg/l | Daphnia Magna | 48 hours |
| | | NOEC 0.010 mg/l | Daphnia Magna | 21 day |
| | Triazine | EC50 10 to 100 mg/L (acute) | Daphnia Magna | 48 hours |
| Terrestrial Toxicity | Not determined. | | | |
| Persistence and Degradability | Expected to be partially biodegradable. | | | |
| Bio accumulative Potential | Mixture may have the potential to bioaccumulate. | | | |
| 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

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

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| U.S. DOT / Canadian TDG | Not Regulated for shipping |
| IMO / IDMG | Regulated |
| UN Number | UN3082 |
| UN Proper Shipping Name | Environmentally hazardous substance, liquid, n.o.s. |
| Transport Hazard Class | 9 |
| Packing Group | III |
| Labels Required | 9 |
| Additional Information: | |
| Packaging Exceptions | 155 |
| ERG | 171 |
| Environmental Hazards | Marine Pollutant – Yes |
| ICAO / IATA | |
| UN Number | UN3082 |
| UN Proper Shipping Name | Environmentally hazardous substance, liquid, n.o.s. |
| Transport Hazard Class | 9 |
| Packing Group | III |
| Labels Required | 9 |
| Additional Information | |
| Packaging Exceptions | 914 |

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.

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 and/or other reproductive harm.

16. ADDITIONAL INFORMATION

Revision Date: January 28, 2019

Revision #: 3

Supersedes Revision #: 2.0

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

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