# SAFETY DATA SHEET

## 1. IDENTIFICATION

Product Name: **ELIMINATOR 111 – Turbo Drill**

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| Supplier: | HE&M Inc.<br>PO Box 1148<br>4065 South Main & Webb<br>Mid America Industrial Park<br>Pryor, OK 74361 |
| Telephone: | (888) 729-7787<br>(918) 825-4821 |
| Fax: | (918) 825-4824 |
| In case of Emergency: | INFOTRAC<br>US and Canada<br>(800) 535-5053<br>Outside the US or Canada<br>+01-352-323-3500 |
| Product Description | Industrial metalworking fluid. See product data sheet for a detailed description of recommended use. |

## 2. HAZARDS IDENTIFICATION

**GHS Classification**

Acute Aquatic Hazard – Category 2
Long-Term Aquatic Hazard – Category 2

**GHS Label**

Hazard pictogram

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| Signal word | Warning |
| Hazard Statement | H411 – Toxic to aquatic life with long lasting effects |
| Precautionary statements | |
| Prevention | P273 – Avoid release to the environment |
| Response | P391 – Collect Spillage |
| Storage | Not applicable |
| Disposal | P501 – Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| **Other hazards** | Defatting to the skin |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance / Mixture** Eliminator 111 is a mixture.

| Components/Ingredients | CAS No. | % |
|---|---|---|
| Triethanolamine | 102-71-6 | < 8.0 |
| Corrosion Inhibitor | Proprietary | < 6.0 |

*All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.
N/E = Not Established.
N/A = Not Applicable.

## 4. FIRST AID MEASURES

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| 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. Sensitive individuals may require gloves. |
| Ingestion | Seek medical attention immediately. DO NOT induce vomiting. |
| Inhalation | If inhaled, remove to fresh air. The exposed person may need to be kept under medical attention. Get medical attention if symptoms occur. |
| Carcinogenicity | This product is not known or suspected to cause cancer. |

## 5. FIRE FIGHTING MEASURES

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| Extinguishing Media | Foam, dry chemical, and carbon dioxide are appropriate extinguishing media. DO NOT use water jet to extinguish flames. |
| Hazardous Combustion Products | Carbon dioxide, carbon monoxide and oxides of nitrogen. |
| 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. |

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| Unusual Fire or Explosion Hazards | Do not use welding or cutting torch on or near drum even when empty. If improperly reused for other product, it could ignite. |
| Flash Point (COC) | Not determined |
| Auto Ignition Temperature | Not determined |
| Explosion Limits | LEL: No data UEL: No data |

## 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 oil-dri. 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

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| Handling | Avoid high heat, flames or ignition sources. 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. During normal usage, solid particles from work pieces or tooling will contaminate the fluid and may cause abrasions of the skin. Certain materials such as; chromium, cobalt, and nickel, can contaminate the metalworking fluid, which may cause allergic skin reactions. It is critical to monitor the fluids concentration, and maintain the fluid concentration at the recommended level. An increase in concentration may lead to excessive defatting of the skin. It is important to minimize the amount of tramp oil introduced to the working fluid, and remove as much foreign oil, fines and debris from the fluid as often as possible. |
| 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. |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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| Engineering Controls | The level of protection and types of controls necessary will vary |

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| | depending upon potential exposure conditions. No special requirements under ordinary conditions of use and with adequate ventilation. |
| 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. |
| Triethanolamine | **ACGIH TLV**<br>TWA: 5 mg/m$^3$ – 8 hours |

**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.

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| Eye / Face Protection | If contact is likely, 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. 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. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | Clear, Liquid |
| Odor: | Mild Characteristic Odor |
| Odor Threshold: | Not Determined |
| Flash Point: | Not available |
| Melting/Freezing Point: | <0°C (32°F) |
| Flammable Limits: | LEL: No data UEL: No data |
| Flammability (solid, gas): | Not determined |
| Auto-ignition Temperature: | Not determined |
| Boiling Point / Range: | >100°C (>212°F) |
| Evaporation Rate (N-Butyl Acetate = 1): | Not determined |
| Vapor Pressure: | Not determined |
| Vapor Density: | Not determined |
| Decomposition Temperature: | Not Determined |
| pH: | 9.0 – 9.35 |
| Partition coefficient: n-octanol/water | Not determined |
| Solubility in Water: | Soluble |
| Relative Density: | 1.02 – 1.05 |
| Viscosity | Not available |

## 10. STABILITY AND REACTIVITY

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| Chemical Stability | Stable under recommended storage conditions. |
| Conditions to Avoid | Avoid high heat, flames or ignition sources. |
| Incompatibility with other Materials | Strong acids and oxidants. |
| Hazardous decomposition materials | Carbon dioxide, carbon monoxide and oxides of nitrogen. |
| Hazardous polymerization | Will not occur. |

## 11. TOXICOLOGICAL INFORMATION

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

**Potential Acute Health Effects**

Eye Contact No significant effects or critical hazards.

Inhalation Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin Contact Defatting to the skin; may cause skin dryness and irritation.

Ingestion Not expected; no known significant effects or critical hazards.

**Symptoms related to; physical, chemical and toxicological characteristics**

Eye Contact Irritation, dryness, stinging, tearing

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| Inhalation | Not determined |
| Skin Contact | Skin irritation, dryness, redness, cracking |
| Ingestion | Not determined |

**Delayed / Chronic Health Effects**

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| Eye Contact | Stinging, itching, and irritation. |
| Skin Contact | Prolonged or repeated contact can cause skin defatting, leading to; dermatitis, cracking, and irritation. |
| Ingestion | While not likely, ingestion may cause nausea and diarrhea. |

**Potential Chronic Health Effects**

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

## 12. ECOLOGICAL INFORMATION

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| Environmental Effects: | Water polluting material and may be harmful to the environment if released in large quantities. This material is toxic to aquatic life with long lasting effects. |
| Biodegradation: | Not determined |
| Bioaccumulation Potential: | Not determined |
| Mobility | Soluble 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, corrosively 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:** 102-71-6 triethanolamine

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

**California Prop 65:** The following chemicals are known to the State of California to cause cancer, birth defects, or other reproductive harm.

123-91-1 1,4-Dioxane
9003-11-6 polyalkylene glycol

## 16. ADDITIONAL INFORMATION

Revision Date: February 27th, 2018
Revision #: 3.0

Disclaimer: The information presented herein has been compiled from sources considered to be dependable and is accurate as of the date issued. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use are beyond our control, we make no warranty regarding the accuracy of such data or its suitability for any use or for any consequence of its use. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Safe handling and use remains the responsibility of the purchaser and the purchaser has the sole responsibility to determine the suitability of the materials for any use and the manner of user contemplated. We assume no responsibility for injury to the recipient or to third persons or for any damage to any property and the recipient assumes all such risks.