



SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: **ELIMINATOR 132 – Low Temp**

Other means of identification: 1,2-propanediol

Supplier: HE&M Inc.
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Recommended Use: Industrial Metalworking Fluid Concentrate. 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 Not applicable

GHS Label

Hazard pictogram None

Signal word None

Hazard Statement Not hazardous.

Precautionary statements Not hazardous.

Prevention Not hazardous.

Response Not hazardous.

Storage Not hazardous.

Disposal Not hazardous.

Hazards Not Otherwise Classified (HNOC) None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture:

Components/Ingredients

CAS No.

% Range*

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No hazardous components

*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	Flush eyes with water for 15 minutes. Seek medical attention.
Skin	Wash skin with water.
Ingestion	Rinse mouth with water if conscious. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Notes to Physician	None expected under normal conditions of use.

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	Use dry chemical, CO ₂ , water spray (fog), or foam.
Unsuitable Extinguishing Media	None known.
Specific Hazards from Chemical	None known.
Hazardous Combustion Products	Combustion products may include the following: oxides of carbon (CO, CO ₂).
Special Fire Fighting Instructions	Firefighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.
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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures	Protective equipment is not required under normal conditions of use. Good housekeeping practices should be employed. Isolate area. Surface might be slippery.
Environmental Precautions	As a general precaution, Propylene Glycol should not be allowed to enter the storm sewers or surface watercourses.

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Methods and Materials for
Containment and Cleaning Up

Soak up with absorbent. Place in a suitable container for disposal. Wash area with water to remove residues.

7. HANDLING AND STORAGE

Handling	Handle with care. Good housekeeping practices should be employed. Wear appropriate PPE, avoid breathing vapor or mist.
Storage	Store in a cool place. Keep container closed 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.
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	No component of this product has exposure limit values. 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	If contact from spray or splashing is likely, safety glasses with side-shields are recommended.
Skin Protection	Wear suitable chemical resistant gloves while handling.
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. Not required under normal conditions of use.
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 to amber colored Liquid
Odor	Mild Odor
Odor Threshold	Not Determined
pH	6 – 7
Melting Point / Freezing Point	-29.2°F (-34°C)
Initial Boiling Point and Boiling Range	Not Determined

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Flash Point	>100°C
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)	1.03-1.04
Solubility	Soluble in water; hygroscopic
Partition Coefficient (n-octanol / water)	Not Determined
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Viscosity	Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended handling and storage conditions.
Conditions to Avoid	High temperatures, sparks, open flames and other sources of ignition. Avoid moisture contamination.
Incompatible Materials	Strong oxidizers, strong acids, and isocyanates.
Hazardous decomposition materials	Under normal storage conditions decomposition will not occur. Thermal decomposition products are toxic and may include oxides of carbon and irritating gases.
Reactivity	Not expected.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Potential Acute Health Effects:
Eye Contact	May cause tearing and irritation.
Skin Contact	Potential irritant. May cause irritation and redness with prolonged and repeated contact.
Inhalation	May cause irritation of the upper respiratory tract.
Ingestion	May cause irritation of the upper respiratory tract. May cause digestive tract disturbances.

Component	Result	Species	Dose	Exposure
Propylene glycol	LD50 Oral	Rat	20 g/kg	
	LD50 Dermal	No data available	No data available	
	LC50 Inhalation	No data available	No data available	

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	Not classified
Eye Damage / Irritation	May cause mild irritation
Skin Sensitizer	Not classified
Respiratory Sensitizer	Not classified
Germ Cell Mutagenicity	Not classified
Teratogenicity	Not classified
Developmental	Not classified
Fertility	Not classified
Carcinogenicity	Not listed
Reproductive Toxicity	Not classified

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Aspiration Toxicity	Not classified
Specific Target Organ Toxicity – Single Exposure	Not classified
Specific Target Organ Toxicity – Repeated Exposure	Not classified
Additional information	None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity	LC50: 23,800 (Sheepshead Minnow) 96 hr EC50: above 43,500 mg/L (Daphnia) 48 hr
Biodegradability	This product has a moderate rate of biodegradation
Persistence and Degradability	Will not persist
Bioaccumulate Potential	Will not accumulate
Mobility in Soil	No data. BOD: 2.2 – 64% (theoretical 5 days)
Other Adverse Ecological Effects	None known.

13. DISPOSAL CONSIDERATIONS

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.
Empty Drum Warning:	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.
TCLP	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 determined



ICAO / IATA
ADR / RID

Not determined
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

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 and/or other reproductive harm.

16. ADDITIONAL INFORMATION

Revision Date: January 29, 2019
Revision #: 3.0
Supersedes Revision #: DML-2

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 1	Flammability 0	Physical Hazard 0	PPE B
NFPA	Health 1	Flammability 0	Chemical Reactivity 0	Special Hazards None Known

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 remain 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.