



Superior Solutions

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1-877-I-BUY-ZEP (428-9937)
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Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name ZEP LUBEZE UNIVERSAL
Product use Cutting Oil/Coolant
Product code 1538
Date of issue 03/10/05 **Supersedes** 08/08/00

Emergency Telephone Numbers

For MSDS Information:
Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency
INFOTRAC: (877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency
CHEMTREC: (800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Prepared By
Compliance Services Group
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Section 2. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
NAPHTHENIC OIL; Severely Hydrotreated Heavy Naphthenic Petroleum Oil	64742-52-5	50 - 60	ACGIH TLV (United States). TWA: 5 mg/m ³ 8 hour(s). Form: Mist OSHA PEL (United States). TWA: 5 mg/m ³ 8 hour(s). Form: Mist
MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	<10	OSHA PEL / ACGIH TLV (United States). TWA: 3 ppm 8 hour(s). OSHA /ACGIH (United States). STEL: 6 ppm 15 minute(s).

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Not applicable

Skin Non-irritating under recommended conditions of use.

Eyes Hazardous by the following route of exposure: of eye contact (irritant). Inflammation of the eye is characterized by redness, watering and itching.

Inhalation Prolonged exposure to spray mist may produce respiratory tract irritation.

Ingestion Aspiration hazard if swallowed. Can enter lungs and cause damage. Ingestion may cause gastrointestinal irritation and diarrhea.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects Prolonged or repeated contact may dry skin and cause irritation. Repeated or prolonged inhalation of spray mists may lead to chronic respiratory irritation.

See Toxicological Information (section 11)

HMIS

Health	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

Section 4. First Aid Measures

Eye Contact Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.

Skin Contact In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops. Wash contaminated skin with soap and water.

Inhalation If inhaled, remove to fresh air. If irritation persists, get medical attention.

Ingestion Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Open cup: 196°C (385°F) FLAMMABLE LIMITS Not applicable
(Cleveland).

Flammability Non-combustible.

Fire hazard

Fire-fighting procedures Wear special protective clothing and positive pressure, self-contained breathing apparatus.

**Section 6. Accidental Release Measures**

Spill Clean up Put on appropriate personal protective equipment (see section 8). Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. To clean the floor and all objects contaminated by this material, use [***]. detergent. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling Avoid contact with eyes, skin and clothing. Avoid breathing spray mists. Use with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing before reusing.

Storage Keep container tightly closed and dry. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection

	Personal Protection	Protective Clothing (Pictograms)
Eyes	Safety glasses.	
Body	Neoprene gloves. Nitrile gloves. Rubber gloves.	
Respiratory	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.	

Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Clear. Green.
pH	5% solution 8.8-9.2	Odor	Petroleum-like.
Boiling Point	Not determined.	Vapor Pressure	Not determined.
Specific Gravity	1.02 (Water = 1)	Vapor Density	Not determined.
Solubility	Miscible in water.	Evaporation Rate	Not determined.
		VOC (Consumer)	10.2%

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Incompatible with some strong acids and oxidizing agents. Reactive with sodium nitrite.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Carbon dioxide., Carbon monoxide., Hydrogen chloride (HCl). and other organic materials.

Section 11. Toxicological Information**United States****Acute toxicity****Section 12. Ecological Information**

Ecotoxicity Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream Code:** - (Not applicable.) **Classification:** - (Non-hazardous waste)

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name None.

DOT Classification Not a DOT controlled material (United States). **UN number** Not regulated.

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

TDG Classification Not a TDG-controlled material.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:
Polychlorinated alkanes (Category N583)
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.
All Components of this product are listed or exempt from listing on TSCA inventory.

State Regulations

WHMIS (Canada) Class D-2B: Material causing other toxic effects (Toxic).

Section 16. Other Information

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.
Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*