

Material Safety Data Sheet

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Infosafe No.	LPUE1	Issue Date : April 2005	ISSUED by USASDS
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Product Name : Mineral-grade Lubricants for Shredder

Not classified as hazardous

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name Mineral-grade Lubricants for Shredder
Product Use Lubricant oil used in shredders.
Company Name TIEZHI Electron Pty Ltd
Address Ai ling kan industry zone, Daling town, Dongguan city
Guangdong province 523883 China
Telephone
Number/Fax

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	White Mineral Oil	8042-47-5	99.01-100 %
	Other ingredients determined not to be hazardous	-	0-0.99 %
Other Information	SARA Section 313 Toxic Chemical Release Reporting: Not Applicable no toxic chemical is present greater than 1%. OSHA & ACGIH have set the exposure limit for mineral oil at 5mg/M ³ for oil mist in air. ACGIH lists a 10 mg/M ³ STEL for mineral oil mist. WHMIS Classification: Not Applicable this product is non-hazardous by WHMIS standards.		

3. HAZARDS IDENTIFICATION

	Emergency Overview: Clear, colourless, non-fluorescent liquid. Combustible liquid.
Human Health Effects	Inhalation: Not available. Ingestion: Has a low order of acute oral toxicity. Skin: Pre-existing dermatitis or skin disrases. Eye: Reddening and irritation of eyes. Chronic effects/carcinogenicity: Not applicable.
Environmental Hazards	This material should pose no significant hazard to the environment.

4. FIRST AID MEASURES

Inhalation	Unlikely to cause adverse effects.
Ingestion	Do NOT induce vomiting. If a large amount has been swallowed, or if symptoms develop, seek medical attention.
Skin	Wash with a mild soap containing lanoline or other emollients.
Eye	If contact with the eye(s) occur, flush eyes with clear water for 15 minutes and contact a physician if irritation persists. Take care not to rinse contaminated water into the non-affected eye.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Carbon dioxide, water, spray, foam and dry chemicals.
Specific Hazards	Directly spraying extinguishing media onto hot burning products may cause frothing and spreading of fire.
Hazardous Combustion Products	Fumes, smoke, oxides of carbon, oxides of sulfur and oxides of nitrogen.
Precautions in connection with Fire	Use self contained breathing appatatus for fighting fiers in enclosed areas.
Other Information	Flash point: 406°F Auto ignition temperature: Not available.

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6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Remove all sources of ignition. Increase ventilation. Wear appropriate breathing apparatus and full protective clothing to minimise skin and eye exposure. Do not dilute material but contain. Place inert, non-combustible absorbent material onto the spillage. Collect the material using clean non-sparking tools and place into a suitable labelled container for subsequent disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Handling Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place.

Storage Store in a cool, dry, well ventilated area, away from sources of ignition and out of direct sunlight. Keep containers closed when not in use. Store in suitable, labelled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	SUBSTANCE	OSHA PEL	ACGIH TLV	ACGIH STEL
	Mineral oil	5 mg/m ³	5 mg/m ³	10 mg/m ³

Respiratory Protection Organic vapor mask should be used if mechanical ventilation is insufficient.

Eye Protection Use splash goggles or face shield when eye contact may occur.

Hand Protection Use oil resistant gloves to avoid prolonged or repeated skin contact.

Body Protection Use chemical resistant apron to avoid contaminating regular clothing if needed.

Eng. Controls Provide general and/or local exhaust ventilation to meet the TLV.

Hygiene Measures Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear, colourless, non-fluorescent liquid.

Odour Odourless.

Melting Point Not available.

Boiling Point 500 °F

Solubility in Water Does not mix with water.

Specific Gravity (H₂O=1) 0.85

pH Value Not available

Vapour Pressure 0.01

Vapour Density (Air=1) 5

Flash Point 406 °F

Flammability Combustible solid. This product will burn if exposed to fire.

Ignition Temperature Not applicable

Relative Evaporation Rate < 0.01 (Butyl Acetate = 1)

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Hazardous Will not occur.

Polymerization

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Materials to Avoid Avoid contact with strong oxidants such as chlorine gas.
Hazardous Decomposition Products Oxides of carbon, oxides of sulfur and oxides of nitrogen.
Conditions to Avoid Not available.

11. TOXICOLOGICAL INFORMATION

Toxicology Information No toxicity data available for this substance.
Health Hazard Epidemiology studies:
Chronic Effects No special information is available for this product.
Mutagenicity No special information is available for this product.
Carcinogenicity This oil has not been classified as a carcinogenic by NTP, IARC and OSHA.
Subchronic/Chronic Toxicity Not available.
Other Information Epidemiology studies: No special information is available for this product.
Neurological effects: No special information is available for this product.
Reproductive effects: No special information is available for this product.
Structure activity data: No special information is available for this product.

12. ECOLOGICAL INFORMATION

Environ. Protection Prevent this material entering waterways, drains, sewers.
Mobility Not available.
Persistence / Degradability Not available.
Bioaccumulation Not available.
Ecotoxicity No adverse effect.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Dispose of material in a licensed landfill or incineration facility in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

U.N. Number None Allocated
Proper Shipping Name None Allocated
DG Class None Allocated
Hazchem Code None Allocated
Packing Group None Allocated
DOT Not Regulated
IATA/ICAO - Description Not Regulated
IMDG UN No Not Regulated

15. REGULATORY INFORMATION

Product is not considered to be a hazardous chemical under the Hazard Communication Standard.

16. OTHER INFORMATION

References Hazard Communication Standard.
ACGIH Threshold Limit Values.
ANSI Z400.1-1998 Material Safety Data Sheets - Preparation.
SDS History MSDS Creation: April 2005.
...End Of MSDS...