



# SAFETY DATA SHEET

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

### GHS product identifier

**Product Code: 108**

### **Product Name**

LT9X, LT9XH, LT9X55, LT9X55H, LT9X330, LT9X330H

### Other means of identification

None

### Recommended use of the chemical and restrictions on use

Recommended Use

Process fluid for honing machines. For industrial use only

Uses advised against

Do not use for grinding process

### Suppliers Details

Supplier Address

Sunnen Products Company

7910 Manchester Rd.

Saint Louis, MO 63143

Website

[www.sunnen.com](http://www.sunnen.com)

Email

[SDS@Sunnen.com](mailto:SDS@Sunnen.com)

### Manufacturer Contact

Engineered Lubricants Co.

11525 Rock Island Ct.

Maryland Heights, MO 63043

### Emergency telephone number

CHEMTREC (800) 424-9300

24 hrs./Day 7 days/ week CCN 7766 (US&CA)

## 2. HAZARDS IDENTIFICATION

### Classification

Not Classified according to 2012 OSHA HAZ COM Standard; 29 CFR Part 1910.1200

### GHS Label elements, including precautionary statements

None

### Emergency Overview

### Precautionary Statements

#### **Prevention**

None

#### **General Advice**

None

#### **Storage**

None

#### **Disposal**

None

### Hazard Not Otherwise Classified (HNOC)

Not applicable

### Other information

Prolonged skin contact may defat the skin and produce dermatitis Prolonged or repeated skin contact can cause skin irritation or oil acne: Inflammation and blackheads due to mechanical blockage of the pores.

0% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % | Trade secret |
|---------------|--------|----------|--------------|
| None          |        |          |              |

*\*The exact percentage (concentration) of composition has been withheld as a trade secret.*

### 4. FIRST AID MEASURES

#### Description of necessary first-aid measures

**INHALATION:** Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance, and call a physician. If breathing has stopped, begin mouth to mouth resuscitation.

**EYE CONTACT:** Remove contact lenses (if wearing) and flush eyes with water for 15 minutes. Seek medical attention to check for possible irritation.

**SKIN CONTACT:** Wash contact areas with mild non-abrasive soap and water.

**INGESTION:** Do not induce vomiting. Call physician or poison control center immediately.

**Most Important Symptoms/Effects** Acne, blackheads

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** water spray

#### Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. Although not classified as "combustible" (based on flash point and ignition properties) this product can be made to burn and will serve as a fuel source for a fire. Sealed containers may melt, leak, burst or explode, releasing contents and spreading fire, if exposed to extreme heat. Towels, rags or other insulating absorbent fibrous media contaminated with honing oil should be stored in appropriate fireproof container that is emptied daily to avoid spontaneous combustion hazard. Remove traces of product if soldering, welding, brazing, cutting or other process involving ignition sources to prevent a fire hazard.

#### Explosion Data

**Sensitivity to Mechanical Impact**

None.

**Sensitivity to Static Discharge**

None.

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

##### **Personal Precautions**

Wear appropriate protective clothing. Wash thoroughly after handling.

##### **Environmental Precautions**

##### **Environmental Precautions**

See Section 12 for additional Ecological Information.

##### **Methods and materials for containment and cleaning up**

**Methods for Containment**

Dike far ahead of liquid spill for later disposal.

**Methods for Cleaning Up**

Dam up. Soak up with inert absorbent material. Clean up promptly by sweeping or vacuum. Towels, rags or other insulating absorbent fibrous media contaminated with honing oil should be stored in appropriate fireproof container that is emptied daily to avoid spontaneous combustion hazard.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Handling**

Wear personal protective equipment. Use only in ventilated areas. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Avoid wearing clothing soaked with fluid. Remove and wash contaminated clothing before re-use.

Use according to package label instructions. Use only in Honing Machines. Mix only with other Sunnen Honing oils. Clean oil covered parts with alkaline cleaner. Contact with water or alkaline material can lead to formation of non-hazardous soaps which can clog the honing machines oil filter. If spilled, take caution, as material can cause surfaces to become very slippery.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep container tightly closed. Store locked up.

**Incompatible Products**

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Using proper engineering controls (local ventilation) normal honing operations should not generate mists at the operator's breathing zone. This product is considered a metalworking fluid (MWFs). Currently two OSHA air contaminant permissible exposure limits apply to MWFs. They are 5 mg/m<sup>3</sup> for an 8-hr. time weighted average (TWA) for mineral oil mist and 15 mg/m<sup>3</sup> (8hr. TWA) for Particulates Not Otherwise Classified (PNOC) [applicable to all other metalworking fluids].

The American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit value (TLV) for mineral oil is 5 mg/m<sup>3</sup> for an 8 hr. TWA and 10 mg/m<sup>3</sup> for a 15 minute short term exposure limit (STEL).

In 1998, The National Institute for Occupational Safety and Health (NIOSH) published a criteria document which recommended an exposure level (REL) for MWF aerosols of 0.4 mg/m<sup>3</sup> for thoracic particulate mass as a TWA concentration for 10 hours per day during a 40 hr. work week. Because of the limited availability of thoracic samplers, measurement of total particulate mass is an acceptable substitute. The thoracic particulate value corresponds to 0.5 mg/m<sup>3</sup> for total particulate mass.

In 1999, the OSHA Metalworking Fluids Standards Advisory Committee recommended a new 8 hr. TWA PEL of 0.4 mg/m<sup>3</sup> thoracic particulate (0.5 mg/m<sup>3</sup> total particulate).

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------|-----------|----------|------------|
| None          |           |          |            |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

**Appropriate engineering controls****Engineering Measures**

Showers

Eyewash stations  
Ventilation systems

#### **Individual protection measures, such as personal protective equipment**

|                                 |                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/Face Protection</b>      | Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.                                                                                                                                                                                                                                                                                      |
| <b>Skin and Body Protection</b> | Skin protection is not normally required for short exposures when honing with oil. Oil impervious gloves should be worn. Nitrile gloves are recommended.                                                                                                                                                                                                               |
|                                 | Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Note some barrier creams have been shown to increase skin absorption of metallic compounds.                                                                                                                                               |
| <b>Respiratory Protection</b>   | In case of mist, spray or aerosol exposure wear suitable personal respiratory protection.                                                                                                                                                                                                                                                                              |
| <b>Hygiene Measures</b>         | Handle in accordance with good industrial hygiene and safety practice. Provide regular cleaning of equipment, work area and clothing. Wash hands thoroughly to remove honing oil and microscopic particles of metal debris. Do not consume or store food in the work area. Remove and wash contaminated clothing before re-use. Avoid contact with open cuts or sores. |

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

#### **Information on basic physical and chemical properties**

**Physical State:** Liquid

**Odor:** Oily

**Appearance:** Black

**Odor Threshold:** Unknown

| <b><u>Property</u></b>                        | <b><u>Values</u></b>              | <b><u>Remarks/Method</u></b> |
|-----------------------------------------------|-----------------------------------|------------------------------|
| <b>pH</b>                                     | No data available                 | None known                   |
| <b>Melting Point/Range</b>                    | No data available                 | None known                   |
| <b>Boiling Point/Boiling Range</b>            | No data available                 | None known                   |
| <b>Flash Point</b>                            | Closed cup: >177°C (350°F)        | None known                   |
| <b>Evaporation rate</b>                       | No data available                 | None known                   |
| <b>Flammability (solid, gas)</b>              | <b>Flammability Limits in Air</b> |                              |
| No data available                             | None known                        |                              |
| <b>upper flammability limit</b>               | No data available                 |                              |
| <b>lower flammability limit</b>               | No data available                 |                              |
| <b>Vapor Pressure</b>                         | No data available                 | None known                   |
| <b>Vapor Density</b>                          | No data available                 | None known                   |
| <b>Specific Gravity</b>                       | 0.96 Typical                      | None known                   |
| <b>Water Solubility</b>                       | None                              | None known                   |
| <b>Solubility in other solvents</b>           | No data available                 | None known                   |
| <b>Partition coefficient: n-octanol/water</b> | No data available                 | None known                   |
| <b>Autoignition Temperature</b>               | No data available                 | None known                   |
| <b>Decomposition Temperature</b>              | No data available                 | None known                   |
| <b>Viscosity</b>                              | >86 cSt @ 40C Typical             |                              |
| <b>Flammable Properties</b>                   | Not flammable                     |                              |
| <b>Explosive Properties</b>                   | No data available                 |                              |
| <b>Oxidizing Properties</b>                   | No data available                 |                              |
| <b><u>Other information</u></b>               |                                   |                              |
| <b>VOC Content (%)</b>                        | No data available                 |                              |
| <b>VOC (g/l)</b>                              | 4 Gm/L ASTME1868-10               |                              |

### **10. STABILITY AND REACTIVITY**

#### **Reactivity**

No data available.

#### **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of hazardous reactions**

None under normal processing.

### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### **Conditions to avoid**

Keep away from open flames, hot surfaces, and sources of ignition. Avoid accumulation of contaminated towels, rags or other insulating absorbent fibrous media.

### **Incompatible materials**

Strong oxidizing agents.

### **Hazardous decomposition products**

Carbon oxides. Sulfur oxides.

## **11. TOXICOLOGICAL INFORMATION**

### **Information on likely routes of exposure**

|                            |                                                                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Information</b> | No acute toxicity information is available for this product.                                                                                                                     |
| <b>Inhalation</b>          | None under normal use conditions                                                                                                                                                 |
| <b>Eye Contact</b>         | Oil mists containing small metal filings may cause mechanical irritation.                                                                                                        |
| <b>Skin Contact</b>        | Non-irritating during normal use. Prolonged or repeated skin contact can cause skin irritation or oil acne: Inflammation and blackheads due to mechanical blockage of the pores. |
| <b>Ingestion</b>           | None under normal use.                                                                                                                                                           |

### **Symptoms related to the physical, chemical and toxicological characteristics**

|                 |                  |
|-----------------|------------------|
| <b>Symptoms</b> | Acne, blackheads |
|-----------------|------------------|

### **Delayed and immediate effects and also chronic effects from short and long term exposure**

|                          |                           |
|--------------------------|---------------------------|
| <b>Sensitization</b>     | No information available. |
| <b>Mutagenic Effects</b> | No information available. |
| <b>Carcinogenicity</b>   | No information available  |

| <b>Chemical Name</b> | <b>ACGIH</b> | <b>IARC</b> | <b>NTP</b> | <b>OSHA</b> |
|----------------------|--------------|-------------|------------|-------------|
| None                 |              |             |            |             |

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**OSHA: (Occupational Safety & Health Administration)**

X - Present

|                                 |                           |
|---------------------------------|---------------------------|
| <b>Reproductive Toxicity</b>    | No information available. |
| <b>STOT - single exposure</b>   | No information available. |
| <b>STOT - repeated exposure</b> | No information available. |

### **Numerical measures of toxicity - Product**

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| <b>Acute Toxicity</b> | 0% of the mixture consists of ingredient(s) of unknown toxicity. |
|-----------------------|------------------------------------------------------------------|

## **12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---------------|-------------------|------------------|----------------------------|----------------------------|
| None          |                   |                  |                            |                            |

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Since emptied containers retain material residue, follow label warnings even after container is emptied. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Thoroughly drain containers and offer for recycling. Do not attempt to clean container as residue is difficult to remove. Empty drums should be completely drained, properly closed and returned to a drum conditioner to be commercially cleaned. Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**15. REGULATORY INFORMATION****International Inventories**

**TSCA** Complies

**DSL** Complies

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

|                                          |    |
|------------------------------------------|----|
| <b>Acute Health Hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire Hazard</b>                       | No |
| <b>Sudden Release of Pressure Hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|---------------|------------|---------------|--------------|----------|--------------|
| None          |            |               |              |          |              |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number:** Not applicable

**16. OTHER INFORMATION****NFPA**

**Health Hazard** 0 **Flammability** 1 **Instability** 0 **Physical and Chemical Hazards** 0

**HMIS**

**Health Hazard** 0 **Flammability** 1 **Physical Hazard** 0 **Personal Protection** X

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**NOTICE**

THIS MATERIAL SAFETY DATA SHEET ("MSDS") IS SUPPLIED PURSUANT TO THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S HAZARD COMMUNICATION RULE (THE "RULE"), 29 CFR 1910.1200. THIS MSDS IS BEING FURNISHED TO THE IMMEDIATE PURCHASER OF THE MATERIAL TO WHICH IT REFERS WITHOUT REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS OR ACCURACY OF ANY INFORMATION OR RECOMMENDATIONS CONTAINED HEREIN.

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End of Safety Data Sheet