



SAFETY DATA SHEET

BRAKE CYLINDER LUBRICANT

M-914-S

Conforms to GHS Version 4.0 2024 HazCom Revisions

Print Date: 02-Oct-2024

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Version 3

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

Product identifier

Product Name Brake Cylinder Lubricant M-914-S

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Zircon Industries Incorporated
4920 Commerce Parkway #9
Cleveland, OH 44128
216-595-0200

E-mail address

staff@liquidheat.com

Emergency telephone number

Emergency Telephone InfoTrac 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

Emergency Overview

Hazard statements

Substance does not meet the criteria for classification

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace Wear protective gloves

Precautionary Statements - Response

IF EXPOSED or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes.
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

Precautionary Statements - Storage

Store in well-ventilated area

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not Applicable

Unknown Acute Toxicity 0% of the substance or mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

No Hazardous Materials Present in Substance

4. FIRST AID MEASURES**First aid measures****General advice**

Seek medical attention if unwell.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes

Skin Contact

Wash off immediately with soap and plenty of water.

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist..

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Self-protection of the first aider

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed**Symptoms**

No information available.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Dry chemical, CO2 or water spray.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

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 Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Cover spill with plastic sheet or tarp to minimize spreading..

Methods for cleaning up Cover spill with sand, earth or other non-combustible absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Appropriate engineering controls

Engineering Controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety Glasses with Side Shields.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|------------|-----------------------|--------------------------|
| Physical state | semi-solid | Odor threshold | No information available |
| Appearance | paste | Odor | mild |
| Color | gray | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------------|-----------------------|--------------------------|
| pH | N/A | |
| Melting point/freezing point | | No information available |
| Boiling point / boiling range | >470 ° C | |
| Flash point | | No information available |
| Evaporation rate | | No information available |
| Flammability (solid, gas) | | No information available |
| Flammability Limit in Air | | |
| Upper flammability limit: | | No information available |
| Lower flammability limit: | | No information available |
| Vapor pressure | | No information available |
| Vapor density | | |
| Water solubility | Not Miscible in water | |
| Solubility in other solvents | | No information available |
| Partition coefficient | | No information available |
| Autoignition temperature | | No information available |
| Decomposition temperature | | No information available |
| Kinematic viscosity | | No information available |
| Dynamic viscosity | | No information available |
| Explosive properties | | No information available |
| Oxidizing properties | | No information available |

Other Information

| | | |
|--|------|--------------------------|
| Explosion severity | | |
| Danger of Explosion, cloud | | No information available |
| Minimum Ignition Energy, Cloud, | | |
| No information available | | |
| | | |
| KST, (cloud), bar.m.s-1 | | No information available |
| Pmax maximum explosion | | No information available |
| pressure, Cloud, bar | | |
| | | |
| VMP, (cloud), bar.s-1 | | No information available |
| LOC Limiting Oxygen | | No information available |
| Concentration, Cloud, %v/v O2 | | |
| | | |
| Softening point | | No information available |
| Molecular weight | | No information available |
| Density | | No information available |
| Bulk density | | No information available |
| Specific Gravity | 0.83 | |

10. STABILITY AND REACTIVITY

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability

Material is stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|-------------------------------|
| Product Information | Not a hazardous substance. |
| Inhalation | Not a respiratory sensitizer. |
| Eye contact | Causes mild eye irritation. |
| Skin Contact | Mild – 24 Hours (Rabbit). |
| Ingestion | Mild – 24 Hours (Rabbit). |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

Germ cell mutagenicity

Carcinogenicity .
No information or data specific to the product on this toxicological (health) effect is available.

Reproductive toxicity

STOT - single exposure .
No information or data specific to the product on this toxicological (health) effect is available.

STOT - repeated exposure .
No information or data specific to the product on this toxicological (health) effect is available.

Target Organ Effects Central nervous system, Eyes.

Aspiration hazard No information or data specific to the product on this toxicological (health) effect is available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION

DOT

Not regulated as a dangerous good

IATA

Not regulated as a dangerous good

IMDG

Not regulated as a dangerous good

15. REGULATORY INFORMATION

International Inventories

| | |
|---------------|--------------------------------------|
| AICS | Yes |
| DSL | Yes |
| NDSL | Yes |
| IECSC | Yes |
| EINECS | Yes |
| ELINCS | No |
| ENCS | Yes |
| KECL | Yes |
| PICCS | Yes |
| TSCA | Yes (Registered Lautenberg 21st act) |
| NZIoC | Yes |

Legend:

AICS - Australian Inventory of Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

IECSC - China Inventory of Existing Chemical Substances

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

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

NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | SARA 313 - Threshold Values % |
|---------------|-------------------------------|
|---------------|-------------------------------|

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CERCLA

This material, as supplied, contains no substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

SARA 311/312 Hazardous

No

Classified hazard categories

16. OTHER INFORMATION

| | | | | |
|-------------|-------------------|----------------|--------------------|------------------------------------|
| NFPA | Health hazards 1 | Flammability 0 | Instability 0 | Physical and Chemical Properties - |
| HMIS | Health hazards 1* | Flammability 0 | Physical hazards 0 | Personal protection X |

Revision Date 03-Oct-2024

Revision Note

SDS sections updated (***) GHS 2024 Version 4.0

Disclaimer

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End of Safety Data Sheet