



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016
Version: 2
Language: en-US
Date of print: Aug/11/2016

AL-M

Material number 264000

Page: 1 of 6

1. Product and company identification

Product identifier

Trade name: AL-M

Relevant identified uses of the substance or mixture and uses advised against

General use: Lubricating grease.

Details of the supplier of the safety data sheet

Company name: WEICON Inc.
Street/POB-No.: 20 Steckle Place, Unit 20
Postal Code, city: Kitchener, Ontario N2E 2C3, CA
WWW: www.weicon.ca
E-mail: info@weicon.ca
Telephone: +1-519-896-5252
Telefax: +1-519-896-5254
Dept. responsible for information:
Product-Safety-Department
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

Emergency phone number

EMERGENCY CONTACT – USA (24h): Tel: ++1 202 464 2554

Transport:

TRANSPORT EMERGENCY CONTACT - USA (24h): Tel: ++1 202 464 2554

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: solid

Form: pasty

Color: black

Odor: like mineral oil

Classification: Eye Irritation - Category 2A;

Hazard symbols:



Signal word: **Warning**

Hazard statements: Causes serious eye irritation.

Precautionary statements: Keep out of reach of children.

Wash hands and face thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

Special danger of slipping by leaking/spilling product.

see section 11: Toxicological information



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

AL-M

Material number 264000

Page: 2 of 6

3. Composition / Information on ingredients

Chemical characterization: Preparation of metallic soap in mineral oil with additives

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 68457-79-4	Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts	< 2.5 %	Skin Irritation - Category 2. Eye Damage - Category 1. Aquatic toxicity - chronic - Category 2.

4. First aid measures

- In case of inhalation: Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Seek medical attention.
- Following skin contact: After contact with skin, wash immediately with plenty of water. Immediately remove any contaminated clothing, shoes or stockings. Consult a doctor if skin irritation persists.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
- After swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

Most important symptoms/effects, acute and delayed

Causes serious eye irritation.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

Information about base oil: > 428 °F (ISO 2592)

Auto-ignition temperature: not determined

Suitable extinguishing media:

Water fog, alcohol resistant foam, dry chemical powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

Specific hazards arising from the chemical

In case of fire may be liberated: Toxic gases/vapours, phosphorus oxides, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Cool endangered containers with water spray and, if possible, remove from danger zone. Use a water fog to control vapors. Do not inhale explosion and combustion gases. Do not allow fire water to penetrate into surface or ground water. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

AL-M

Material number 264000

Page: 3 of 6

6. Accidental release measures

- Personal precautions: Provide adequate ventilation. Avoid contact with skin and eyes. Wear appropriate protective equipment. Do not breathe vapors. In case of leakage, eliminate all ignition sources. Keep unprotected people away. Do not breathe dust.
- Environmental precautions: Do not allow to enter into ground-water, surface water or drains. In case of entry into waterways, soil or drains, inform the responsible authorities.
- Methods for clean-up: Take up mechanically, placing in appropriate containers for disposal.
- Additional information: Remove all sources of ignition.
Special danger of slipping by leaking/spilling product.

7. Handling and storage

Handling

- Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.
Avoid contact with skin, eyes, and clothing.
Do not breathe vapor or spray. Do not breathe dust. Wear appropriate protective equipment.
When using do not eat, drink or smoke.
- Precautions against fire and explosion: Keep away from sources of ignition - No smoking.

Storage

- Requirements for storerooms and containers: Keep container tightly closed in a cool, well-ventilated place. Store at room temperature. Store only in original container.
- Hints on joint storage: Do not store together with oxidizing agents or acids.
Keep away from food and drinks.

8. Exposure controls / personal protection

Engineering controls

- Provide good ventilation and/or an exhaust system in the work area.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

- Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
- Skin protection: Wear suitable protective clothing.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Nitrile rubber - Layer thickness: 0.4 mm
Breakthrough time: 480 min
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Unsuitable glove material: Leather, Thick material.
- Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!
- General hygiene considerations: Avoid contact with skin, eyes, and clothing. Change contaminated clothing.
Do not breathe vapor or spray. Have eye wash bottle or eye rinse ready at work place.
After work, wash hands and face. When using do not eat, drink or smoke.



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

AL-M

Material number 264000

Page:

4 of 6

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: solid Form: pasty Color: black
Odor:	like mineral oil
Odor threshold:	not determined
pH value:	not applicable
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point/flash point range:	Information about base oil: > 428 °F (ISO 2592)
Evaporation rate:	not determined
Flammability:	not determined
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapor pressure:	No data available
Vapor density:	not determined
Density:	at 68 °F: 0.92 g/cm ³
Water solubility:	not determined
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not determined
Thermal decomposition:	No data available
Viscosity, kinematic:	not applicable
Ignition temperature:	not determined

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Reactions with strong acids and oxidizing agents.
Conditions to avoid:	Avoid temperatures above or near flash point.
Incompatible materials:	Concentrated acids, oxidizing agents.
Hazardous decomposition products:	In case of fire may be liberated: Toxic gases/vapours, phosphorus oxides, carbon monoxide and carbon dioxide.
Thermal decomposition:	No data available



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

AL-M

Material number 264000

Page:

5 of 6

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

Volatile organic compounds (VOC):

0 % by weight

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Send to a hazardous waste incinerator facility according to legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016

Version: 2

Language: en-US

Date of print: Aug/11/2016

AL-M

Material number 264000

Page: 6 of 6

Sea transport (IMDG)

Proper shipping name: Not restricted
Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - U.S. Federal Regulations

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts: TSCA Inventory: listed; UVCB
TSCA HPVC: not listed

National regulations - Great Britain

Hazchem-Code: -

16. Other information

Text for labeling: Contains < 2.5 % Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change: Changes in section 1: General revision

Date of first version: Apr/26/2016

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.