

SAFETY DATA SHEET

VOLTRONIC ALUMINIUM PASTE ANTI SEIZE M12

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Revision No: 1

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

Product name: VOLTRONIC ALUMINIUM PASTE ANTI SEIZE M12

Product code: M12

Use of substance / preparation: Lubricant corrosion prevention paste-like

Company name: VOLTRONIC & ACT GmbH

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2. HAZARDS IDENTIFICATION

Main hazards: Repeated exposure may cause skin dryness or cracking.

Other hazards: Harmful: may cause lung damage if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: LOW BOILING POINT HYDROGEN TREATED NAPHTA C10- C12 30-50%

[Xn] R65; [-] R66

- ACETONE 1-10%

EINECS: 200-662-2 CAS: 67-64-1

[F] R11; [Xi] R36; [-] R66; [-] R67

4. FIRST AID MEASURES (SYMPTOMS)

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Do not induce vomiting. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. If outside do not approach from downwind.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Mix with sand or vermiculite. Refer to section 13 of SDS for suitable method of disposal.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden. Use non-sparking tools.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition.

Suitable packaging: Must only be kept in original packaging. Steel drums.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: LOW BOILING POINT HYDROGEN TREATED NAPHTA C10- C12
WEL (8 hr TWA): 200 ml/m³ 1000mg/m³ WEL (15 min STEL): Kat.4

- ACETONE

WEL (8 hr TWA): 1200 mg/m³ WEL (15 min STEL): 3620 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Gloves (solvent-resistant). Breakthrough time of the glove material > 4 hours.

Eye protection: Tightly fitting safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Paste

Colour: Silver

Odour: Characteristic odour

Evaporation rate: Slow

Solubility in water: Slightly soluble

Also soluble in: Most organic solvents.

Viscosity: Highly viscous

Viscosity value: 1,13

Viscosity test method: Kinematic viscosity in 10⁻⁶ m²/s at 40°C (ISO 3104/3105)

Boiling point/range°C: 238-280

Flammability limits %: lower: 0,6

upper: 8,0

Flash point°C: 78

Autoflammability°C: 238

Vapour pressure: 3,6 hPa**Relative density:** 0,9**pH:** n.a.**VOC g/l:** 342**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Sources of ignition.**Materials to avoid:** Strong oxidising agents.**11. TOXICOLOGICAL INFORMATION****Hazardous ingredients:** ACETONE
IVN RAT LD50 5500 mg/kg
ORL MUS LD50 3 gm/kg
ORL RAT LD50 5800 mg/kg**12. ECOLOGICAL INFORMATION****Hazardous ingredients:** ACETONE
DAPHNIA 48H IC50 12600 mg/l
FISH RAINBOW TROUT 96H LC50 6500 mg/l**Mobility:** Insoluble in water.**Persistence and degradability:** Biodegradable in part only.**Bioaccumulative potential:** No bioaccumulation potential.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are disposed of by means of any of the operations in this Annex (e.g. evaporation, drying, calcination, etc.).

R1 Solvent reclamation/regeneration.

Disposal of packaging: Burn in a chemical incinerator equipped with afterburners and scrubbers.**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION****ADR / RID****UN no:** Not Classified.**IMDG / IMO****UN no:** Not Classified.

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IATA / ICAO

UN no: Not Classified.

15. REGULATORY INFORMATION

Hazard symbols: Symbol not required.

Risk phrases: R66: Repeated exposure may cause skin dryness or cracking.

Haz. ingredients (label): LOW BOILING POINT HYDROGEN TREATED NAPHTHA C10- C12

Water hazard class: 2 Classification by VwVwS

Air emission directive: Class: III Amount m%: 100

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.3: R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R11: Highly flammable.
R36: Irritating to eyes.
R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.