

Weicon GmbH

Revision date: 15.11.2009

Revision no.:

1,00

Anti-Seize AS "Standard" Assembly Paste

7619-0057

1. Product and Company Identification

Commercial product name

Anti-Seize AS "Standard" Assembly Paste

Further trade names

26000

Chemical characterization (Mixture)

Mixture of metals and inorganic compounds

Synthetic oil with additives.

Company/undertaking identification

Manufacturer

Weicon GmbH

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D-48157 Münster

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Internet: www.weicon.de

Responsible for the safety data sheet: sds@gbk-ingelheim.de

2. Hazards Identification

Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

CAUTION !

Irritant to eyes.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): not listed

Carcinogenicity (IARC): not listed

Carcinogenicity (OSHA): not listed

3. Composition/Information on Ingredients

Hazardous components

CAS No.	Components	Quantity
1305-62-0	Calcium dihydroxide	<10 %
1314-13-2	zinc oxide	2.5 - 5 %
7440-50-8	Copper	2.5 - 5 %
7429-90-5	Aluminium	1 - 2.5 %

4. First Aid Measures

General information

Remove contaminated soaked clothing immediately.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

After contact with skin

Wash off immediately with soap and plenty of water.

Consult a doctor if skin irritation persists.

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After contact with eyes

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

Seek medical treatment by eye specialist.

After ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

5. Fire Fighting Measures

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Unsuitable extinguishing media

Full water jet

Special hazards arising from the chemical

Fire may produce:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Protective equipment and precautions for firefighters

A self contained breathing apparatus should be worn in fire conditions.

Additional information

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental Release Measures

Personal precautions

Use personal protective clothing.

Environmental precautions

Clean contaminated surface thoroughly.

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Take up with absorbent material.

Shovel into suitable container for disposal.

Additional information

High risk of slipping due to leakage/spillage of product.

7. Handling and Storage

Handling

Advice on safe handling

Keep container tightly closed.

Avoid contact with skin, eyes and clothing.

When using, do not eat, drink or smoke.

Advice on protection against fire and explosion

Take the usual precautions when handling with chemicals.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Do not store together with oxidizing agents.

Recommended storage temperature: room temperature.

Advice on storage compatibility

Incompatible with: Oxidizing agents

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Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Recommended storage temperature: room temperature.

8. Exposure Controls/Personal Protection**Exposure limit values****Exposure limits**

CAS No.	Components	ppm	mg/m ³	fib/cc	Category	Origin
1305-62-0	Calcium hydroxide	-	5		TWA (8 h)	REL
	Calcium hydroxide Respirable fraction	-	5		TWA (8 h)	REL
7440-50-8	Copper (dusts and mists, as Cu)	-	1		TWA (8 h)	REL
	Copper Dusts and mists (as Cu)	-	1		TWA (8 h)	REL
1314-13-2	Zinc oxide (Fume)	-	5		TWA (8 h)	REL
		-	10		STEL (15 min)	REL
1314-13-2	Zinc oxide Total dust	-	15		TWA (8 h)	REL

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale gases/vapours/aerosols.

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

Respiratory protection

No personal respiratory protective equipment normally required.

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

Hand protection

Protective gloves resistant to chemicals made of nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril Velours 730> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Tightly fitting goggles

Skin protection

Protective clothing

9. Physical and Chemical Properties**Appearance**

Form: Pasty
 Color: Grey
 Odor: Perceptible

Important health, safety and environmental information

Test method

Changes in the physical state

Flash point: >160 °C ISO 2592
 Density (at 20 °C): 1,2 g/cm³ DIN 51757

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Water solubility:
(at 20 °C)

Insoluble

10. Stability and Reactivity

Stability

Stable

Conditions to avoid

To avoid thermal decomposition, do not overheat.

Materials to avoid

Reactions with oxygen.

Reactions with strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Possibility of Hazardous Reactions

Will not occur

Additional information

No decomposition if stored and applied as directed.

11. Toxicological Information

Corrosive and irritant effects

Skin irritation : Non-irritant

Eye irritation : Irritant

Sensitizing effects

Skin sensitization, remark : Non-sensitizing

Empirical data on effects on humans

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

12. Ecological Information

Persistence and degradability

Slightly degradable

Further information

Do not discharge product unmonitored into the environment.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal Considerations

Advice on disposal

Where possible recycling is preferred to disposal.

Remove in accordance with local official regulations. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packagings are to be treated like the product itself.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport Information

US DOT 49 CFR 172.101

Proper shipping name

Environmentally hazardous substance, solid, n.o.s. (Zinc oxide)

ID Number:

3077

Hazard Class or Division:

9

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Packing group: III

Label: 9

Land transport (ADR/RID)

UN number: 3077

ADR/RID class: 9

Classification Code: M7

Warning plate

Hazard-no.: 90

Hazard label: 9



ADR/RID packing group: III

Limited quantity: LQ27

Description of the goods

Environmentally hazardous substance, solid, n.o.s. (Zinc oxide)

Other applicable information

Transport category:: 3

Tunnel restriction code:: E

Additional label with symbol "fish and tree" according to subsection 5.2.1.8.3. ADR for single packagings and inner packagings with > 5 kg or 5 L.

Marine transport

UN number: 3077

IMDG code: 9

IMDG packing group: III

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc oxide)

Other applicable information

Additional label with symbol "fish and tree" according to subsection 5.2.1. IMDG Code for single packagings and inner packagings with > 5 kg or 5 L.

Air transport

UN/ID number: 3077

ICAO/IATA-DGR: 9

Hazard label: 9



ICAO packing group: III

IATA-packing instructions - Passenger: 911

IATA-packing instructions - Cargo: 911

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc oxide)

Other applicable information

Additional label with symbol "fish and tree" according to subsection 7.1.6.3. IATA/DGR for single packagings and inner packagings with > 5 kg or 5 L.

15. Regulatory Information**U.S. Regulations**



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National Inventory TSCA

All of the components are listed on the TSCA inventory.

SARA

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

16. Other Information

Hazardous Materials Information Label (HMIS)

Health:	1
Flammability:	1
Physical Hazard:	0

NFPA Hazard Ratings

Health:	1
Flammability:	1
Reactivity:	0
Unique Hazard:	



Other data

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)