

EC-Safety Data Sheet conforming to 1907/2006/EG, Article 31

IDS435 - Anti-Seize thermal paste


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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier	Anti-Seize thermal paste
1.2 Relevant identified uses of the substance or mixture and uses advised against	Lubrication Paste
1.3 Details of the supplier of the safety data sheet	Industrie Dichtungs Service* Burgstraße 12 * D-47877 Willich * +49 (0) 2154-88 99 0-90 * www.industrie-dichtungsservice.de * info@industrie-dichtungsservice.de
1.4 Emergency telephone number	+49 (0) 152 540 85507 Monday - Thursday 8:00 - 17:00 CET, Friday 8:00 - 13:00 CET

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture 1272/2008/EG	hazard statements / category of danger / Hazard class H318 / Eye Dam. 1 / Risk of serious damage to eyes. H412 / Aquatic Chronic 3 / Harmful to aquatic life with long lasting effects. The product is classified acc to 1272/2008/EG
2.2 label elements	 <p>signal word: Danger GHS05 Corrosive H318 Risk of serious damage to eyes. H412 Harmful to aquatic life with long lasting effects. P273 Avoid release to the environment. P280 Wear protective gloves, clothing, eye and face protection. P305+P351+P338 For a few minutes, rinse cautiously with water: In case of contact with eyes. Remove contact lenses if possible. Continue rinsing. P310 Immediately call a poison center or physician. P501 Dispose of contents and container in accordance with local regulations of the disposal.</p>
2.3 Other hazards	Wastes and containers must be eliminated in secured way. Avoid release into the environment. Special instructions catch up/safety data sheet to the rate pull. Use suitable container for the avoidance of a contamination of the environment. This product and its container are to be disposed of as dangerous waste.

SECTION 3: Composition - Information on Ingredients

3.2 Mixtures	Mixture of substances listed below with nonhazardous additions. ----- 5,0 % - 10,0 % Calcium hydroxide EG: 215-137-3 CAS: 1305-62-0 H315 Skin Irrit. 2 / H318 Eye Dam. 1 / H335 STOT SE 3 (MTCACAOH) ----- 1,0 % - 5,0 % Dizinkdiphosphat EG: 231-203-4 CAS: 7446-26-6 H411 Aqua Chron. 2 (MTCAPDZN)
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SECTION 4: First Aid Measures

General Instructions	Remove victim from danger zone, without exposing yourself to any personal risk. Remove wetted clothing and shoes and clean items before using them again.
After Inhalation	Remove exposed person to fresh air.
After Skin Contact	Wash with plenty of soap and plenty of water. Consult a doctor if skin irritation persists.
After Eye Contact	Long lasting rinse Rinse opened with water, if necessary, use eye wash. If symptoms persist, seek medical advice.
After Ingestion	Rinse mouth and drink plenty of water. Do not induce vomiting. If symptoms persist, seek medical advice.
Most important symptoms and effects, both acute and delayed	No information available
Indication of any immediate medical attention and special treatment needed	Symptomatic treatment.

SECTION 5: Fire-Fighting Measures

5.1 Extinguishing media	Suitable extinguishing media : Water spray. Foam. Dry powder. Carbon dioxide (CO2). Unsuitable extinguishing media : Strong water jet.
5.2 Special hazards arising from the substance or mixture	In case of a fire, there may arise poisonous (CO, CO2 and other organic gases) gases. Run-off does not allow to enter drains or watercourses by firefighters.

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5.3 Advice for firefighters

If necessary, use in case of fire, self contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into drains. Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations. Extinguishing measures to the surroundings. Standard procedure for chemical fires. Extinguishing measures to the surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Wear personal protective equipment. Avoid contact with eyes and skin.
6.2 Special Environmental Protection	Avoid entering into drains, water courses or soil. Fire or police agree, if the product has escaped into a water course or sewage system, or has contaminated the soil and plants.
6.3 Methods and material for containment and cleaning up	Use oil sucking materials f.e chemical absorbents.
6.4 Reference to other sections	n.a.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling	Advice on safe handling: Do not breathe mixture. Avoid generation of vapors and aerosols. Hygiene measures: Immediately change contaminated clothing. Preventive skin protection. Wash hands and face after work.
7.2 Conditions for safe storage, including any incompatibilities	Store in closed containers. Open container in well ventilated areas Storage Class VCI: 11 Flammable Solids

SECTION 8: Limiting and supervising the exposure / personal protection

8.1 Control parameters	Dizinkdiphosphat EG: 231-203-4 CAS: 7446-26-6: Dizinkpyrophosphat: Akute orale Toxizität : LD50 (Ratte): > 2.000 mg/kg ----- Calcium hydroxide EG: 215-137-3 CAS: 1305-62-0: Calciumdihydroxid: 5 mg/m ³
8.2 Limitation and supervision of exposure - Personal Protective Equipment	Respiratory protection: Not required, except in case of aerosol formation. Avoid inhalation of vapors. Use respiratory protective device against the effects of fumes / dust / aerosol. Combination filter, eg. As DIN 3181 ABEK Hand protection: Gloves - oil resistant. Glove material: nitrile rubber, butyl rubber or fluoro rubber. Recommended thickness: = 0,4 mm. Penetration time of glove material Value for the permeation: Level = 480 min. The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of breakthrough time is recommended. Eye protection: Safety glasses Hygiene measures: Wash hands before breaks and immediately after handling the product. Keep working clothes separately. Take off all contaminated clothing immediately. Protective measures: Handle in accordance with good industrial hygiene and safety practice. Body protection: work clothes
8.3 Delimitation and monitoring of environmental exposure	Do not discharge into surface water or drains

SECTION 9: Physical and Chemical Properties

Appearance Form	pasty
Color	silver
Appearance	like grease
Odour	without
Boiling Point / Boiling Range	-
Melting Point / Melting Range	-
Flash Point	Not applicable
Autogenous Ignition Temperature	-
Upper Explosion Limit	-
Lower Explosion Limit	-
Vapor Density	-
Specific Gravity, 20°C	1,25 g/cm ³
Water Solubility	No

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Partition Coefficient n-oct/water -
VOC-Content -

SECTION 10: Stability and Reactivity

10.1 Reactivity This product is stable in normal-use temperatures.
10.2 Chemical Stability Stable under normal conditions
10.3 Possibility of hazardous reactions No dangerous reaction known under conditions of normal use. Fumes can combine with air to form an explosive mixture.
10.4 Conditions to be avoided No information available
10.5 Incompatible Materials no information available
10.6 Hazardous products of instability / decomposition No hazardous polymerization or reaction products

SECTION 11: Toxicological Information

Toxicological Information Calcium hydroxide EG: 215-137-3 CAS: 1305-62-0:
1305-62-0 Calciumhydroxid: Oral LD50 >2000 mg/kg (Ratte), Dermal LD50 >2500 mg/kg (Kaninchen)

Dizinkdiphosphat EG: 231-203-4 CAS: 7446-26-6:
Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

Symptoms after ingestion no data available
At Skin Contact No hazard.
Symptoms after Inhalation no data available
Symptoms after eye contact Prolonges or repeated contact may tend to irritate.
Other information No sensitizing effects known.
Toxicological Tests There are no human toxicological data.
Further Toxicologic Effects Not classified as toxic. Not classified as caustic or irritant for skin. Not classified as caustic or irritant for eyes. The inhalation of thermal decomposition products, in the form of vapor, mist or fumes may be harmful. Not classified as a skin sensitizer. Not as CMR classified (carcinogen, mutagen or reproductive toxic). Not as a target organ toxic classified.

SECTION 12: Ecological Information

12.1 Toxicity Dizinkdiphosphat EG: 231-203-4 CAS: 7446-26-6:
Toxizität gegenüber Daphnien und anderen wirbellosen Wassertieren: EC50 (Daphnia magna (Großer Wasserfloh), 48 h): 26 mg/l
Toxizität gegenüber Algen: EC50 (Desmodesmus subspicatus (Grünalge), 72 h): 4,7 mg/l
Beurteilung Ökotoxizität
Chronische aquatische Toxizität: Giftig für Wasserorganismen, mit langfristiger Wirkung.

Calcium hydroxide EG: 215-137-3 CAS: 1305-62-0:
EC 50 184,57 mg/l (Algtoxizität) (48h) LC 50 158 mg/l (Akute Daphnientoxizität) (96h) 160 mg/l (Akute Fischtoxizität) (96h)

12.2 Persistence and degradability Ecotoxicological data have not been determined specifically for this product. The information provided is based on the knowledge of the components. Product is not readily biodegradable. The main constituents are expected to be inherently biodegradable, but some components that may persist in the environment.
12.3 Bioaccumulative potential not information available
12.4 Mobility in soil No information available
12.5 Results of PBT and vPvB assessment No information available
12.6 Other adverse effects No information available

SECTION 13: Disposal Considerations

13.1 Waste treatment methods May not be disposed together with domestic rubbish. Disposal in compliance with federal, state, and local laws. EÄK Waste Product Code : 130899 Ölabbfälle, nicht anders spezifiziert

SECTION 14: Transport information in accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

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14.1 UN-No	Not classified as dangerous in the meaning of transport regulations
14.2 UN proper shipping name	No
14.3 Transport hazard class	No transport regulations.
14.4 Packing group	-
14.5 Environmental hazards	n.a.
14.6 Special precautions for user	No information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture
DE: water polluting category: 2
No Precautionary Labels.

15.2 Chemical safety assessment
There is no information available

SECTION 16: Further Information

16.1 Full text of the dangers in section 2 and 3
GHS05 Corrosive
H318 Risk of serious damage to eyes.
H412 Harmful to aquatic life with long lasting effects.
P273 Avoid release to the environment.
P280 Wear protective gloves, clothing, eye and face protection.
P305+P351+P338 For a few minutes, rinse cautiously with water: In case of contact with eyes. Remove contact lenses if possible. Continue rinsing.
P310 Immediately call a poison center or physician.
P501 Dispose of contents and container in accordance with local regulations of the disposal.

16.2 Further Information
The information in this SDS is correct to the best of our knowledge at the time of its publication. The information is intended to give you advice about the safe handling of the product named in this safety during storage, processing, transport and disposal. The details are not transferable to other products. The information given in this safety combination with any other materials or in any process, or undergoes processing, can use the information in this SDS, to the extent that it does not specifically indicate otherwise, are not transferred to the new made material. The material data referred to in item 9 are safety information, but no guarantees on properties. Warranties are excluded without clarification of the technical intended use and the operating conditions. If you have further questions we are available.