

Walter Zepf

Material Safety Data Sheet

Product: AR-2 EP-lubricating grease



DIN EN ISO 9001:2008

Date : 15-01-2001 Rev. Date : 12.01.2015

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1. Substance / Product Identification

- | | | |
|-----|---|-----------------------------|
| 1.1 | Walter Zepf Schmierungstechnik Byk Gulden Strasse 10 + 13
D – 78467 Konstanz Germany
Tel. 0049 7531 36314 – 0 | Fax 0049 7531 36314 - 24 |
| 1.2 | CAS Number | not applicable for mixtures |
| 1.3 | Synonyms | none |
| 1.4 | Generic chemical name | mixture |
| 1.5 | Product type | lubricant, grease |
| 1.6 | Emergency Phone Number | 0049 7531 36314 - 0 |

2. Composition / Information on Ingredients

Hazardous Ingredients This material has no known hazards under applicable law

3. Hazards Identification

Principal Hazards This material has no known hazards as defined by local laws

4. First Aid Measures

Ingestion Do not induce vomiting. Get immediate medical attention

Eyes Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists

Skin Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse and discard shoes and other leather articles saturated with the material

Inhalation Remove exposed person to fresh air if adverse effects are observed.

Additional Information Note to physician : Treat symptomatically

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5. Fire Fighting Measures

Flash Point	(typical) > + 290 °C (base fluid)
Upper Flammable Limit	not determined
Lower Flammable Limit	not determined
Extinguishing Media	CO, foam, water only to cool exposed materials
Fire Fighting Procedures	
Unusual Fire and Explosion Hazards	none
Autoignition Point	none
Explosion Data	Material does not have explosive properties

6. Accidental Release Measures

Spill Procedures	Personal Protective Equipment is recommended. Prevent entry into sewers and waterways. Pick up free material for recycle and/or disposal.
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7. Handling and Storage

Handling Procedures	Keep containers closed when not in use. Wash after handling. Empty containers contains product which may exhibit hazards of product
Storage Procedures	No special storage precautions required

8. Exposure Controls / Personal Protection

Ventilation Procedures	none
Hand Protection	none
Eye Protection	safety glasses when splattering
Respiratory Protection	Under normal use conditions, respirator is not usually required.
Clothing Recommendation	Long sleeve shirt is recommended. When working with heated material wear heat protective clothing. Use chemically protective boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction

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9. Physical and Chemical Properties

Vapor Pressure (mm Hg)	not determined
pH	not determined
Specific Gravity	app. 0,92 gr /ccm at 15 °C
Water Solubility	none
Percent Volatile	unknown
Vapor Density	not determined
Evaporation Rate	not determined
Odor	specific
Appearance	yellow
penetration	app. 320 1/10 mm (20 °C)
Odor Threshold	unknown
Boiling Point	not determined
Freezing Point	appr. - 35 °C
Molecular Weight	not determined

10. Stability and Reactivity

Stability	Material is normally stable at moderately elevated temperatures and pressures
Incompatibility	None known, avoid contact with reactive chemicals
Polymerization	Will not occur
Thermal Decomposition	none

11. Toxicological Information

Eye Irritation	Not expected to cause eye irritation. Based on data from components or similar materials
Skin Irritation	Not expected to be a primary skin irritant. Based on data from components or similar materials.
Dermal Toxicity	The LD 50 in rabbits is > 4000 mg/kg. Based on data from components or similar materials
Inhalation Toxicity	No data available to indicate product or components may be a toxic inhalation hazard
Oral Toxicity	The LD50 in rats is > 4000 mg/kg. Based on data from components or similar materials.
Inhalation Sensitization	No data available to indicate product or components may be respiratory sensitizers

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Dermal Sensitization	No data available to indicate product or components may be a skin sensitizer
Chronic Toxicity	No data available to indicate products or components present at greater than 0,1% are chronic health hazards
Carcinogenicity	No data available to indicate any components present at greater than 0,01% may present a carcinogenic hazard
Mutagenicity	No data available to indicate product or any components present at greater than 0,01% are mutagenic or genotoxic
Reproductive Toxicity	No data available to indicate either components or product present at greater than 0,01% that may cause reproductive toxicity
Teratogenicity	No data available to indicate product or any components contained at greater than 0,01% may cause birth defects
Other	No other health hazards known

12. Ecological Information

Freshwater Fish Toxicity	Not determined
Freshwater Invertebrates Toxicity	Not determined
Algae Toxicity	Not determined
Saltwater Fish Toxicity	Not determined
Saltwater Invertebrates Toxicity	Not determined
Bacteria Toxicity	Not determined
Miscellaneous Toxicity	Not determined
Environmental Fate	An environmental effects test program for biodegradation is in progress
WGK	WGK 1 „ schwach wassergefährdend “ acc. VwVwS dated 17-05-1999 Anh. 3 + 4

13. Disposal Considerations

Waste Disposal	Material, if discarded, not expected to be a characteristic hazardous waste. Disposal should be in compliance with federal, state and local laws.
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14. Transport Information

UN-Number: not applicable
IMDG not applicable
ICAO not applicable
ADR/RID Hazard not applicable

15. Regulatory Information

Symbol(s)
Precautionary Labels This material has no known hazards as defined by local laws

Austria All components are in compliance with the Austrian Laws
Danish Registration Number Not applicable
Switzerland All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland

Switzerland Bag T
Registration Number Not applicable
U.S.TSCA All components are listed in the U.S. TSCA
U.S. Fuel Registration Not applicable
U.S. Dept. of Agriculture Not applicable
FDA Approval Not applicable
USA: governmental inventory status: all components comply with TSCA, EINECS/ELINCS
MITI,DSL

EU labeling: : no labeling required
U.S. SARA title III : this product contains no Extremely Hazardous Substances
SARA (311/312) : no reportable hazard categories

The product contains:
Chemical name CAS No percent. by weight
None listed

See OSHA Oil Mist, Mineral Oil

Regulatory Lists searched:
OSHA
ATSDR, MRLs
EPA, EPCRA List of Lists - Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-to-Know Act and Section 112(r) of the Clean Air Act
EPA, EPCRA Section 313, List of Toxic Chemicals
SARA, Title III Extremely Hazardous Substances
AWR, Critical Materials

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EU

All components are in compliance with the EC Seventh amendment Directive 92/32/EEC

Japan MITI

All components are in compliance with the Chemical Substances Control Law of Japan

Canada

according Environmental Protection Act (CEPA)
all components are on the DSL (Domestic Substances List)

16.Other Information

The dates provided with this safety data sheet are based on our current knowledge.
They are not guaranteed properties.
This safety data sheet describes the product only in view of safety requirements.
We ask you to use this information confidential and only use it internally.
Handling and application only according the technical information and data sheet