

Material Safety Data Sheet

according regulation (EC) No 1907/2006 (REACH)



Identification : Alumix
Article no.: 7040
Version : 1. Juli 2007
Print date : 14/09/2010

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

Identification of the substance or preparation:

Alumix

Use of the substance/preparation:

Blasting material

Company/undertaking identification: Feguramed GmbH, Jahnstr. 2, D – 74722 Buchen-Hettingen, GERMANY

Technical information: Anwendungstechnik (Telefon +49(0)6281/5227-0)

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02. HAZARDS IDENTIFICATION

Hazard identification and hazards to man and the environment

not known, if used for the designated purpose

03. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

aluminium oxide of various grain sizes

Hazardous ingredients

| Chemical name | Concentration [% by weight] | CAS No. | Index No. | R phrases | Hazard symbols |
|-----------------|-----------------------------|---------|-----------|-----------|----------------|
| aluminium oxide | > 99 | | | | |

Ingredients with EC concentration limits

-

Please see chapter 16. OTHER INFORMATION for the wording of the above mentioned R phrases.

04. FIRST AID MEASURES

Inhalation

Skin contact

Wash with water and detergent

Eye contact

Rinse 15 min under flowing water with open eyelid

Ingestion

Do not induce vomiting, consult a physician

05. FIRE-FIGHTING MEASURES

Suitable extinguishing media

not applicable

Extinguishing media which shall not be used for safety reasons

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

not applicable

Special protective equipment for fire-fighters

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06. ACCIDENTAL RELEASE MEASURES

Personal precautions and methods for cleaning up

Soak up with a vacuum cleaner and wipe up mechanically. Makes slippery layers.

Environmental precautions

Please see chapters 08. EXPOSURE CONTROLS/PERSONAL PROTECTION and 13. DISPOSAL CONSIDERATIONS

07. HANDLING AND STORAGE

Precautions for safe handling and conditions for safe storage

Keep closed

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08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values and/or biological limit values

Minimisation of exposure and exposure control

a) Equipment for individual protection

The type of equipment for individual protection has to be chosen according to concentration and quantity of hazardous compounds.

Respiratory protection

no

Eye protection

safety goggles

Hand protection

no

Skin protection

No protective suite or boots are necessary, if the product is used as indicated.

b) Specific hygiene measures

No maximum allowable concentration (MAC) specified for this material, therefore the general MAC for fine dust of 6mg/m³ is valid.

c) Environmental exposure controls

Please see chapters 06. ACCIDENTAL RELEASE MEASURES and 07. HANDLING AND STORAGE. No further methods are required.

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state: solid
Colour : white
Odour : odourless

Important health, safety and environmental information

| | | | |
|-------------------------------------|---------------------|-----------------------------|-------------------|
| Lower explosive limit : | Vol% | Upper explosive limit : | Vol% |
| Vapour pressure : (20 °C) | mbar | Vapour pressure : (50 °C) | mbar |
| Density : (20 °C) | 4 g/cm ³ | Bulk density : (20 °C) | g/cm ³ |
| Viscosity: (20 °C) | mPa•s | | |
| Water solubility: (20 °C) | not soluble g/l | pH value (20 °C) | neutral |
| Boiling point / range : (1013 mbar) | °C | Setting point: (1013 hPa) | °C |
| Melting point: | 2050 °C | Solidification point: | °C |
| Flash point : | °C | Ignition temperature : | °C |

Additional physical and chemical properties are not available.

10. STABILITY AND REACTIVITY

Conditions to avoid

Thermal decomposition: not known °C

Materials to avoid

not known

Hazardous decomposition products

none

11. TOXICOLOGICAL INFORMATION

free of components which could cause silicosis. The toxicological classification of the preparation was made according DIRECTIVE 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

Conclusion from test data

No data available

Conclusion from experience

No data available

Information on ingredients

| | | | |
|-------------------|----------------|------------------------|------------------|
| LD50 (oral, rat): | mg/kg (IUCLID) | LD50 (inhal., rat): | mg/l/4h (IUCLID) |
| Eye of Rabbit: | | Skin of rabbit (24 h): | not irritating |

12. ECOLOGICAL INFORMATION

Ecotoxicity

TOC value:
Acute bacterial toxicity:

CSB value:
Acute toxicity on fishes:

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Mobility

No data available

Bioaccumulative potential

No data available

Other adverse effects

No data available

Persistence and degradability

No data available

Results of PBT assessment

No data available

13. DISPOSAL CONSIDERATIONS

Disposal and six-digit waste code according 2000/532/EC

Can be disposed as domestic waste, if not mixed with other toxic substances.

Recommendation: Obey and follow local waste disposal regulations.

14. TRANSPORT INFORMATION

Transport by road / rail ADR/RID

Class :

UN number:

Proper shipping name:

Packing Group: -

Transport by sea IMDG/GGVSee

IMDG code :

UN number :

EmS:

Marine Pollutant: -

Proper shipping name:

Packing Group: -

Transport by air ICAO-TI and IATA-DGR

Class :

UN number :

Proper shipping name:

Packing Group: -

15. REGULATORY INFORMATION

Label according to EC Directive

Symbols and indications of danger

Determinant ingredient for labelling

contains:

R phrases

S phrases

Other information

EC Regulations

No dangerous substance according to EU regulations. Consider the general maximum allowable concentration (MAC) of 6mg/m³!

Safety assessment

A safety assessment of ingredients of this preparation was not performed.

National regulations

Effects on the aquatic environment

according to VwVwS, Annex 4 (Germany)

16. OTHER INFORMATION

Included EC Directives / Regulations

- DIRECTIVE 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
- DIRECTIVE 2006/121/EC amending Council Directive 67/548/EEC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances in order to adapt it to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency.
- REACH regulation (EC) No. 1907/2006

Non-statutory recommendations by supplier

Only for professional, industrial use – not for public, non-professional use.

R phrases, which are mentioned in chapter 3

References: <http://www.baua.de>
<http://www.arbeitssicherheit.de>

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Changes made since the last version

Revised version according regulation (EC) No 1907/2006 (REACH)

Responsible department

Safety Data Sheet, msds@feguramed.com

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended.

This does not in any way excuse the user from knowing all of the regulations covering his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The aim of the mandatory regulations mentioned is to help the user to fulfill obligations regarding hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring the existence of legal obligations, other than those mentioned, for which he is solely responsible.