



SAFETY DATA SHEET FOR CHEMICAL SUBSTANCES AND PREPARATIONS

91/155/EEC

Trade name: DOLAFLUX F

Date of printing: 14.12.06
Rev.: 2.4 09/2002

1 / 6

1. Identification of the substance/preparation and company

- Product details

Trade name: DOLAFLUX F

- Application of the substance / the preparation
Auxiliary for the ceramic industry

- Manufacturer/supplier details

ZSCHIMMER & SCHWARZ
GmbH & Co. KG
CHEMISCHE FABRIKEN
Max-Schwarz-Str. 3-5
D-56112 Lahnstein/Rhein
Telephone no.: +49(0)2621/12-0
Telefax: +49(0)2621/12-407

Information provided by: Produktentwicklung Keramikhilfsmittel
Telephone no.: +49 (0) 2621/12-363

Information in case of emergency: Z&S industrial fire brigade
Telephone no.: +49 (0) 2621/12-0

2. Composition / information on ingredients

- Chemical characterization

HUMINAT - SILIKAT - ZUBEREITUNG

- Hazardous ingredients

EINECS/CAS	substance	Haz. label	R phrases	Concentration
2299129	Silicic acid (H ₂ SiO ₃), disodium salt			> 10 %
6834-92-0	C		34,37	
2078388	Carbonic acid disodium salt			> 10 %
497-19-8	Xi		36	
2156874	Silicic acid, sodium salt			> 1 %
1344-09-8	Xi		41,37/38	

3. Hazards identification

Causes burns.
Irritating to respiratory system.



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2 / 6

4. First aid measures

- General information
Remove contaminated soaked clothing immediately and dispose of safely.
In the event of symptoms refer for medical treatment.
- Inhalation
Remove the casualty into fresh air and keep him calm.
Refer for medical treatment.
- Skin contact
In case of contact with skin wash off immediately with plenty of water.
- Eye contact
In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
- Ingestion
Summon a doctor immediately.

5. Special fire-fighting procedures

- Suitable extinguishing media
Product itself is non-combustible; fire extinguishing method of surrounding areas must be discussed.

6. Accidental release measures

- Personal precautions
Do not inhale dust.
Avoid contact with eyes and skin.
- Environmental precautions
Dispose of absorbed material in accordance with the regulations.
- Methods for cleaning up/taking up
Take up mechanically.
Avoid raising dust.

7. Handling and storage

- Advice on safe handling
Store in a dry place.
- Advice on protection against fire and explosion
No special measures necessary.
- Requirements for storage rooms and vessels



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3 / 6

Do not use light metal drums.

8. Exposure controls / personal protection

- Components with occupational exposure limits to be monitored

AGW value: 6 mg/m³

- General protective measures / hygiene measures
Observe the usual precautions when handling chemicals.
- Respiratory protection (EN 141)
dust mask
- Hand protection (EN 374)
For permanent contact gloves made of the following materials are suitable (Permeation according to EN 374 Part 3: Level 6):
Nitrile rubber (NBR) gloves
The exact penetration time must be obtained from the manufacturer of the protective gloves and has to be observed. The determination of penetration times according to EN 374 part III is not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- Eye protection (EN 166)
goggles
- Skin protection (EN 465)
protective overalls

9. Physical and chemical properties

Form:	powder
Colour:	dark grey
Odour:	odourless
Melting point:	> 100 °C
Boiling point:	not applicable
Flash point:	not applicable
Vapour pressure:	not applicable
Bulk density:	800 g/l
Solubility: water	soluble
pH-value: water	1 % 12 at 20 °C

10. Stability and reactivity

- Conditions to be avoided
Protect from atmospheric moisture or water.
- Hazardous decomposition products



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4 / 6

No hazardous decomposition product known.

11. Toxicological information

LD50 (oral): > 2000 mg/kg

- Primary irritancy
Effect on skin: corrosive
Effect on eyes: corrosive
- Experiences made in practice
Irritation of eyes, mucous membranes, skin and respiratory organs as a result of contact due to a strong alkali reaction of the powder/dust.
- General remarks
The product has not been tested. The information is derived from the properties of the individual components.
The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

12. Ecological information

- Data on elimination (persistence and degradability)

- General information
The organic component of the product is biodegradable.

- Ecotoxic effects

LC50: > 100 mg/l

13. Disposal considerations

- Product
Can be taken to a disposal site, if relevant regulations in force are being observed and, if necessary, after consulting the waste disposal agency, respectively the relevant authorities.
- Contaminated packaging
Contaminated packaging should be emptied as far as possible and may be reused after appropriate cleansing.

14. Transport information

- Land transport
ADR/RID - GGVS/E: 8
PG: III
Hazard no.: 80
Substance no.: 3253
TVB:



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5 / 6

~~Disodium trioxosilicate, mixture~~

- Marine transport

IMDG/GGVSee: 8
UN no.: 3253 PG: III
EmS: F-A S-B
Marine pollutant: N
Proper shipping name: Disodium trioxosilicate, mixture

- Air transport

ICAO-Ti/IATA-DGR: 8
UN/ID no.: 3253 PG: III
Proper shipping name: Disodium trioxosilicate, mixture

- Transport / special classification

Dispatch by mail (FRG): J
Max. per vessel: 500 g
Max. per consignment: 2000 g

15. Regulatory information

- Labelling according to EC directives

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

- Hazard symbols
C - corrosive

- R phrases
34
Causes burns.
37
Irritating to respiratory system.

- S phrases
22
Do not breathe dust.
26
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/39
Wear suitable protective clothing, gloves and eye/face protection.
45
In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

- Other regulations, restrictions and prohibition regulations

- 1996/82/EC: ---
- Water hazard class (FRG): 1



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6 / 6

16. Additional information

- Relevant R-phrases (see item 2)

34
Causes burns.

36
Irritating to eyes.

37
Irritating to respiratory system.

37/38
Irritating to respiratory system and skin.

41
Risk of serious damage to eyes.

This information is based on our present state of knowledge. It should not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Existing acts and regulations must be observed by the recipient of our products under his own responsibility.