

Material Safety Data Sheet
According to 91/155 EC

Printing date 20.11.2002

Reviewed on 20.11.2002

Trade name: ALTO Active Floc

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- Protective equipment: Wear self-contained breathing apparatus.
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6 Accidental release measures

- Person-related safety precautions:
Wear protective equipment. Keep unprotected persons away.
 - Measures for environmental protection:
Prevent material from reaching sewage system, holes and cellars.
 - Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
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7 Handling and storage

- Handling
 - Information for safe handling: No special measures required.
 - Information about protection against explosions and fires:
No special measures required.
 - Storage
 - Requirements to be met by storerooms and containers:
No special requirements.
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions:
Keep container tightly sealed. Keep at temperature not exceeding 40°C.
 - Storage class
 - Class according to regulation on inflammable liquids: Void
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8 Exposure controls and personal protection

- Personal protective equipment
 - General protective and hygienic measures
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
 - Breathing equipment: Not required.
 - Protection of hands:
Protective gloves.
The glove material has to be impermeable and resistant to the product/
the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be
given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration
times, rates of diffusion and the degradation
 - Material of gloves
The selection of the suitable gloves does not only depend on the
material, but also on further marks of quality and varies from
manufacturer to manufacturer. As the product is a preparation of
several substances, the resistance of the glove material can not be
calculated in advance and has therefore to be checked prior to the
application.
 - Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of
the protective gloves and has to be observed.
 - Eye protection: Tightly sealed safety glasses.
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9 Physical and chemical properties:

- General Information
 - Form: Fluid
 - Colour: Light yellow
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- Odour: Odourless			
-		Value/Range	Unit Method
- Change in condition			
- Melting point/Melting range:		Not determined	
- Boiling point/Boiling range:		100 ° C	
- Flash point:		Not applicable	
- Self-inflammability:		Product is not selfigniting.	
- Danger of explosion:		Product is not explosive.	
- Vapour pressure:	at 20 ° C	23.0	hPa
- Density	at 20 ° C	1.000	g/cm ³
- Solubility in / Miscibility with			
- Water:		Fully miscible	
- pH-value:	(10 g/l) at 20 ° C	2.9	

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Dangerous reactions No dangerous reactions known
- Dangerous products of decomposition:
No dangerous decomposition products known

11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: cause irritation
- Sensitization: No sensitizing effect known.
- Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

- General notes:
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.

13 Disposal considerations

- Product:
- Recommendation
Must be specially treated under adherence to official regulations.
- Uncleaned packagings:

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Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID Class: 8 (C1) Corrosive substances.
- Kemler Number: 80
- UN-Number: 3264
- Packaging group: III
- Label 8
- Designation of goods: 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Polyaluminiumhydroxidchloridsulfat)

- Maritime transport IMDG:
- IMDG Class: 8
- UN Number: 3264
- Label 8
- Packaging group: III
- EMS Number: 8-15
- Marine pollutant: n.a.
- No
- Correct technical name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Polyaluminiumhydroxidchloridsulfat)

- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: 8
- UN/ID Number: 3264
- Label 8
- Packaging group: III
- Correct technical name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Polyaluminiumhydroxidchloridsulfat)

15 Regulatory information

- Designation according to EC guidelines:
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- Code letter and hazard designation of product: Xi Irritant
- Risk phrases: 36/38 Irritating to eyes and skin.
- Safety phrases:
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - 37 Wear suitable gloves.
 - 60 This material and its container must be disposed of as hazardous waste.
- Water hazard class:
Water hazard class 2 (Self-assessment): hazardous for water.
- National regulations
- Classification according to VbF: Void

16 Other information

- These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- Relevant R-phrases 36/38 Irritating to eyes and skin.
 - Department issuing data specification sheet:
Department cleaning and care agents