

1. Identification of substance/mixture and company/undertaking

Multiseal SPECIAL

Use: See product information
Identified use: none
Mode of action: See product information
Undertaking: Unipak A/S
Marktoften 3c
8464 Galten/Denmark
Tel.: +45 86 26 11 77
Fax: +45 86 26 09 59
Website: www.unipak.dk
E-mail: sales@unipak.dk

Undertaking's emergency
telephone number: +45 82 12 12 12 (day and night)
Responsible person: Schroeder@chemiebuero.de

2. Hazards identification

Physicochemical hazards: See Chapter 10
Human health hazards: No known risks
Environmental hazards: No known risks
Other hazards: none
Hazard symbols: none
R-phrases: none

3. Composition/Information on ingredients

Contents [%] Component
< 40 Sodium silicat, MR > 3,2
CAS: 1344-09-8, EINECS/ELINCS: 215-687-4 EU-INDEX: ECB No.:
GHS/CLP:
EEC: Xi, R36/37/38

Comment on components: No ingredients mentioned in the SVHC List (Candidate List of Substances of Very High Concern for authorisation)

4. First-aid measures

General advice: Change contaminated clothing.
On inhalation: Provide fresh air.
On skin contact: If the substance spills onto the skin, wash immediately with soap and water.
Seek medical attention in case of persistent skin irritation.
In case of contact with eyes: If the substance gets into the eyes, flush immediately with plenty of water
and contact a doctor.
If swallowed: At discomfort seek medical treatment.
Rinse the mouth and drink plenty of water.
Do not provoke vomiting.
Advice to medical practitioner: Symptomatic treatment.

5. Firefighting measures

Suitable extinguishing agents: The product itself is not flammable. Rules for firefighting should be adapted for fires in surrounding areas.

Unsuitable extinguishants: Full water jet.

Particular exposure risks deriving from actual product or combustion products:

Risk of formation of toxic pyrolysis products.

Special protective equipment for firefighting:

Do not inhale explosion- and fire gasses.
Use supplied air breathing apparatus.

Other information:

Fire residues and contaminated extinguishing water must be disposed of in accordance with local authority regulations.

6. Accidental release measures

Person-related precautions: Particular danger of slipping if the product has ran out/is spilled
Use personal protective equipment.

Environmental protection rules:

Prevent spreading of spillages (e.g. by containing spills mechanically or with oil barriers).
Must not enter drainage system/surface water/ground water.

Methods for cleaning/mopping up:

Remove with liquid-binding material (e.g. sand, sawdust, universal binder, diatomite).
The removed material should be disposed of in accordance with regulations.

7. Handling and storage

Guidelines for safe handling: No special precautions when correctly used

Advice for fire and explosion

protection: No special precautions required.

Requirements for storage areas and containers:

Store only in original containers.
Incorporate caustic-resistant floors.

Advice for combined storage: Must not be stored together with oxidants

Must not be stored together with acids.

Further information on storage conditions:

The container must be kept tightly closed.
Protect against frost.

8. Exposure controls/personal protection

Further advice on design of technical plant:	Ensure plentiful ventilation at the workplace
Ingredients with work-hygiene threshold limits:	Not applicable
Breathing protection:	Breathing protection in case of aerosol or mist formation. Short-term filter mask, filter P2.
Hand protection:	These indications are recommendations. For further information please contact glove supplier. For full contact: Butyl rubber, >480 min (EN 374). Nitril, >480 min (EN 374). For splash contact: Butyl rubber, >120 min (EN 374). Nitril, >120 min (EN 374).
Eye protection:	Safety glasses.
Body protection:	not applicable
General protective measures:	Avoid contact with eyes and skin. Protective overalls must be selected specifically for the workplace, depending on the concentration and amount of toxic substances to be handled. Information on the overall's resistance to chemicals must be obtained from the individual supplier.
Hygiene precautions:	Wash hands before breaks and after work. Use skin cream for preventive effect.
Limitation and monitoring of environmental impacts:	Not determined

9. Physical and chemical properties:

Form:	Liquid
Colour:	red
Odour:	odeur-less
pH value:	app. 11 (100g/l; 20°C)
pH value [1%]:	not determined
Boiling point [°C]:	not determined
Flash point [°C]:	not applicable
Flammability [°C]:	not determined
Lower explosive limit:	not applicable
Upper explosive limit:	not applicable
Fire intensifying properties:	no
Vapour pressure [kPa]:	not determined
Mass density [g/ml]:	1.35 (20°C)
Specific weight [kg/m³]:	not applicable
Solubility in water:	mixable
n-Ofanol/water distribution coefficient [log Pow]:	not determined
Viscosity:	not determined

Vapour density

compared to air: not determined

Evaporation rate: not determined

Melting point [°C]: not determined

Autoignition [°C]: not determined

Decomposition point [°C]: not determined

10. Stability and reactivity

Hazardous reactions: Reacts with aluminium
Reacts with acid
Reacts with oxidations
Reacts with metals with formation of hydrogen.

Hazardous decomposition products: No known hazardous breakdown products.

11. Toxicological information

Acute oral toxicity: not determined

Acute dermal toxicity: not determined

Acute inhalation toxicity: not determined

Eye irritation: not irritant

Skin irritation: not irritant

Sensitisation: not sensitizing

Subacute toxicity: not determined

Chronic toxicity: not determined

Mutagenicity: not determined

Reproductive toxicity: not determined

Carcinogenicity: not determined

Practical experience: Sodium silicat: solutions between molratio $\geq 3,2$ and concentration $< 40\%$ are not regulated

General comments: Classification made by the calculation method of the preparation directive.
No known toxicological data.

12. Ecological information

Toxicity to fish: not determined

Toxicity to daphnia: not determined

Behaviour in environment: not determined

Behaviour in sewage works: before release to drains must be treated by best available methods.

Toxicity to bacteria: not determined

Biological degradability: not determined

COD: not determined

BOD 5: not determined

AOX advice: not applicable

2006/11/EC: not applicable

General advice: No ecological data.

Classification performed by calculation method in the Dangerous Preparations Directive.

13. Disposal considerations

Product: Ask the producer for possible reuse
Uncleaned packaging: Contaminated packaging must be emptied and cleaned to be reused.
Packaging which cannot be cleaned is regarded as waste and disposed of as for contents.
European Waste Catalogue (recommended): 070799

14. Transport information

ADR classification: NOT CLASSIFIED AS "DANGEROUS GOODS"
IMDR classification: NOT CLASSIFIED AS "DANGEROUS GOODS"
IATA classification: NOT CLASSIFIED AS "DANGEROUS GOODS"

15. Regulatory information

Exposure scenario: not determined
Chemical safety assessment: not determined
Labelling: Product not liable for labelling under EU guidelines
Hazard symbols: None
Component: None
R-phrases: None
S-phrases: None
Special labelling: Safety data sheet can be required by professionals
EEC REGULATIONS: 1967/548 (2008/58, 30. ATP/31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC)
TRANSPORT REGULATIONS: ADR (2009); IMDG Code (34th Amdt.); IATA-DGR (2010).
NATIONAL REGULATIONS (DK):
Approval, SECTION VII: not applicable
Restrictions, SECTION VIII: not applicable
- Code number (1993/2001): not applicable

16. Other information

R-phrases (Chapter 03): R 36/37/38: irritates eyes, respiratory system and skin
Maintain employment restrictions for persons: not applicable
VOC (1991/13/EC): 0%

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