

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](http://www.unipak.dk)  
E-mail: [sales@unipak.dk](mailto:sales@unipak.dk)

Undertaking's emergency  
telephone number: +45 82 12 12 12 (day and night)  
Responsible person: [sales@unipak.dk](mailto:sales@unipak.dk)

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-Octanol/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.
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Hazardous decomposition products:	No known hazardous breakdown products.
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## 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.

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### 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%

All the above information is based on our current knowledge but does not constitute a guarantee of product properties and does not create any contractual relationship.