

1. Identification of substance/mixture and company/undertaking

Multiseal AFLOEB

Use: Sealing
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: sales@unipak.dk

2. Hazards identification

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

3. Composition/Information on ingredients

Contents [%]	Component
< 40	Sodium silicate, 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: Contains no substances 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: In case of discomfort bring the patient to a doctor.
Do not provoke vomiting.
Rinse the mouth and drink plenty of water.
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 combustion gases.
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: High risk of slipping if the product has ran out
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: When correctly used, no special precautions are required.

Advice for fire and explosion protection:

No special precautions are required.

Requirements for storage areas and containers:

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

Advice for combined storage:

Must not be stored together with oxidising agents.
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). Nitrile, >480 min (EN 374). PVC (EN 374) For splash contact: Butyl rubber, >120 min (EN 374). Nitrile, >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 at the end of work. Use skin cream for preventive effect.
Limitation and monitoring of environmental impacts:	Not determined

9. Physical and chemical properties:

Form:	liquid
Colour:	dark green
Odour:	odour-free
pH value:	approx. 11 (100g/l; 20°C)
pH value [1%]:	not determined
Boiling point [°C]:	>100
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]:	approx. 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 oxidants 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 determined
Skin irritation:	not determined
Sensitisation:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproductive toxicity:	not determined
Carcinogenicity:	not determined
Practical experience:	Sodium silicate: Solutions with mole ratio ≥ 3.2 and concentration $<40\%$ are not subject to regulation.
General comments:	Classification performed by calculation method in the Dangerous Preparations Directive. No toxicological data is available.

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 applicable
COD:	not determined
BOD 5:	not determined
AOX advice:	not applicable
2006/11/EC:	yes
General advice:	No ecological data available Classification performed by calculation method in the Dangerous Preparations Directive.

13. Disposal considerations

Product:	Ask producer about possible reuse.
Uncleaned packaging:	Uncontaminated packaging may be taken to recycling centres. 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
R-phrases:	none
S-phrases:	none
Special labelling:	Supplier's user instructions may be requested by commercial users.
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 no. (1993/2001):	not applicable

16. Other information

R-phrases (Chapter 03):	R 36/37/38: Irritating to eyes, respiratory system and skin.
Maintain employment restrictions for persons:	not applicable
VOC (1999/13/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.