

1. Identification of substance/mixture and company/undertaking

Multiseal F

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: See Chapter 15
Environmental hazards: See Chapter 12
Other hazards: none



Hazard symbols:
R-phrases: R36/38: Irritates eyes and skin
R43: May cause allergy by skin contact

3. Composition/Information on ingredients

Contents [%]	Component
0,1-< 0,2	Mixture: 5-Chloro-2-methyl-2H-isothiazolin-3-one/2-Methyl-4-isothiazolin-3-one (3:1) CAS: 55965-84-9, EINECS/ELINCS: EU-INDEX:613-167-00-5 ECB No.: GHS/CLP: Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1, H331, H311, H301, H314, H317, H400, H410 EEC: T-N, R23/24/25-34-43-50/53

Comment on components: There are not contained substances listed 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.
By symptoms seek for medical treatment
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: Rinse the mouth and drink plenty of water.
Do not provoke vomiting.
Medical treatment necessary.
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:	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:	Ensure plentiful ventilation. In conjunction with water creates slippery surfaces. 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:	Use only in well ventilated areas. Usual precautions for handling chemicals should be observed.
Advice for fire and explosion protection:	No special precautions are required.
Requirements for storage areas and containers:	Store only in original containers. Prevent safely penetration in the soil.
Advice for combined storage:	Must not be stored together with acids.
Further information on storage conditions:	The container must be kept tightly closed. Stored cold. 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:	Not applicable
Hand protection:	These indications are recommendations. For further information please contact glove supplier. For full contact: Butyl rubber, >480 min (EN 374). For splash contact: Butyl rubber, >120 min (EN 374).
Eye protection:	Tight fitting safety glasses.
Body protection:	Light protective suit
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:	Do not eat or drink during work. 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:	viscous
Colour:	colourless
Odour:	odour-free
pH value:	8 (100g/l)
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 acid

Hazardous decomposition products: No known hazardous breakdown products.

11. Toxicological information

Acute oral toxicity: LD50: ca. 66mg/kg (CAS 55965-84-9) rat

Acute dermal toxicity: LD50: ca. 100mg/kg (CAS 55965-84-9) rabbit

Acute inhalation toxicity: LD50(4h): 0,33mg/l (CAS 55965-84-9) rat

Eye irritation: irritant

Skin irritation: irritant

Sensitisation: sensitizing

Subacute toxicity: not determined

Chronic toxicity: not determined

Mutagenicity: not determined

Reproductive toxicity: not determined

Carcinogenicity: not determined

Practical experience: None

General comments: The data given toxicological refer to main components.

Classification made by the calculation method of the preparation directive

12. Ecological information

Toxicity to fish: LC50(96h): 0,22 mg/kg (CAS 55965-84-9) (Oncorhynchus mykiss)

Toxicity to daphnia: EC50(48h): 0,12 mg/l (CAS 55965-84-9) (Daphnia magna)

Behaviour in environment: not determined

Behaviour in sewage works: not determined

Toxicity to bacteria: not determined

Biological degradability: not applicable

COD: not determined

BOD 5: not determined

AOX advice: product contains organically bound halogen

2006/11/EC: not applicable

General advice: The ecological data available refer to the main components

Do not allow the product uncontrolled into the environment and the drainage

13. Disposal considerations

Product: Disposal as hazardous waste

Ask the producer for possible recycling

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): 080409*


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 is classified and marked according to EU guidelines



Hazard symbols: 
Component: Mixture: 5-Chloro-2-methyl-2H-isothiazolin-3-one/2-Methyl-4-isothiazolin-3-one (3:1)
R-phrases: R 36/38: irritates eyes and skin
R 43: Can cause allergy with skin contact
S-phrases: S 24/25: Avoid contact with skin and eyes
S 37: use suitable protective gloves during work
Special labelling: not applicable
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): 00-3

16. Other information

R-phrases (Chapter 03): R 23/24/25: toxic by inhalation, at skin contact and ingestion
R 34: cauterization danger
R 43: may cause allergy by skin contact
R 50/53: very toxic for organisms living in water: can cause unwanted long-term effects in the water environment
Risk phrases (Chapter 03): H331 Toxic at inhalation
H311 Toxic at skin contact
H301 Toxic at ingestion
H314 Causes severe burns of skin and eye damages
H317 Can cause allergic skin reaction
H400 Very toxic for aquatic organisms
H410 Very toxic with long-term effect for aquatic organisms
Maintain employment restrictions for persons: yes
VOC (1991/13/EC): not determined

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.