

1. Identification of substance/mixture and company/undertaking

Multiseal HC 60

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: 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: Irritates eyes

3. Composition/Information on ingredients

Contents [%]	Component
16 - 20	Calcium chloride CAS: 10043-52-4, EINECS/ELINCS: 233-140-8 EU-INDEX:017-013-00-2 ECB No.: GHS/CLP:eye irrit. 2, H319 EEC: Xi, R36

Comment on components: There are not contained substances listed in the SVHC List (Candidate List of Substances of Very High Concern for authorisation) The text for the stated hazard reference appears in chapter 16.

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.

Let the injured vomit if he is conscious.

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. Use personal protective equipment. Particular danger of slipping if the product has ran out/is spilled
Environmental protection rules:	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:	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. Incorporate caustic-resistant floors.
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. Stored dry.

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 (EN374) For splash contact: Butyl rubber, >120 min (EN 374). Nitril, > 120 min (EN374)
Eye protection:	Tightfitting safety glasses.
Body protection:	Light protective suit
General protective measures:	Avoid contact with eyes and skin. Avoid inhalation of vapours/aerosol mists. 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:	alkaline
pH value [1%]:	not determined
Boiling point [°C]:	> 100
Flash point [°C]:	not applicable
Flammability [°C]:	not determined
Lower explosive limit:	not determined
Upper explosive limit:	not determined
Fire intensifying properties:	no
Vapour pressure [kPa]:	not determined
Mass density [g/ml]:	1.153 (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 strong acids
Hazardous decomposition products:	No known hazardous breakdown products.

11. Toxicological information

Acute oral toxicity:	LD50: 3798 mg/kg Rat
Acute dermal toxicity:	not determined
Acute inhalation toxicity:	not determined
Eye irritation:	irritant
Skin irritation:	not determined
Sensitisation:	not sensitizing
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproductive toxicity:	not determined
Carcinogenicity:	not determined
Practical experience:	frequent or prolonged skin contact may cause skin irritation
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):	13400 mg/l (Gambusia affinis) LC50(96h): 10650 mg/l (Lepomis macrochirus)
Toxicity to daphnia:	LC50(48h): 3005 mg/l (Daphnia magna)
Behaviour in environment:	not determined
Behaviour in sewage works:	must be treated according to best available techniques before lead into sewerage
Toxicity to bacteria:	not determined
Biological degradability:	not applicable
COD:	not determined
BOD 5:	not determined
AOX advice:	not applicable
2006/11/EC:	not applicable
General advice:	The ecological data available refer to the main components Classification performed by calculation method in the Dangerous Preparations Directive.

13. Disposal considerations

Product:	Disposal as hazardous waste Ask the producer for possible recycling
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):	060314*


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: 
R-phrases: R 36: irritates eyes
S-phrases: S 24: Avoid contact with skin
S 26: if substance gets in contact with eyes, rinse immediately with plenty of water and seek Medical attention.
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): not applicable

16. Other information

R-phrases (Chapter 03): R 36: irritates eyes
Risk phrases (Chapter 03): H319 causes severe eye irritation
Maintain employment restrictions for persons: yes
VOC (1991/13/EC): not applicable

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.