



Material safety data sheet

Material Safety data sheet according to Regulation (EC) No.1907/2006
Date / Revised: 17.07.2009 Version: 1.0
Product: **WATCHSORB**
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1. Substance/preparation and company identification

WATCHSORB

Use: Raw material, for industrial use only

Watch® GmbH
Mannheimer-Str. 8
68766 Hockenheim

Emergency information:

Telephone: **+49 (0)6205 3092 53**
Telefax number: **+49 (0)6205 3092 67**

2. Hazard identification

No particular hazards known.

3. Composition/information on ingredients

Chemical nature sodium

polyacrylate, crosslinked

4. First-aid measures

General advice: Remove contaminated clothing.

If inhaled:
If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

On skin contact:
Wash thoroughly with soap and water.

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:
Rinse mouth and then drink plenty of water.

Note to physician:
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Suitable extinguishing media: water spray, dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide, water jet

Additional information: Avoid whirling up the material/product because of the danger of dust explosion.

Special protective equipment: Wear a self-contained breathing apparatus.

Further information: Contaminated extinguishing water must be disposed of in accordance with official regulations. The degree of risk is governed by the burning substance and the fire conditions.

6. Accidental release measures

Personal precautions: Breathing protection required. Avoid dust formation.

Methods for cleaning up or taking up: For large amounts: Contain with dust binding material and dispose of.

7. Handling and storage

Handling Handle in accordance with good industrial hygiene and safety practice.

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid the formation and deposition of dust.

Protection against fire and explosion: The relevant fire protection measures should be noted. Take precautionary measures against static discharges. The product contains combustible polymers.

Storage

Further information on storage conditions: Keep container dry because product takes up the humidity of air.

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection: Breathing protection if dusts are formed.

Hand protection: Chemical resistant protective gloves (EN 374) nitrile rubber (NBR) - 0.4 mm coating thickness chloroprene rubber (CR) - 0.5 mm coating thickness

Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. Physical and chemical properties

Form:	granules
Colour:	white
Odour:	odourless
pH value:	approx. 6.0
Bulk density:	approx. 700 kg/m ³
Solubility in water:	insoluble, only capable of swelling
Hygroscopy:	hygroscopic

10. Stability and reactivity

Hazardous reactions: The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions. Accumulation of fine dust may entail the risk of a dust explosion in the presence of air. Dust explosion hazard.

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

Acute toxicity

LD50 rat (oral): > 2,000 mg/kg

LD50 rat (dermal): > 2,000

Irritation

mg/kg

Primary skin irritation rabbit: non-irritant (OECD Guideline 404) Primary irritations of

the mucous membrane rabbit: non-irritant (OECD Guideline 405)

Sensitization

No sensitizing effect.

Carcinogenicity

Assessment of carcinogenicity: A chronic (2-year) lifetime inhalation study in rats with respirable superabsorber polymer dust (micronized to < 10 µm diameter) resulted in a non-specific inflammatory response in the lungs followed by tumor development in some rats in the highest chronic exposure level of 0.8 mg/m³. In the absence of chronic inflammation, tumours are not expected.

Other relevant toxicity information

The statement was derived from products of similar composition.

12. Ecological information

Ecotoxicity

Toxicity to fish: LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD Guideline 203, static)

Aquatic invertebrates: EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

Aquatic plants: EC50 (72 h) > 100 mg/l, Desmodemus subspicatus
(OECD Guideline 201) Nominal concentration.

Microorganisms/Effect on activated sludge: The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Soil living organisms: LC50 > 1,000 mg/kg, Eisenia foetida
(OECD Guideline 207)

Persistence and degradability

Assessment biodegradation and elimination (H2O): The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

Additional information

Add. remarks environm. fate & pathway: Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Other ecotoxicological advice: Do not release untreated into natural waters. The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.

A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to dependence on the usage. Observe national and local legal requirements.

Contaminated packaging: Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport information

Land transport

ADR

Not classified as a dangerous good under transport regulations RID

Not classified as a dangerous good under transport regulations

Inland waterway transport

ADNR

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Regulations of the European union (Labelling) / National legislation/Regulations
Directive 1999/45/EC ('Preparation Directive')

:

The product does not require a hazard warning label in accordance with EC Directives.

Other regulations

The information fulfills the requirements of Directive 1999/45/EC concerning preparations and the associated requirements for 'Material Safety data sheets'.

16. Other information

Any other intended applications should be discussed with the manufacturer.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this Material Safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the Material Safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.