

## Safety Data Sheet after 91/155/EWG

### 1. Product: WETSORB

Provided: 01.07.2009

2. **chemical characterization:** Potassic (Kalium) Polyacrylat, cross-linked

3. **Special warnings:** for humans and the environment is not necessary

### 4. First aid action:

- General Information: Remove contaminated clothing.
- After Inhalation: disturbances by inhalation of dust: fresh air, medical care.
- After Skin contact: wash with water and soap.
- After Eye contact: 15 minutes at eyelids spread thoroughly under running water rinse
- After Swallow: Immediately rinse the mouth and drink plenty of water
- Instructions for the doctor: Symptomatic treatment (decontamination, vital functions), no specific antidote known.

### 5. Fire-fighting measures:

Suitable extinguishing: spray water, dry chemical, foam

For security reasons inapplicable Extinguishing: carbon dioxide (CO<sub>2</sub>) (Dust explosion hazard)

Released by fire: Gases / vapors. Hazard depends on the burning materials and fire conditions.

Special protective equipment: by fire use a Self-contained breathing apparatus.

Further information: Contaminated water must be disposed in accordance with local regulations

### 6. In case Accidental release:

Personal precautions: respiratory equipment

Environmental protection procedure: The product should not get undiluted into water.

Avoid dust formation.

Method for cleaning / Absorption: With dust binding raise funds and dispose.

### 7. Handling and Storage:

Transferring large quantities without exhaust: Respiratory protection (dust mask)

avoid dust and dust building.

Fire and explosion protection: The product contains flammable polymers. the relevant fire safety measures must be observed.

Measures against electrostatic charges are to be taken.

Storage. Keep Container closed and keep it on a dry spot.

The product is hygroscopic.

**VCI – Storage-class:** 11

## 8. Exposure and personal protective equipment:

### Components with specific limits to be monitored:

Based on results to a study by the Institute for Polyacrylate absorber (USA), with micronised superabsorbent polymer particulate carried 2-year inhalation study (rats), as an industry standard occupational exposure limit of less than 0.05 mg / m<sup>3</sup> respirable dust polymer (grain size smaller than 10 micrometers) is recommended.

note: for Additional information see MAK- list.

### Personal precautions: Respiratory protection

Cloves

Eye protection: recommended

Body protection: closed working cloth

General protection and hygiene procedure: Must follow the usual precautions, when dealing with chemicals.

## 9. Physical and chemical properties:

**Form:** Granules

Colour: white Smell: odorless

Flashpoint: >100 °C (DIN 51758) Ignition  
temperature: >200 °C (DIN 51794) Danger

of explosion: dust explosions hazard class: ST 1

Density: about 600 kg/m<sup>3</sup> solubility in water: (20 °C)

insoluble, swellable

pH value: (at 1 g / l, 20°C) about 6 to 0.9% NaCL - Solution

Further information:

product is hygroscopic.

## 10. Stability and reactivity:

Conditions to avoid: beware of humidity.

Dangerous reactions: explosive dust possible

Dangerous decomposition products: None, if used as described

## 11. Toxicology :

The statement is of similar composition derived products.

### Acute toxicity:

LD50/oral/Ratte:> 2000 mg / kg LD50/dermal/Ratte:> 2000 mg / kg

Primary skin irritation / rabbit / OECD 404: non-irritant

Primary mucous irritation / rabbit eye / OECD 405: non-irritant

### Subacute-chronic toxicity :

a chronic (2 years) life-time inhalation study in rats with micronized superabsorbent polymer particles (fully respirable particles to obtain) showed nonspecific inflammatory lung effects that chronic exposure in the highest dose group with some rats on the incidence of lung cancer resulted.

Without chronic inflammatory reactions are not expected to tumors. The study provided a clear NOEL (No-Observed effect level) of 0.05 mg/m<sup>3</sup> micronised superabsorbent polymer dust. Effect not sensitizing

## 12. Ecological information:

Due to its low water solubility, the product is largely in biological sewage treatment plants mechanically separated.

### Behaviour in the environment:

Due to the consistency of the product is not disperse distribution in the environment. Negative environmental effects are therefore to current knowledge, not to be expected.

## 13. Disposal:

Must be in compliance with local, government regulation of a special treatment to be, for example appropriate incinerator.

CONTAMINATED packaging

Non-contaminated packaging material can be re-used,

dispose not cleanable packaging material like the disposal of the product.

## 14. Transport information:

**The product is considered as non hazardous, non dangerous goods!**

## 15. Rules

Labelling according to EU Regulations

Water hazard class: WHC 1 (Germany) (self-classification).

## 16. Other informations:

Custom Tarik No.: 3906

The above information is based on the present state of our knowledge and provide no guarantee of features.

Existing laws and regulations consider the users as acting on their own responsibility.

The present safety data sheet is valid without a signature, as created by a computer.