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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation WEBAC 250 Comp. B
Polyacrylic Gel

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

crosslinking agent for acrylate gels

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

WEBAC-Chemie GmbH

Fahrenberg 22
22885 Barsbüttel / Hamburg
GERMANY

Telephone: +49 40 67057-0

Telefax: +49 40 6703227

Department responsible for information:

laboratory

E-mail

sdb@webac.de

1.4. Emergency telephone number

Giftinformationszentrum-Nord +49 551 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

| | | |
|----------------------|-----------------------------------|--|
| Ox. Sol. 3 / H272 | Oxidising solids | May intensify fire; oxidiser. |
| Acute Tox. 4 / H302 | Acute toxicity (oral) | Harmful if swallowed. |
| Skin Irrit. 2 / H315 | Skin corrosion/irritation | Causes skin irritation. |
| Eye Irrit. 2 / H319 | Serious eye damage/eye irritation | Causes serious eye irritation. |
| Resp. Sens. 1 / H334 | Respiratory or skin sensitisation | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Skin Sens. 1 / H317 | Respiratory or skin sensitisation | May cause an allergic skin reaction. |
| STOT SE 3 / H335 | STOT-single exposure | May cause respiratory irritation. |

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Danger

Hazard statements

| | |
|------|--|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H317 | May cause an allergic skin reaction. |
| H335 | May cause respiratory irritation. |
| H272 | May intensify fire; oxidiser. |

Precautionary Statements

| | |
|-------------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P220 | Keep away from clothing and other combustible materials. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves and eye/face protection. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P342 + P311 | If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. |
| P370 + P378 | In case of fire: Use extinguishing powder or sand to extinguish. |

Hazard components for labelling

Disodium peroxodisulphate

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Supplemental hazard information
not applicable

- 2.3. **Other hazards**
No information available.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description crosslinking agent for acrylate gels

Hazardous ingredients

| EC No. CAS No. INDEX No. | REACH No. Designation classification: // Remark | weight-% |
|--------------------------------|---|----------|
| 231-892-1 7775-27-1 | 01-2119495975-15-xxxx Disodium peroxodisulphate Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Resp. Sens. 1 H334 / Skin Sens. 1 H317 / STOT SE 3 H335 / Ox. Sol. 3 H272 | 50 - 100 |

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe dust.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. Avoid breathing dust. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Transport always in closed, upright and safe containers.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

not applicable

DNEL:

Disodium peroxodisulphate

EC No. 231-892-1 / CAS No. 7775-27-1

DNEL acute dermal, short-term (local), Workers: 224,8 mg/dm²

DNEL acute dermal, short-term (systemic), Workers: 400 mg/kg bw/day

DNEL long-term dermal (local), Workers: 10,2 mg/dm²

DNEL long-term dermal (systemic), Workers: 18,2 mg/kg bw/day

DNEL acute inhalative (systemic), Workers: 590 mg/m³

DNEL long-term inhalative (local), Workers: 2,06 mg/m³

DNEL long-term inhalative (systemic), Workers: 2,06 mg/m³

PNEC:

Disodium peroxodisulphate

EC No. 231-892-1 / CAS No. 7775-27-1

PNEC aquatic, freshwater: 0,0763 mg/L

PNEC aquatic, marine water: 0,011 mg/L

PNEC aquatic, intermittent release: 0,763 mg/L

PNEC sediment, freshwater: 0,275 mg/kg

PNEC sediment, marine water: 0,0396 mg/kg

PNEC, soil: 0,015 mg/kg

PNEC sewage treatment plant (STP): 3,6 mg/L

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. In case of inadequate ventilation wear respiratory protection.

Personal protection equipment

Respiratory protection

Suitable respiratory protection apparatus:
Filtering Half-face mask (DIN EN 149)

Hand protection

For prolonged or repeated handling the following glove material must be used: nitrile rubber or butyl rubber
Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear safety goggles to protect your eyes from dust. Wear closed protection glasses.

Body protection

Wear suitable protective clothing. Wear dust-resistant protective clothing.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: solid
Colour: white

Odour: characteristic

Odour threshold: not determined

pH at 20 °C: 3 - 6 / 1,0 weight-%
Method: DIN EN ISO 10523

Melting point/freezing point: not determined

Initial boiling point and boiling range: not applicable

Flash point: not applicable

flammability

Burning time (s): not applicable

Upper/lower flammability or explosive limits:

Lower explosion limit: not determined

Upper explosion limit: not determined

Vapour pressure at 20 °C: not determined

Relative density:

Density at 20 °C: 2,59 g/cm³
Method: calculated

Solubility(ies):

Water solubility (g/L) at 20 °C: partially soluble

Partition coefficient: n-octanol/water: see section 12

Auto-ignition temperature: not determined

Decomposition temperature: not determined

Viscosity at °C: solid

Explosive properties: not applicable

Oxidising properties: not applicable

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9.2. **Other information**

Solid content (%): 100,00 weight-%
solvent content:
Organic solvents: 0 weight-%

SECTION 10: Stability and reactivity

10.1. **Reactivity**

No information available.

10.2. **Chemical stability**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. **Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. **Conditions to avoid**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Protect from moisture.

10.5. **Incompatible materials**

No information available.

10.6. **Hazardous decomposition products**

No information available.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

No data on preparation itself available.

11.1. **Information on toxicological effects**

Acute toxicity

Harmful if swallowed.

Disodium peroxodisulphate

oral, LD50, Rat: 920 mg/kg

dermal, LD50, Rat: > 10000 mg/kg

inhalative (dust and mist), LC50, Rat: > 20 mg/L (4 h)

Skin corrosion/irritation; Serious eye damage/eye irritation

Causes skin irritation.

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

STOT-single exposure; STOT-repeated exposure

May cause respiratory irritation.

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience/human evidence

No information available.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

There is no information available on the preparation itself .

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Do not allow to enter into surface water or drains.

12.1. Toxicity

Disodium peroxodisulphate

Fish toxicity, LC50: 163 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 133 mg/L (48 h)

Algae toxicity, IC10, Scenedesmus quadricauda: 33 mg/L (96 h)

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Dispose of waste according to applicable legislation.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

List of proposed waste codes/waste designations in accordance with EWC

070208* other still bottoms and reaction residues

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package Recommendation

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1. UN number

UN 1505

14.2. UN proper shipping name

Land transport (ADR/RID):

Sodium persulphate

Sea transport (IMDG):

SODIUM PERSULPHATE

Air transport (ICAO-TI / IATA-DGR):

Sodium persulphate

14.3. Transport hazard class(es)

5.1

14.4. Packing group

III

14.5. Environmental hazards

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in

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case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code E

Sea transport (IMDG)

EmS-No. F-A, S-Q

Air transport (ICAO-TI / IATA-DGR)

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L): 0,000

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Full text of classification in section 3:

| | | |
|----------------------|-----------------------------------|--|
| Acute Tox. 4 / H302 | Acute toxicity (oral) | Harmful if swallowed. |
| Skin Irrit. 2 / H315 | Skin corrosion/irritation | Causes skin irritation. |
| Eye Irrit. 2 / H319 | Serious eye damage/eye irritation | Causes serious eye irritation. |
| Resp. Sens. 1 / H334 | Respiratory or skin sensitisation | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Skin Sens. 1 / H317 | Respiratory or skin sensitisation | May cause an allergic skin reaction. |
| STOT SE 3 / H335 | STOT-single exposure | May cause respiratory irritation. |
| Ox. Sol. 3 / H272 | Oxidising solids | May intensify fire; oxidiser. |

Abbreviations and acronyms

| | |
|-----------|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| OEL | Occupational Exposure Limit Value |
| BLV | Biological Limit Value |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| CMR | Carcinogenic, Mutagenic and Reprotoxic |
| DIN | German Institute for Standardization / German industrial standard |
| DNEL | Derived No-Effect Level |
| EAKV | European Waste Catalogue Directive |
| EC | Effective Concentration |
| EC | European Community |
| EN | European Standard |
| IATA-DGR | International Air Transport Association – Dangerous Goods Regulations |
| IBC Code | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO-TI | International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air |
| IMDG Code | International Maritime Code for Dangerous Goods |
| ISO | International Organization for Standardization |
| LC | Lethal Concentration |
| LD | Lethal Dose |
| MARPOL | Maritime Pollution: The International Convention for the Prevention of Pollution from Ships |

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

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| | |
|-------|--|
| OECD | Organisation for Economic Cooperation and Development |
| PBT | persistent, bioaccumulative, toxic |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| UN | United Nations |
| VOC | Volatile Organic Compounds |
| vPvB | very persistent and very bioaccumulative |

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.