

Print date: 05.10.2020  
Version: 7

WEBAC 240 Comp. B  
Revision date: 05.10.2020  
Issue date: 05.10.2020

EN  
Page 1 / 8

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

### 1.1. Product identifier

Trade name/designation WEBAC 240 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

Print date: 05.10.2020  
Version: 7

WEBAC 240 Comp. B  
Revision date: 05.10.2020  
Issue date: 05.10.2020

EN  
Page 2 / 8

**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/dm<sup>2</sup>

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

DNEL long-term dermal (local), Workers: 10,2 mg/dm<sup>2</sup>

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

DNEL acute inhalative (systemic), Workers: 590 mg/m<sup>3</sup>

DNEL long-term inhalative (local), Workers: 2,06 mg/m<sup>3</sup>

DNEL long-term inhalative (systemic), Workers: 2,06 mg/m<sup>3</sup>

#### 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/cm<sup>3</sup>  
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

Print date: 05.10.2020  
Version: 7

WEBAC 240 Comp. B  
Revision date: 05.10.2020  
Issue date: 05.10.2020

EN  
Page 5 / 8

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 .

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

**WEBAC®**

Print date: 05.10.2020  
Version: 7

WEBAC 240 Comp. B  
Revision date: 05.10.2020  
Issue date: 05.10.2020

EN  
Page 6 / 8

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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**WEBAC®**

Print date: 05.10.2020  
Version: 7

WEBAC 240 Comp. B  
Revision date: 05.10.2020  
Issue date: 05.10.2020

EN  
Page 7 / 8

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).

**MAL-code (1993):**

00-5

**Other regulations, restrictions and prohibition regulations**

**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

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**WEBAC®**

Print date: 05.10.2020  
Version: 7

WEBAC 240 Comp. B  
Revision date: 05.10.2020  
Issue date: 05.10.2020

EN  
Page 8 / 8

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ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
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.