

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

### 1.1 Product identifier

#### Trade name/designation

WEBAC 270 Komp. B

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

Restricted to professional users.

#### Relevant identified uses

crosslinking agent for acrylate gels

### 1.3 Details of the supplier of the safety data sheet

#### supplier

WEBAC-Chemie GmbH

Fahrenberg 22

22885 Barsbüttel

Germany

Telephone: +49 40 670570

Telefax: +49 40 6703227

#### Department responsible for information

E-mail (competent person)

msds@webac.de

### 1.4 Emergency telephone number

#### Giftinformationszentrum-Nord

Emergency telephone number: +49 551 192 40

available 24h/365days; Information will be provided in German and English

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

This substance is classified as dangerous according to regulation (EC) No 1272/2008 [CLP].

Ox. Sol. 3; Oxidising solids; H272 May intensify fire; oxidiser.

Acute Tox. 4 oral; Acute toxicity; H302 Harmful if swallowed.

Eye Irrit. 2; Serious eye damage/eye irritation; H319 Causes serious eye irritation.

Resp. Sens. 1; Sensitisation to the respiratory tract; H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT SE 3 Irritation to respiratory tract; STOT-single exposure; H335 May cause respiratory irritation.

Skin Irrit. 2; Skin corrosion/irritation; H315 Causes skin irritation.

Skin Sens. 1; Skin sensitisation; H317 May cause an allergic skin reaction.

### 2.2 Label elements

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

#### Hazard pictograms



GHS03

GHS07

GHS08

#### Signal word

Danger

#### Hazard statements

H272

May intensify fire; oxidiser.

H302

Harmful if swallowed.

H319

Causes serious eye irritation.

H334

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

H335

May cause respiratory irritation.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

#### 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 vapours.
P280	Wear protective gloves and eye protection/face protection.
P284	In case of inadequate ventilation wear respiratory 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.
P370 + P378	In case of fire: Use extinguishing powder or sand to extinguish.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

**Hazard components for labelling**

Disodium peroxodisulphate

**Supplemental hazard information**

not applicable

**2.3 Other hazards**

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

**SECTION 3: Composition/information on ingredients.**

**3.2 Mixtures**

**Description**

crosslinking agent for acrylate gels

**Hazardous ingredients**

CAS No. EC No. Index No.	Substance name REACH No. Classification according to Regulation (EC) No 1272/2008 [CLP]	weight-%
* 7775-27-1 231-892-1 -	<b>Disodium peroxodisulphate</b> 01-2119495975-15-xxxx Ox. Sol. 3 H272 / Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Eye Irrit. 2 H319 / Resp. Sens. 1 H334 / STOT SE 3 H335 ATE (oral): 895 mg/kg ATE (dermal): > 10,000 mg/kg ATE (inhalative): > 5.1 mg/L (4 h)	50,0 <= 100,0

**Remark**

Full text of H- and EUH-statements: 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.

**Following 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**

Remove contaminated, saturated clothing immediately. 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.

**Following ingestion**

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

**Self-protection of the first aider**

First aider: Pay attention to self-protection!

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

**Symptoms**

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

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Powder, spray mist, (water)

**Unsuitable extinguishing media**

Strong water jet

**5.2 Special hazards arising from the substance or mixture**

Dense black smoke occurs during fire. 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**

Avoid dust formation. 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**

**For containment**

Take up mechanically, placing in appropriate containers for disposal.

**For cleaning up**

Clean using cleansing agents. Do not use solvents.

**6.4 Reference to other sections**

Safe handling: see section 7

Personal protection equipment: refer to section 8

Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

**Advices on safe handling**

\* Avoid contact with skin, eyes and clothes. Avoid dust formation.

Personal protection equipment: see section 8

Follow the legal protection and safety regulations.

**Advices on general occupational hygiene**

When using do not eat, drink or smoke.

**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). Access only for authorised persons.

Smoking is forbidden.

Always keep in containers that correspond to the material of the original container. Store carefully closed containers upright to prevent any leaks. Do not empty containers with pressure - no pressure vessel!

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Do not store together with: Food and feedingstuffs

**Storage class** LGK5.1B - Oxidising substances

**Further information on storage conditions**

\* Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C.

**7.3 Specific end use(s)**

Observe technical data sheet.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Occupational exposure limit values**

CAS No.	Substance name	Source	Long-term /short-term (Spitzenbegrenzung)
* 7775-27-1	Disodium peroxodisulphate	-	0.1 / - (-) mg/m <sup>3</sup>

**Additional information**

Long-term: Long-term occupational exposure limit value

short-term: short-term occupational exposure limit value

**Biological limit values**

No data available

**DNEL worker**

CAS No.	Substance name	DNEL type	DNEL value
* 7775-27-1	Disodium peroxodisulphate	DNEL long-term dermal (local)	10.2 mg/dm <sup>2</sup>
* 7775-27-1	Disodium peroxodisulphate	DNEL acute dermal, short-term (local)	224.8 mg/dm <sup>2</sup>
* 7775-27-1	Disodium peroxodisulphate	DNEL long-term dermal (systemic)	18.2 mg/kg bw/day
7775-27-1	Disodium peroxodisulphate	DNEL acute dermal, short-term (systemic)	400 mg/kg bw/day
* 7775-27-1	Disodium peroxodisulphate	DNEL long-term inhalative (local)	2.06 mg/m <sup>3</sup>
* 7775-27-1	Disodium peroxodisulphate	DNEL long-term inhalative (systemic)	2.06 mg/m <sup>3</sup>
7775-27-1	Disodium peroxodisulphate	DNEL acute inhalative (systemic)	590 mg/m <sup>3</sup>

**PNEC**

CAS No.	Substance name	PNEC type	PNEC Value
* 7775-27-1	Disodium peroxodisulphate	PNEC aquatic, intermittent release	0.763 mg/L
* 7775-27-1	Disodium peroxodisulphate	PNEC aquatic, marine water	0.011 mg/L
* 7775-27-1	Disodium peroxodisulphate	PNEC aquatic, freshwater	0.076 mg/L
* 7775-27-1	Disodium peroxodisulphate	PNEC sewage treatment plant (STP)	3.6 mg/L
* 7775-27-1	Disodium peroxodisulphate	PNEC sediment, marine water	0.04 mg/kg
* 7775-27-1	Disodium peroxodisulphate	PNEC sediment, freshwater	0.275 mg/kg
* 7775-27-1	Disodium peroxodisulphate	PNEC soil, freshwater	0.015 mg/kg

**8.2 Exposure controls**

Provide good ventilation. This can be achieved with local or room suction.

**Personal protection equipment**

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Hand protection**

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material >= 0.4 mm

Breakthrough time >= 480 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. 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

**Skin protection**

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye/face protection**

Eye glasses with side protection: EN 166

Wear closely fitting protective glasses in case of splashes.

**Body protection**

Wear suitable protective clothing. Change contaminated, saturated clothing.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Physical state	solid
Colour	white
Odour	characteristic
pH (1%)	3 - 6
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	not determined
flammability	not applicable
Lower explosion limit at 20°C	not determined
Upper explosion limit at 20°C	not determined
Vapour pressure at 20°C	not determined
Relative vapour density	not applicable
Density at 20 °C	2.6 kg/l
Water solubility at 20°C	partially soluble
Partition coefficient: n-octanol/water	see section 12
Ignition temperature in °C	not determined
Decomposition temperature	not determined
Viscosity at 40 °C:	fest
particle characteristics	not applicable

**9.2 Other information**

not applicable

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions.

Please note the expiry date.

**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**

Protect from moisture. Avoid high temperatures or direct sunlight.

**10.5 Incompatible materials**

No further relevant information available.

**10.6 Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures e.g.: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, smoke.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Harmful if swallowed.

- \* ATEmix: (oral) 895 mg/kg

#### Disodium peroxodisulphate

LD50: oral (Rat): 895 mg/kg

- \* LD50: dermal (Rabbit): > 10,000 mg/kg
- \* LC50: inhalative (Rat): > 5.1 mg/L (4 h)

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye 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.

#### Overall assessment on CMR properties

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

#### STOT-single exposure

May cause respiratory irritation.

- \* **STOT-repeated exposure**

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

#### Aspiration hazard

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

### 11.2 Information on other hazards

#### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meet the criteria.

## SECTION 12: Ecological information

### 12.1 Toxicity

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

#### Algae toxicity

##### Disodium peroxodisulphate

IC10: (*Scenedesmus quadricauda*): = 33 mg/L (96 h)

#### Daphnia toxicity

EC50 (*Daphnia magna* (Big water flea)): = 133 mg/L (48 h)

#### Fish toxicity

LC50: = 163 mg/L (96 h)

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information 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 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7 Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

##### Waste codes/waste designations according to EWC/AVV

160303\* - inorganic wastes containing hazardous substances  
Hazardous waste according to Directive 2008/98/EC (waste framework directive).

##### Other disposal recommendations

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

### SECTION 14: Transport information

#### 14.1 UN number or ID number

UN 1505

#### 14.2 UN proper shipping name

##### Land transport (ADR/RID)

NATRIUMPERSULFAT

##### Sea transport (IMDG)

Sodium persulphate

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

Sodium persulphate

#### 14.3 Transport hazard class(es)

Land transport (ADR/RID) 5.1

Sea transport (IMDG) 5.1

Air transport (ICAO-TI / IATA-DGR) 5.1

#### 14.4 Packing group

Land transport (ADR/RID) III

Sea transport (IMDG) III

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

#### 14.5 Environmental hazards

Land transport (ADR/RID) not applicable

Sea transport (IMDG) 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 case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

#### 14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

#### 14.8 Additional information

##### Land transport (ADR/RID)

Tunnel restriction code: E  
Limited quantity (LQ): 5 kg  
Hazard identification number (Kemler No.): 50

##### Sea transport (IMDG)

EmS-No.: F-A, S-Q  
Limited quantity (LQ): 5 kg

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

not applicable

## SECTION 15: Regulatory information

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

#### EU legislation

##### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable. Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

##### Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC value: 0 g/l

##### Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

##### Hazard categories / Named dangerous substances

P8 OXIDISING LIQUIDS AND SOLIDS

Quantity 1: 50t; Quantity 2: 200t

##### National regulations

Observe in addition any national regulations!

### 15.2 Chemical Safety Assessment

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

## SECTION 16: Other information

### List of relevant hazard statements and/or precautionary statements from sections 2 to 15

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

### Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Ox. Sol. 3	On basis of test data.
Acute Tox. 4 oral	On basis of test data.
Eye Irrit. 2	On basis of test data.
Resp. Sens. 1	On basis of test data.
STOT SE 3 Irritation to respiratory tract	On basis of test data.
Skin Irrit. 2	On basis of test data.
Skin Sens. 1	On basis of test data.

### Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

OEL: Occupational Exposure Limit Value

BLV: Biological limit values

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

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**  
**according to Regulation (EU) 2020/878**

**WEBAC®**

WEBAC 270 Komp. B  
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LD: Lethal Dose

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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

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative

**Indication of changes**

\* Data changed compared with the previous version.