

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 24.06.2022

Version number 11


Revision: 24.06.2022

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

- **Product identifier**
- **Trade name** **MC-Injekt GL-95 - Komponente B**
- **CAS Number:** 7775-27-1
- **EC number:** 231-892-1
- **Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Construction chemicals  
Injektion  
Hardening agent/ Curing agent
- **Details of the supplier of the safety data sheet**
- **Informing department:** msds@mc-bauchemie.de
- **Emergency telephone number:** Tel.: +49 / (0)700 24112112 (MCR)  
Tel.: +48612864565

### 2 Hazards identification

- **Classification of the substance or mixture**
  - Ox. Sol. 2 H272 May intensify fire; oxidiser.
  - Acute Tox. 4 H302 Harmful if swallowed.
  - Acute Tox. 5 H333 May be harmful if inhaled.
  - Skin Irrit. 2 H315 Causes skin irritation.
  - Eye Irritation 2A H319 Causes serious eye irritation.
  - Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - Skin Sens. 1 H317 May cause an allergic skin reaction.
  - STOT SE 3 H335 May cause respiratory irritation.
- **Label elements**
- **GHS label elements** The substance is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS03   GHS07   GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**
- **Hazard statements** 

disodium peroxodisulphate

May intensify fire; oxidiser.

Harmful if swallowed.

May be harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

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

May cause an allergic skin reaction.

May cause respiratory irritation.
- **Precautionary statements** 

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Keep/Store away from clothing/combustible materials.

Take any precaution to avoid mixing with combustibles.

In case of inadequate ventilation wear respiratory protection.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

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- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterisation: Substances**
- **CAS No. Designation:** 7775-27-1 disodium peroxodisulphate
- **Identification number(s):**
- **EC number:** 231-892-1

### 4 First aid measures

- **Description of first aid measures**
- **General information**
  - Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
  - Instantly remove any clothing soiled by the product.
  - Do not leave affected persons unsupervised.
  - Take affected persons out of danger area and instruct to lie down.
  - Personal protection for the First Aider.
- **After inhalation**
  - Supply fresh air and call for doctor for safety reasons.
  - In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact**
  - Do not use mouth to mouth or mouth to nose resuscitation.
- **After eye contact**
  - Instantly wash with water and soap and rinse thoroughly.
  - Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing**
  - Do not induce vomiting; instantly call for medical help.
  - Rinse out mouth and then drink plenty of water.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed**
  - Allergic reactions
- **Indication of any immediate medical attention and special treatment needed**
  - Medical supervision for at least 48 hours

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
  - Water haze
  - Water spray jet
- **For safety reasons unsuitable extinguishing agents**
  - Water with a full water jet.
- **Special hazards arising from the substance or mixture**
  - Can be released in case of fire
  - Sulphur dioxide (SO<sub>2</sub>)
- **Advice for firefighters**
- **Protective equipment:**
  - Wear self-contained breathing apparatus.
- **Additional information**
  - Cool endangered containers with water spray jet.
  - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  - Ensure adequate ventilation
  - Avoid causing dust.
  - Use breathing protection against the effects of fumes/dust/aerosol.
  - Keep away from ignition sources
  - Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
  - Damp down dust with water spray jet.
  - Do not allow to enter drainage system, surface or ground water.
- **Methods and material for containment and cleaning up:**
  - Collect mechanically.
  - Dispose of the material collected according to regulations.
  - Ensure adequate ventilation.
- **Reference to other sections**
  - See Section 7 for information on safe handling
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for information on disposal.

### 7 Handling and storage

- **Handling**
- **Precautions for safe handling**
  - Any deposit of dust which cannot be avoided must be removed regularly.
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of dust.
- **Information about protection against explosions and fires:**
  - Substance/product is oxidising when dry.
  - Substance/product can reduce the ignition temperature of flammable substances.
  - Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
  - Store only in the original container.
- **Information about storage in one common storage facility:**
  - Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
  - Store away from flammable substances.
- **Further information about storage conditions:**
  - Store in cool, dry conditions in well sealed containers.
  - Protect from humidity and keep away from water.
  - This product is hygroscopic.
- **Specific end use(s)**
  - No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:**
  - No further data; see item 7.
- **Control parameters**
  - Allgemeiner Staubgrenzwert:
  - Einatembare Fraktion (E-Staub): 10 mg/m<sup>3</sup> (Schichtmittelwert)
  - Alveolengängige Fraktion (A-Staub): 3 mg/m<sup>3</sup> (Schichtmittelwert)

#### · Components with critical values that require monitoring at the workplace:

##### 7775-27-1 disodium peroxodisulphate

TLV (USA)	Long-term value: 0.1 mg/m <sup>3</sup> as persulfate
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- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** *Do not inhale dust / smoke / mist.  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.*
- **Breathing equipment:** *Respiratory protection is required at inadequately ventilated workplaces and during spray processing. Fresh air masks or combination filters A2-P2 are recommended for short-term work.*
- **Protection of hands:** *Protective gloves.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  
After use of gloves apply skin-cleaning agents and skin cosmetics.*
- **Material of gloves** *Butyl rubber, BR  
Recommended thickness of the material:  $\geq 0.5$  mm  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*
- **Penetration time of glove material** *The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:** *Safety glasses  
Tightly sealed safety glasses.*
- **Body protection:** *Impervious protective clothing*

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form:** *Powder*
  - Colour:** *Colourless*
  - **Smell:** *Odourless*
  - **Odour threshold:** *Not determined.*
- **pH-value (250 g/l) at 25 °C:** *4.3*
- **Change in condition**
  - Melting point/freezing point:** *ontleding 200 °C  
Not applicable*
  - Initial boiling point and boiling range:** *Not applicable*
- **Flash point:** *Not applicable*
- **Inflammability (solid, gaseous)** *Contact with combustible material may cause fire.*
- **Decomposition temperature:** *~180 °C °C (SADT (UN-Test H.4))*
- **Self-inflammability:** *Not determined.*
- **Explosive properties:** *Explosive when mixed with combustible material.*
- **Critical values for explosion:**
  - Lower:** *Not determined.*
  - Upper:** *Not determined.*

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· <b>Steam pressure:</b>	Not applicable.
· <b>Density at 20 °C</b>	1.20 ~ 2.59 g/cm <sup>3</sup>
· <b>Settled apparent density at 20 °C</b>	1150 ~ 1350 kg/m <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with Water at 20 °C:</b>	545 ~ 556 g/l
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
· <b>dynamic:</b>	Not applicable.
· <b>kinematic:</b>	Not applicable.
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

· <b>Reactivity</b>	No further relevant information available.
· <b>Chemical stability</b>	
· <b>Thermal decomposition / conditions to be avoided:</b>	To avoid thermal decomposition do not overheat. Zündquellen fernhalten Maßnahmen gegen elektrostatische Aufladungen treffen. Vor Feuchtigkeit schützen. In feuchtem Zustand schon bei Raumtemperatur langsame Zersetzung.
· <b>Possibility of hazardous reactions</b>	Reacts with fats and oils Reacts with alkali (lyes) Danger of bursting Acts as an oxidizing agent on organic materials such as wood, paper and fats Korrosionswirkung auf Gebrauchsmetalle. Feuergefahr bei Berührung mit brennbaren Stoffen. Reacts with acids Reacts with fabric soaked in the product (e.g. cleaning wool) Reacts with reducing agents
· <b>Conditions to avoid</b>	No further relevant information available.
· <b>Incompatible materials:</b>	No further relevant information available.
· <b>Hazardous decomposition products:</b>	Sulphur oxides (SO <sub>x</sub> ) Oxygen Danger of toxic pyrolysis products

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:**

<b>7775-27-1 disodium peroxodisulphate</b>		
Oral	LD50	920 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)

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Inhalative LC50/4 h &gt;5.1 mg/l (rat)

- **Primary irritant effect:**
- **Serious eye damage/irritation** No irritant effect.
- **Respiratory or skin sensitisation** Sensitization possible by inhalation.  
Sensitization possible by skin contact.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

### 7775-27-1 disodium peroxodisulphate

EC50/72h	116 mg/l (Bak)
LC50/96h	771 mg/l (Oncorhynchus mykiss)
EC50/48h	133 mg/l (Daphnia magna)

- **Persistence and degradability** Anorganic product, is not eliminable from water by means of biological cleaning processes.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key number:** Die Abfallschlüsselnummer nach der Abfallverzeichnis-Verordnung (AVV) ist abhängig vom Abfallerzeuger und kann dadurch für ein Produkt unterschiedlich sein. Die Abfallschlüsselnummer ist daher von jedem Abfallerzeuger gesondert zu ermitteln.
- **Uncleaned packagings:**
- **Recommendation:** Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

## 14 Transport information

- |                                  |                    |
|----------------------------------|--------------------|
| · <b>UN-Number</b>               |                    |
| · <b>ADR, IMDG, IATA</b>         | UN1505             |
| · <b>UN proper shipping name</b> |                    |
| · <b>ADR, IMDG, IATA</b>         | SODIUM PERSULPHATE |

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· <b>Transport hazard class(es)</b>	
· <b>ADR</b>	
· <b>Class</b>	5.1 (O2) Oxidising substances.
· <b>Label</b>	5.1
· <b>IMDG, IATA</b>	
· <b>Class</b>	5.1 Oxidising substances.
· <b>Label</b>	5.1
· <b>Packing group</b>	
· <b>ADR, IMDG, IATA</b>	III
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Warning: Oxidising substances.
· <b>Kemler Number:</b>	50
· <b>EMS Number:</b>	F-A, S-Q
· <b>Stowage Category</b>	A
· <b>Segregation Code</b>	SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5 kg
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5 kg
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· <b>UN "Model Regulation":</b>	UN 1505 SODIUM PERSULPHATE, 5.1, III

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **Seveso category** P8 OXIDISING LIQUIDS AND SOLIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

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- **National regulations**
- **Other regulations, limitations and prohibitive regulations** *Die Vorschriften der Chemikalien-Verbotsverordnung sowie Anhang XVII der Verordnung (EG) Nr. 1907/2006 sind zu beachten.*
- **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

### 16 Other information

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing data specification sheet:** *Environment protection department.*
- **Contact:**
- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
  - ICAO: International Civil Aviation Organisation*
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*
  - IMDG: International Maritime Code for Dangerous Goods*
  - IATA: International Air Transport Association*
  - EINECS: European Inventory of Existing Commercial Chemical Substances*
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)*
  - LC50: Lethal concentration, 50 percent*
  - LD50: Lethal dose, 50 percent*
  - PBT: Persistent, Bioaccumulative and Toxic*
  - vPvB: very Persistent and very Bioaccumulative*
  - Ox. Sol. 2: Oxidizing solids – Category 2*
  - Acute Tox. 4: Acute toxicity – Category 4*
  - Acute Tox. 5: Acute toxicity – Category 5*
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2*
  - Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A*
  - Resp. Sens. 1: Respiratory sensitisation – Category 1*
  - Skin Sens. 1: Skin sensitisation – Category 1*
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

- **\* Data compared to the previous version altered.**

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