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Page 1/10

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2019

Revision: 19.01.2019

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

1.1 Product identifier

- Trade name **MC-Injekt 3000 HPS - Komponente B 2**
- CAS Number: 7775-27-1
- EC number: 231-892-1

1.2 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

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: MC-Bauchemie Müller GmbH & Co. KG
Am Kruppwald 1-8
D-46238 Bottrop
Tel.: +49(0)2041-101-0
Fax.: +49(0)2041-101-400
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG
Hagackerstr. 10
CH-8953 Dietikon
Tel.: +44-7400510
Fax : +44-7400533

- Informing department: Technische Abteilung
msds@mc-bauchemie.de

1.4 Emergency telephone number:

Tel.: +49 / (0)700 24112112 (MCR)
Tel.: +48612864565

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

- Ox. Sol. 2 H272 May intensify fire; oxidiser.
- Acute Tox. 4 H302 Harmful if swallowed.
- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2 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.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008 The substance is classified and labelled according to the CLP regulation.

(Contd. on page 2)

GB



BE SURE. BUILD SURE.

Page 2/10

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2019

Revision: 19.01.2019

Trade name MC-Injekt 3000 HPS - Komponente B 2

(Contd. of page 1)

· **Hazard pictograms**



GHS03 GHS07 GHS08

· **Signal word**

Danger

· **Hazard-determining components of labelling:**
· **Hazard statements**

disodium peroxodisulphate
H272 May intensify fire; oxidiser.
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.

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220 Keep/Store away from clothing/combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P285 In case of inadequate ventilation wear respiratory protection.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.1 Chemical characterisation: Substances**

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

SECTION 4: First aid measures

· **4.1 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.

(Contd. on page 3)



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2019

Revision: 19.01.2019

Trade name MC-Injekt 3000 HPS - Komponente B 2

(Contd. of page 2)

- **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.
Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** 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.
- **4.2 Most important symptoms and effects, both acute and delayed** Allergic reactions
- **4.3 Indication of any immediate medical attention and special treatment needed** Medical supervision for at least 48 hours

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Water haze
Water spray jet
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture** Can be released in case of fire
Sulphur dioxide (SO₂)
- **5.3 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.

SECTION 6: Accidental release measures

- **6.1 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.
- **6.2 Environmental precautions:** Damp down dust with water spray jet.
Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Collect mechanically.

(Contd. on page 4)



BE SURE. BUILD SURE.

Page 4/10

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2019

Revision: 19.01.2019

Trade name MC-Injekt 3000 HPS - Komponente B 2

(Contd. of page 3)

· **6.4 Reference to other sections**

Dispose of the material collected according to regulations.
Ensure adequate ventilation.

See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

· **7.1 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.

· **7.2 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.

· **7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical systems:**

No further data; see item 7.

· **8.1 Control parameters**

Allgemeiner Staubgrenzwert:
Einatembare Fraktion (E-Staub): 10 mg/m³ (Schichtmittelwert)
Alveolengängige Fraktion (A-Staub): 3 mg/m³ (Schichtmittelwert)

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

Not required.

· **Additional information:**

The lists that were valid during the compilation were used as basis.

(Contd. on page 5)



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2019

Revision: 19.01.2019

Trade name MC-Injekt 3000 HPS - Komponente B 2

(Contd. of page 4)

- **8.2 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.*

- **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: ≥ 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**

*Penetration: ≥ 480 min
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
Protective work clothing.*

SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form:	<i>Powder</i>
Colour:	<i>White</i>
· Smell:	<i>Odourless</i>
· Odour threshold:	<i>Not determined.</i>

- **pH-value (250 g/l) at 25 °C:** *4.3*

- **Change in condition**

Melting point/freezing point:	<i>ontleding 200 °C Not applicable</i>
Initial boiling point and boiling range:	<i>Not applicable</i>

- **Flash point:** *Not applicable*

- **Inflammability (solid, gaseous)** *Contact with combustible material may cause fire.*

(Contd. on page 6)



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2019

Revision: 19.01.2019

Trade name MC-Injekt 3000 HPS - Komponente B 2

(Contd. of page 5)

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

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**

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.
- **10.3 Possibility of hazardous reactions**

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
- **10.4 Conditions to avoid** No further relevant information available.

(Contd. on page 7)



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2019

Revision: 19.01.2019

Trade name MC-Injekt 3000 HPS - Komponente B 2

(Contd. of page 6)

- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Sulphur oxides (SOx)
Oxygen
Danger of toxic pyrolysis products

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Harmful if swallowed.

· **LD/LC50 values that are relevant for classification:**

7775-27-1 disodium peroxodisulphate

Oral	LD50	920 mg/kg (Ratte)
Dermal	LD50	>10,000 mg/kg (Kaninchen)
Inhalative	LC50/4 h	>5.1 mg/l (Ratte)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/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 (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** 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.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

7775-27-1 disodium peroxodisulphate

LC50/96h	771 mg/l (Oncorhynchus mykiss)
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- **12.2 Persistence and degradability** Anorganic product, is not eliminable from water by means of biological cleaning processes.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 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.

(Contd. on page 8)



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2019

Revision: 19.01.2019

Trade name MC-Injekt 3000 HPS - Komponente B 2

(Contd. of page 7)

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 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.

SECTION 14: Transport information

- | | |
|--|--------------------------------|
| · 14.1 UN-Number | UN1505 |
| · ADR, IMDG, IATA | |
| · 14.2 UN proper shipping name | 1505 SODIUM PERSULPHATE |
| · ADR | SODIUM PERSULPHATE |
| · IMDG, IATA | |
| · 14.3 Transport hazard class(es) | |
| · ADR | |
| · Class | 5.1 (O2) Oxidising substances. |
| · Label | 5.1 |
| · IMDG, IATA | |
| · Class | 5.1 Oxidising substances. |
| · Label | 5.1 |
| · 14.4 Packing group | III |
| · ADR, IMDG, IATA | |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Warning: Oxidising substances. |
| · Kemler Number: | 50 |
| · EMS Number: | F-A,S-Q |

(Contd. on page 9)



BE SURE. BUILD SURE.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2019

Revision: 19.01.2019

Trade name MC-Injekt 3000 HPS - Komponente B 2

(Contd. of page 8)

· Stowage Category	A
· Segregation Code	SG39 Stow "separated from" ammonium compounds other than AMMONIUM PERSULPHATE (UN 1444). SG49 Stow "separated from" cyanides
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5 kg
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· Transport category	3
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	5 kg
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· UN "Model Regulation":	UN 1505 SODIUM PERSULPHATE, 5.1, III

SECTION 15: Regulatory information

· 15.1 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
· 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.

(Contd. on page 10)



BE SURE. BUILD SURE.

Page 10/10

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2019

Revision: 19.01.2019

Trade name MC-Injekt 3000 HPS - Komponente B 2

(Contd. of page 9)

**· 15.2 Chemical safety
assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 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.

· 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 européen sur le transport 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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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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