

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

Printing date 03.07.2018

Version 7

Revision: 23.05.2017

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

- **1.1 Product identifier**
- **Trade name: Neutralisator**



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- **Article number:** 00111
- **CAS Number:**  
7681-57-4
- **EC number:**  
231-673-0
- **Index number:**  
016-063-00-2
- **Registration number** 01-2119531326-45-xxxx
- **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** Tank cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
ADEFO-CHEMIE GmbH  
Am Trieb 77  
D-63263 Neu Isenburg  
Tel. +49 6102 - 884690  
Fax + 49 6102 - 8846927  
E-Mail: [service@adefo-chemie.de](mailto:service@adefo-chemie.de)  
[www.adefo-chemie.de](http://www.adefo-chemie.de)
- **Informing department:**  
Tel.: +49 6074 84239-0  
Fax: +49 6074 84239-63
- **1.4 Emergency telephone number:** Tel.: 0700-24112112 (CAL)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**  
Acute Tox. 4 H302 Harmful if swallowed.  
Eye Dam. 1 H318 Causes serious eye damage.

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  - **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
  - **Hazard pictograms**
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- GHS05 GHS07
- **Signal word** Danger
  - **Hazard-determining components of labelling:**  
disodium disulphite
  - **Hazard statements**  
H302 Harmful if swallowed.

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H318 Causes serious eye damage.

**Precautionary statements**

P280 Wear eye protection / face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH031 Contact with acids liberates toxic gas.

**2.3 Other hazards****Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients****3.1 Substances****CAS No. Designation:**

7681-57-4 disodium disulphite

**Identification number(s):**

EC number: 231-673-0

Index number: 016-063-00-2

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information** Instantly remove any clothing soiled by the product.**After inhalation** Supply fresh air; consult doctor in case of symptoms.**After skin contact** Instantly wash with water and soap and rinse thoroughly.**After eye contact**

Rinse opened eye for several minutes under running water (&gt; 15 min). Then consult doctor.

**After swallowing**

Rinse out mouth and then drink plenty of water.

Instantly call for doctor.

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

No known symptoms to date.

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

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents**CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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Use fire fighting measures that suit the environment.

- **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 oxides (SO<sub>x</sub>)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
Avoid causing dust.  
Ensure adequate ventilation.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Collect mechanically.  
Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections**  
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**  
Open and handle container with care.  
Prevent formation of dust.
- **Information about protection against explosions and fires:**  
No special measures required.  
The product is not flammable
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:**  
Do not store together with acids.  
Store away from oxidising agents.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.
- **Storage class** LGK 13
- **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 section 7.

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**· 8.1 Control parameters****· Components with limit values that require monitoring at the workplace:****7681-57-4 disodium disulphite**WEL | Long-term value: 5 mg/m<sup>3</sup>**· Additional information:** The lists that were valid during the compilation were used as basis.**· 8.2 Exposure controls****· Personal protective equipment****· General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Keep away from foodstuffs, beverages and food.

Do not eat, drink or smoke while working.

Take off immediately all contaminated clothing.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

**· Breathing equipment:**

Not necessary if room is well-ventilated.

Use a breathing protection if high concentrations are present.

Filter P1.

**· Protection of hands:**

Protective gloves.

The protective gloves to be used must comply with the specifications of the EC directive 89/686/EEC and the resultant standard EN 374.

This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us.

Only use chemical-protective gloves with CE-labelling of category III.

**· Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material:

PVC gloves

0,4 mm (Nitril); 0,7 mm (PVC)

**· Penetration time of glove material**Value for permeation: Level  $\leq$  6 (480 min)

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**· For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Synthetic gloves

Value for permeation: Level:

 $\geq$  3 (60 min)**· Eye protection:** Tightly sealed safety glasses.**· Body protection:** Protective work clothing.

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**SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· <b>Form:</b>	Powder
· <b>Colour:</b>	Whitish
· <b>Odour:</b>	Pungent

· **pH-value (50 g/l) at 20 °C:** 4.0-4.8· **Change in condition**

· <b>Melting point/freezing point:</b>	150 Zers. °C
· <b>Initial boiling point and boiling range:</b>	Not determined

· **Flash point:** Not applicable· **Inflammability (solid, gaseous)** Product is not inflammable.· **Explosive properties:** Product is not explosive.· **Density at 20 °C** 1.48 g/cm<sup>3</sup>· **Settled apparent density at 20 °C** 1000-1200 kg/m<sup>3</sup>· **Solubility in / Miscibility with**· **Water at 20 °C:** 470 g/l· **Partition coefficient: n-octanol/water:** -3.7 log POW· **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:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions**

Reacts with acids

Reacts with oxidizing agents

· **10.4 Conditions to avoid** No further relevant information available.· **10.5 Incompatible materials:** No further relevant information available.· **10.6 Hazardous decomposition products:** Sulphur oxides (SO<sub>x</sub>)**SECTION 11: Toxicological information**· **11.1 Information on toxicological effects**· **Acute toxicity**

Harmful if swallowed.

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**· LD/LC50 values that are relevant for classification:****7681-57-4 disodium disulphite**

Oral LD50 1540 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, 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** Based on available data, the classification criteria are not met.
- **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:** Not determined
- **12.2 Persistence and degradability**  
Anorganic product, is not eliminable from water by means of biological cleaning processes.
- **12.3 Bioaccumulative potential**  
Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:** Not determined
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Assessment by list): Weakly water-endangering.
- **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.  
Must be specially treated under adherence to official regulations.

**· European waste catalogue**

16 05 07\* discarded inorganic chemicals consisting of or containing dangerous substances

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- **Uncleaned packagings:**
- **Recommendation:**  
Non contaminated packagings can be used for recycling.  
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.  
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.  
EAK-No. 15 01 10
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

**SECTION 14: Transport information**

· <b>14.1 UN-Number</b> · <b>ADR/RID, ADN, IMDG, IATA</b>	Void
· <b>14.2 UN proper shipping name</b> · <b>ADR/RID</b> · <b>ADN, IMDG, IATA</b>	Void Void
· <b>14.3 Transport hazard class(es)</b> · <b>ADR/RID, ADN, IMDG, IATA</b> · <b>Class</b>	Void
· <b>14.4 Packing group</b> · <b>ADR/RID, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

**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.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Assessment by list): weakly water-endangering.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**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.

· **Recommended restriction of use** No public product, only for commercial use

· **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

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

· **Sources**

applicable EEC directives:

- 1907/2006

- 1272/2008

Internal physical tests, MSDS of the ingredients,

Information system on hazardous substances of the German Social Accident Insurance

(GESTIS-database on hazardous substances), <http://www.dguv.de/ifa/en/gestis/stoffdb/index.jsp>

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

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