

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 18.03.2009

Version 5

Revision: 18.03.2009

1 Identification of substance:

- **Product details:**
- **Trade name:** Neutralisator
- **Article number:** 00111
- **Application of the substance / the preparation**
Photochemicals
Tank cleaner
Reserved for industrial and professional use.
- **Manufacturer/Supplier:**
ADEF0-CHEMIE GmbH
Justus-von-Liebig-Str. 24-26
D-63128 Dietzenbach
Tel.: +49 6074 84239-0
Fax: +49 6074 84239-63
E-Mail: service@adefo-chemie.de
www.adefo-chemie.de
- **Informing department:**
Tel.: +49 6074 84239-0
Fax: +49 6074 84239-63
Competent person according to 1907/2006/EC, Annex II:
E-Mail: kr@calbe-chemie.de
- **Emergency information:** Tel.: 0700-24112112 (CAL)

2 Hazards identification

- **Hazard designation:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**
R 22 Harmful if swallowed.
R 31 Contact with acids liberates toxic gas.
R 41 Risk of serious damage to eyes.
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Designation:**
7681-57-4 disodium disulphite
- **Identification number(s):**
- **EINECS Number:** 231-673-0
- **Index number:** 016-063-00-2

4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.

(Contd. on page 2)



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Trade name: Neutralisator

(Contd. of page 1)

- **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 (> 15 min). Then consult doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
Instantly call for doctor.

5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
Can be released in case of fire
Sulphur oxides (SO_x)
- **Protective equipment:** Wear self-contained breathing apparatus.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective clothing.
Avoid causing dust.
Ensure adequate ventilation
- **Measures for environmental protection:**
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Collect mechanically.
Dispose of the material collected according to regulations.
- **Additional information:** See Section 13 for information on disposal.

7 Handling and storage

- **Handling**
- **Information 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
- **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 oxidizing agents.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.

(Contd. on page 3)



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(Contd. of page 2)

· **Storage class** LGK 13 (VCI-Concept)

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.· **Components with limit values that require monitoring at the workplace:****7681-57-4 disodium disulphite**OES | Long-term value: 5 mg/m³· **Additional information:** The lists that were valid during the compilation were used as basis.· **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

PVC gloves

Recommended thickness of the material:

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

· **Penetration time of glove material**Value for permeation: Level ≥ 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:

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

GB

(Contd. on page 4)



Safety Data Sheet

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(Contd. of page 3)

9 Physical and chemical properties:

· General Information

Form:	Powder
Colour:	Whitish
Odour:	Pungent

· Change in condition

Melting point/Melting range:	150 Zers. °C
Boiling point/Boiling range:	Not determined

· **Flash point:** Not applicable

· **Inflammability (solid, gaseous)** Product is not inflammable.

· **Danger of explosion:** Product is not explosive.

· **Density at 20°C** 1.48 g/cm³

· **Settled apparent density at 20°C** 1000-1200 kg/m³

· **Solubility in / Miscibility with Water at 20°C:** 470 g/l

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

· **Segregation coefficient (n-octanol/water):** -3.7 log POW

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· Dangerous reactions

Reacts with acids

Reacts with oxidizing agents

· **Dangerous products of decomposition:** Sulphur oxides (SO_x)

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

7681-57-4 disodium disulphite

Oral	LD50	1540 mg/kg (rat)
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· Primary irritant effect:

· **on the skin:** No irritant effect.

· **on the eye:** Strong irritant with the danger of severe eye injury.

· **Sensitization:** No sensitizing effect known.

· Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

(Contd. on page 5)

GB



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Version 5

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Trade name: Neutralisator

(Contd. of page 4)

This statement was deduced from the properties of the single components.

12 Ecological information:

- **Information about elimination (persistence and degradability):**
Anorganic product, is not removable from water by biological cleaning process
- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:**
Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
- **Ecotoxic effects:** Not determined
- **Acquatic toxicity:** Not determined
- **General notes:**
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.

13 Disposal considerations

- **Product:**
- **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.
- **Uncleaned packagings:**
- **Recommendation:**
Non contaminated packagings can be used for recycling.
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVS/E Class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

(Contd. on page 6)

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(Contd. of page 5)

· **Code letter and hazard designation of product:**



Xn Harmful

· **Risk phrases:**

- 22 Harmful if swallowed.
- 31 Contact with acids liberates toxic gas.
- 41 Risk of serious damage to eyes.

· **Safety phrases:**

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 36/39 Wear suitable protective clothing and eye/face protection.
- 46 If swallowed, seek medical advice immediately and show this container or label.

· **National regulations**

- **Water hazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.

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

· **Sources**

- applicable EEC directives:
 - 1999/45/EC last change 2006/8/EC
 - 67/548/EC last change 2004/73/EC (29. ATP)
- Internal physical tests, MSDS of the ingredients

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