

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 02.02.2010

Revision: 28.01.2010

1 Identification of substance:

- **Product details:**
- **Trade name:** VALTRON® SP2260-EU
- **Application of the substance / the preparation:** Alkaline cleaner / detergent
- **Manufacturer / Supplier:**
N. Bucher AG
Pfadackerstraße 9
CH-8957 Spreitenbach
Switzerland
Tel.: ++41-56 418 19 90
Fax: ++41-56 418 19 99
- **E-mail address of the competent person responsible for the Safety Data Sheet:** info@nbucherag.com
- **Informing department:** Sales / Technics
- **Emergency information:** As above or next toxicological information centre

2 Hazards identification

- **Hazard designation:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment**
R 36 Irritating to eyes.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0	2-Butoxyethanol ☒ Xn, ☒ Xi; R 20/21/22-36/38	2.5-10%
CAS: 9036-19-5	ethoxylated octyl phenol ☒ Xn, ☒ Xi, ☒ N; R 22-41-51/53	2.5-10%
CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2	Tetrasodium ethylenediaminetetraacetate ☒ Xn, ☒ Xi; R 22-41	< 2.5%
CAS: 10101-89-0 EINECS: 231-509-8	Trisodium phosphate ☒ Xi; R 36/38	< 2.5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:** Remove contaminated clothing.

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- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:**
Rinse with plenty of water.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting!
Seek medical treatment.

5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** none
- **Special hazards caused by the material, its products of combustion or flue gases:**
Nitrogen oxides (NO_x)
Oxides of phosphorus (P_xO_y)
Sulphur oxides (SO_x)
Carbon monoxide (CO) and Carbon dioxide (CO₂)
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation.
Product forms slippery surface when combined with water.
Wear protective equipment. Keep unprotected persons away.
Do not breathe vapours.
Use breathing protection against the effects of fumes/dust/aerosol.
Avoid skin and eye contact.
- **Measures for environmental protection:** Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Use only in well ventilated areas.
Do not inhale vapours/aerosols.
Avoid skin and eye contact.
Make sure that all applicable workplace limits are observed.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Observe all local and national regulations for storage of water polluting products.
- **Information about storage in one common storage facility:**
Store away from oxidizing agents.
Do not store together with acids.

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· **Further information about storage conditions:**

- Keep container tightly sealed.
- Protect from frost.
- Minimum storage temperature: 1 °C
- Maximum storage temperature: 60 °C

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

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

111-76-2 2-Butoxyethanol

WEL (Great Britain)	Short-term value: 50 ppm Long-term value: 25 ppm Sk
IOELV (European Union)	Short-term value: 246 mg/m ³ , 50 ppm Long-term value: 98 mg/m ³ , 20 ppm Skin

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **Personal protective equipment**

· **General protective and hygienic measures**

- Keep away from foodstuffs, beverages and food.
- Do not eat, drink or smoke while working.
- Instantly remove any contaminated garments.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes and skin.
- Wash hands during breaks and at the end of the work.

· **Breathing equipment:**

If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.

· **Protection of hands:**

- Protective gloves
- To avoid skin problems reduce the wearing of gloves to the required minimum.
- Check the permeability prior to each renewed use of the glove.
- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**

Rubber gloves
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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Tightly sealed safety glasses

· **Body protection:** Protective clothing should be selected specifically for the working place.

9 Physical and chemical properties:

· **General Information**

Form:	liquid
Colour:	colourless clear

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Smell:	ether-like
· Change in condition	
Melting point/Melting range:	not determined
Boiling point/Boiling range:	100°C
· Flash point:	not applicable
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive.
· Density at 20°C	1.0655 g/cm ³
· Solubility in / Miscibility with Water:	fully miscible
· Viscosity:	
dynamic at 20°C:	< 10 mPas

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Materials to be avoided:**
Strong oxidizing agents
Strong acids
- **Dangerous products of decomposition:**
Nitrogen oxides (NO_x)
Phosphorus oxides (e.g. P₂O₅)
Sulphur oxides (SO_x)
Carbon monoxide (CO) and Carbon dioxide (CO₂)

11 Toxicological information

- **Acute toxicity:**

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

9036-19-5 ethoxylated octyl phenol

Oral LD50 1800 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** Slightly irritating

- **on the eye:** Irritant effect

- **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:
Irritant

12 Ecological information:

- **General notes:**

Harmful to aquatic organisms

Water hazard class 2 (Self-assessment): hazardous for water

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13 Disposal considerations

- **Product:**
- **Recommendation** Disposal must be made according to official regulations.
- **European waste catalogue:**
Waste disposal key numbers from EWC have to be assigned depending on origin and processing.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

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

- **Maritime transport IMDG-Code:**
- **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/labelled in accordance with EC Directives / relevant national laws.
- **Code letter and hazard designation of product:**



Xi Irritant

- **Risk phrases:**
36 Irritating to eyes.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

· **Ingredients according to Regulation (EC) No 648/2004:**

phosphates	5 - 15%
non-ionic surfactants, EDTA and salts thereof	< 5%

- **National regulations**
- **Information about limitation of use:** Employment restrictions concerning young persons must be observed.
- **Decree to be applied in case of technical fault:** -
- **Water hazard class:** Water hazard class 2 (Self-assessment): 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.

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· Reasons for changes:

The Material Safety Data Sheet has been revised. Changes in the respective chapters are characterized in the left side edge by *.

· Relevant R-phrases:

The(se) R-phrase(s) are those of the ingredient(s) and do(es) not necessarily represent the classification of the preparation.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

22 Harmful if swallowed.

36/38 Irritating to eyes and skin.

41 Risk of serious damage to eyes.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Department issuing MSDS:

C.S.B. GmbH Phone: +49 - 2151 - 652086-0

Parkstraße 29 Fax: +49 - 2151 - 652086-9

D-47829 Krefeld

Germany

· * Data compared to the previous version altered.

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