

WTW Safety Data Sheet
According to EC Directives 91/155/EEC

1. Identification of the substance/preparation and of the company/undertaking

Product name:

Cleaning Solution Trescon NO₂-N, NO_x-N, PO₄-P, P_{ges.}

Ord. No.: 821 156

Model: C/TCM1

Manufacturer:

WTW Wissenschaftlich-Technische Werkstätten GmbH, Dr.-Karl-Slevogt-Straße 1, D-82362 Weilheim, Germany, Tel.: +49(0)881 183-0, Fax.: +49(0)881 183-420

Emergency telephone:
(001)-703-527-3887

2. Composition/information on ingredients

Chemical characterization: Aqueous solution, strong alkaline

Hazardous ingredients: Sodium hydroxide

Hazard symbols: Corrosive (C)

R-phrases: 35

Content: < 4 %

CAS-No.: 1310-73-2

EC-Index-No.: 011-002-00-6

3. Hazards identification

Causes burns.

4. First aid measures

After inhalation: Fresh air

After skin contact: Wash off with plenty of water .
Remove contaminated clothing.

After eye contact: Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.

After ingestion: Make injured person drink plenty of water.
Avoid vomiting (risk of perforation). Immediately summon doctor.
Do not attempt to neutralize.

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5. Fire-fighting measures

<i>Suitable extinguishing media:</i>	To suit environment.
<i>Unsuitable extinguishing media:</i>	No information available
<i>Special risks:</i>	Hydrogen may form upon contact with light metals.
<i>Other information:</i>	Non combustible. Do not stay in dangerous zone without chemical protection clothing and selfcontained breathing apparatus.

6. Accidental release measures

<i>Personal-related precautionary measures:</i>	Do not inhale vapours/aerosols. Avoid substance contact.
<i>Environmental-protection measures:</i>	Do not allow to enter sewage system.
<i>Procedures for cleaning/absorption:</i>	Take up with liquid-absorbent material. Forward for disposal. Clean up affected area with water.

7. Handling and storage

<i>Handling:</i>	No further requirements
<i>Storage:</i>	Store tightly closed. No aluminium, tin , or zinc container.

8. Exposure control/personal protection

<i>Specific control parameters:</i>	MAK-value (Germany): 2 mg/m ³ sodium hydroxide total dust
Personal protective equipment	
<i>Respiratory protection:</i>	Required when vapours/aerosols are generated.
<i>Eye protection:</i>	Protective glasses
<i>Hand protection:</i>	Gloves (nitrile rubber)
<i>Industrial hygiene:</i>	Wash hands and face after working with solution. Change contaminated clothing. Use suitable protective clothing.

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9. Physical and chemical properties

<i>Form:</i> liquid	<i>Colour:</i> colourless	<i>Odour:</i> odourless
<i>pH-value</i>	~ 13.7 at 20°C	
<i>Melting temperature:</i>	not available	
<i>Boiling temperature:</i>	not available	
<i>Ignition temperature:</i>	not available	
<i>Flash point:</i>	not available	
<i>Explosion limite lower:</i>	not available	
<i> upper:</i>	not available	
<i>Density:</i>	1.05 g/cm	
<i>Solubility in water:</i>	miscible	
<i>Thermal decomposition:</i>	not available	

10. Stability and reactivity

<i>Conditions to be avoided:</i>	No information available
<i>Substances to be avoided:</i>	Metals, light metals: Formation of hydrogen is possible, risk of explosion. Ammonium compounds generate ammonia. Acids cause violent reactions.
<i>Hazardous decomposition products:</i>	Not known to date.
<i>Further information:</i>	No Information available.

11. Toxicological information

<i>Acute toxicity:</i>	Quantitative data on the toxicity of this product are not available due to other dangerous properties of the substance.
<i>Further toxicological information:</i>	After skin contact: burns and necrosis. After eye contact: burns nrcrosis, risk of blindness! After ingestion: burns: burns of mouth, mucous membrane, and oesophagus. Risk of perforation in the oesophagus and stomach.. Systemic effect: collapse and death.

12. Ecological information

<i>Ecotoxic effects:</i>	Toxic effect on fish and plankton. Harmful effect due to pH-shift. Death of fish possible. Neutralisation possible in waste water trement plants.
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13. Disposal considerations

Products: There are no uniform regulations for the disposal of chemicals or residues. The disposal is regulated through corresponding regional laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose the special waste.

Packaging: Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, noncontaminated packaging may be treated like household waste or recycled.

14. Transport information

ADR/GGVSE: UN 1824 Natriumhydroxidlösung, 8 II

IMDG/GGVSee: UN 1824 Sodium hydroxide solution, 8 II
EmS-No.: F-A, S-B

ICAO/IATA: UN 1824 Sodium hydroxide solution, 8 II

Further information: None

15. Regulatory information

Labelling according to EC directives

Symbol: Corrosive (C)
R-phrases: 34 Causes burns
S-phrases: 2-26-37/39-45 Keep out of the reach of children
In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
Wear suitable protective gloves and eye/face protection.
In case of accident or if you feel unwell, seek medical advice
Immediately (show the label where possible):

German regulations

Water pollution class; WGK: 1 Slightly polluting substance
Storage class: 8 B
Regulation on combustible liquids; VbF: Non combustible
Other regulations: None

16. Other information

Date of issue: 15.07.2006
Supersedes edition of 28.09.2004
Reason for alteration: General update

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.