

Safety Data Sheet

according to 29 CFR 1910.1200(g)

XR Cleaner NDT

Print date: 01.09.2015

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1. Identification**Product identifier**

XR Cleaner NDT

Use of the substance/mixture

Cleaner

Details of the supplier of the safety data sheet

Company name: Dürr NDT GmbH & Co. KG
 Street: Höpfigheimer Str. 22
 Place: 74321 Bietigheim-Bissingen, Germany
 Telephone: 011 +49 7142 99381-0
 Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

Emergency phone number: 011 +49 6132 84463 (24 h/7d)**2. Hazard(s) identification****Classification of the chemical**

Hazard categories:
 Serious eye damage/eye irritation: Eye Irrit. 2
 Respiratory/skin sensitization: Skin Sens. 1
 Hazard Statements:
 Causes serious eye damage

Label elements

Signal word: Danger
 Pictograms: corrosion

**Hazard statements**

Causes serious eye damage

Precautionary statements

Wash hands thoroughly after handling.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 If eye irritation persists: Get medical advice/attention.

Hazards not otherwise classified

No data available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
64-02-8	tetrasodium ethylene diamine tetraacetate	5 %
27323-41-7	dodecylbenzenesulphonic acid / nitrilotriethanol (1:1)	5 %
1310-73-2	caustic soda, sodium hydroxide	1 %

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4. First-aid measures

Description of first aid measures

General information

Remove contaminated soaked clothing immediately.
If threatening unconsciousness, position and transport in recovery position.
In case of breathing difficulties give oxygen.

After inhalation

Ensure of fresh air.
Seek medical treatment immediately.

After contact with skin

In case of contact with skin wash off with soap and water.

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

After ingestion

Do not induce vomiting.
Summon a doctor immediately.

Most important symptoms and effects, both acute and delayed

DANGER!
May cause irreversible eye damage.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Sand

Unsuitable extinguishing media

Full water jet.

Specific hazards arising from the chemical

Combustion gases of organic material are usually classified as respiratory toxins.

Special protective equipment and precautions for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases can only be done with breathing apparatus.

Additional information

Cool containers at risk with water spray jet.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep away from heat and sources of ignition.
Attention. Hazard of skidding.

Environmental precautions

Do not discharge into the drains or bodies of water.
Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the subsoil/soil.

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Methods and material for containment and cleaning up

Take up with absorbent material.
Send in suitable containers for recovery or disposal.
After taking up the material dispose according to regulation.

Reference to other sections

Information for disposal look up chapter 13.

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

Avoid contact with the skin and the eyes.
Do not breathe vapours or spray mist.
When using do not eat, drink or smoke.

Advice on protection against fire and explosion

No special protective measures against fire required.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Protect from heat and direct solar radiation.

Advice on storage compatibility

Keep containers tightly closed in a dry, well-ventilated place.

8. Exposure controls/personal protection**Control parameters****Exposure limits**

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
1310-73-2	Sodium hydroxide	-	2		TWA (8 h)	PEL
		-	-		TWA (8 h)	TLV
			2		Peak	TLV

Exposure controls**Protective and hygiene measures**

Avoid contact with the skin.
Cloths contaminated with product should not be kept in trouser pockets.
At work do not eat, drink, smoke or take drugs.
Before work use solvent-resistant skin protection preparation.

Eye/face protection

Safety goggles

Hand protection

Neoprene gloves, Nitrile rubber
Glove material must be impermeable and resistant against product / substance / preparation. Gloves material should comply with breakthrough times, permeation rates, and degradation.
Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Skin protection

Light protective clothing

Environmental exposure controls

Handle in accordance with good industrial hygiene and safety practices.

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9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state: Liquid
 Color: Colourless, clear
 Odor: Characteristic

Test method**Changes in the physical state**

Initial boiling point and boiling range: >100 °C
 Flash point: Not applicable.
 Density (at 20 °C): 0.99 - 1.01 g/cm³
 Water solubility: Completely soluble

Other information

No data available.

10. Stability and reactivity**Reactivity**

No data available.

Chemical stability

Stability: Stable
 Chemically stable.

Possibility of hazardous reactions

Hazardous reactions: Will not occur
 No data available.

Conditions to avoid

To avoid thermal decomposition, do not overheat.

Incompatible materials

Not known.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

11. Toxicological information**Information on toxicological effects****Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

Acute toxicity

Based on available data, the classification criteria are not met.
 LD50/oral/rat: > 5 000 mg/kg
 LD50/dermal/rabbit: > 5 000 mg/kg
 LC50/inhalativ/rat: > 5 mg/l

CAS No	Components				
	Exposure routes	Method	Dose	Species	Source
64-02-8	tetrasodium ethylene diamine tetraacetate				
	oral	ATE	500 mg/kg		

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Irritation and corrosivity

Causes serious eye damage

Sensitizing effects

Based on available data, the classification criteria are not met.

Non-sensitizing (Self-classification)

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

A longer or repeated contact may lead to irritation of eyes and mucous membranes.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

Aspiration hazard

Based on available data, the classification criteria are not met.

12. Ecological information

Ecotoxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

Further information

Do not flush into surface water or sanitary sewer system.

Hazardous water pollutant.

13. Disposal considerations

Waste treatment methods

Advice on disposal

Where possible recycling is preferred to disposal.

In accordance with regulations for special waste, must be taken to a special waste disposal.

It is not possible to give this product a waste code number according to the European waste catalogue because only the intended use of the user consents the assignment of a specific code number.

The waste code number must be agreed with the disposer / manufacturer / competent authority.

Contaminated packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport information

US DOT 49 CFR 172.101

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Proper shipping name: Not regulated.

Other applicable information

Non hazardous material as defined by the transport regulations.

15. Regulatory information

U.S. Regulations**National Inventory TSCA**

All of the components are listed on the TSCA inventory.

SARA

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

16. Other information

Hazardous Materials Information Label (HMIS)

Health: 1

Flammability: 0

Physical Hazard: 0

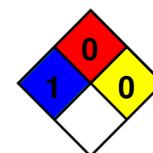
NFPA Hazard Ratings

Health: 1

Flammability: 0

Reactivity: 0

Unique Hazard:

**Changes**

Revision date: 09.12.2014

Revision No: 1,0

Changes in chapter: -

Other dataThe information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.
(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)