

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

NBK

Print date: 25.11.2010

Product code: 250

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5. Fire-fighting measures**Suitable extinguishing media**Water fog. Foam. Dry extinguishing powder. Carbon dioxide (CO₂).**Extinguishing media which must not be used for safety reasons**

High power water jet.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Can be released in case of fire:

Nitrogen oxides (NO_x).

Carbon monoxide.

Carbon dioxide (CO₂).**Special protective equipment for fire-fighters**

In case of fire: Wear self-contained breathing apparatus. Full protective suit.

6. Accidental release measures**Personal precautions**

See protective measures under point 7 and 8.

Environmental precautions

Contain and control the leaks or spills with noncombustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal

Do not empty into drains or the aquatic environment.

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Large quantities remove mechanically

Clean contaminated objects and areas thoroughly observing environmental regulations. Clean with detergents. Avoid solvent cleaners.

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

Use only in well-ventilated areas.

Direct contact with skins avoid.

When using do not eat, drink or smoke.

Advice on protection against fire and explosion

Prevent access by unauthorised personnel.

Further information on handling

When using do not eat, drink or smoke.

High slip hazard because of leaking or spilled product.

Storage**Requirements for storage rooms and vessels**

Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

Recommended storage temperature: 5-40 °C

Maximum period of storage (time): 1 Jahr

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Do not store with strong oxidizing agents.

Further information on storage conditions

The regulations relating to storage premises apply to workshops where the product is handled.

Maximum period of storage (time):

Storageclass (VCI):

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8. Exposure controls/personal protection**Exposure limit values**

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Exposure limits (EH40)

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
141-43-5	2-Aminoethanol	1	1.5		TWA (8 h)	WEL
		3	7.6		STEL (15 min)	WEL
10043-35-3	boric acid (neutralized)		10		TWA (8 h)	MAC
					STEL (15 min)	MAC
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Exposure controls

Protective and hygiene measures

Use personal protection equipment as per Directive 89/686/EEC.

Respiratory protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

Hand protection

Protect skin by using skin protective cream.
Wear protective gloves if advisable under safety aspects.
Wash hands before breaks and at the end of work.
Gloves of appropriate material (i.e. nitrilic rubber, specification: penetration time: level 6, >480 min., thickness 0,9-1 mm; CE-certified acc. EN 374 cat III)

Eye protection

Use glasses or face shield if there is a risk of splashing.

Skin protection

Chemical resistant safety shoes.
Take off immediately all contaminated clothing.
Thorough skin-cleansing after handling the product.
Set out skin protection guidelines.

9. Physical and chemical properties

General information

Physical state: liquid
Colour:

Important health, safety and environmental information

pH-Value (at 20 °C): in aqueous solution 3% ; 9,40 Test method: DIN 51369

Changes in the physical state

Flash point: irrelevant
Ignition temperature: not determined
Vapour pressure: not determined
Density (at 20 °C): 1,08 g/cm³ EN ISO 12185
Viscosity / kinematic (at 20 °C): 13 mm²/s ASTM D 7042

10. Stability and reactivity

Conditions to avoid

Protect against: heat.

Materials to avoid

The following must be prevented: Oxidizing agents, strong. acid.

Hazardous decomposition products

Hazardous decomposition products: none/none

11. Toxicological information

Acute toxicity

after ingestion: LD50: > 2000mg/kg Rat.
After skin contact: LD50: > 2000mg/kg Rat.
following inhalation: LC50: > 5mg/1/4hRat.

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Additional information on tests

No risks worthy of mention. Practical experience.
The statement is derived from the properties of the components.
The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

12. Ecological information**Mobility**

in delivery condition: liquid

Persistence and degradability

Additional information: none/none

Bioaccumulative potential

Can be concentrated in organisms.

13. Disposal considerations**Advice on disposal**

Completely emptied packings can be re-cycled. Waste disposal according to official state regulations.

Waste disposal number of waste from residues/unused products

120109 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; machining emulsions and solutions free of halogens
Classified as hazardous waste.

14. Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

Not restricted

Inland waterways transport**Other applicable information (inland waterways transport)**

Not restricted

Marine transport**Other applicable information (marine transport)**

Not restricted

Air transport**Other applicable information (air transport)**

Not restricted

15. Regulatory information**Labelling****R phrases**

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EU regulatory information

1999/13/EC (VOC): 31,027 %

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

20 Harmful by inhalation.
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
21/22 Harmful in contact with skin and if swallowed.
22 Harmful if swallowed.
34 Causes burns.
38 Irritating to skin.
41 Risk of serious damage to eyes.
43 May cause sensitization by skin contact.
50 Very toxic to aquatic organisms.
52 Harmful to aquatic organisms.

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52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.
60	May impair fertility.
61	May cause harm to the unborn child.
66	Repeated exposure may cause skin dryness or cracking.

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