

NBK - S

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After ingestion

Do not induce vomiting. In case of swallowing, keep the patient at rest and contact a doctor.

Advice to physician

Treat symptomatically

5. Fire Fighting Measures

Suitable extinguishing media

Water fog. Foam. Dry extinguishing powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

Special hazards arising from the chemical

Can be released in case of fire:

Nitrogen oxides (NO_x).

Carbon monoxide.

Carbon dioxide (CO₂).

Protective equipment and precautions for firefighters

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.

Material Safety Data Sheet

according to ANSI Z400.1-2004

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Do not store with strong oxidizing agents.

Further information on storage conditions

te regulations relating to storage premises apply to workshops where the product is hanled.

Maximum period of storage (time):

8. Exposure Controls/Personal Protection

Exposure limit values

Exposure limits

CAS No.	Components	ppm	mg/m ³	fib/cc	Category	Origin
141-43-5	Ethanolamine	3	6		TWA (8 h)	PEL
		3	8		TWA (8 h)	REL
		6	15		STEL (15 min)	REL

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

Appearance

Form:	liquid
Color:	light yellow
Odor:	characteristic

Important health, safety and environmental information

pH-Value (at 20 °C):	in aqueous solution 5% ; 9,04	Test method DIN 51369
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Changes in the physical state

Flash point:	irrelevant
Ignition temperature:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	1,07 g/cm ³ EN ISO 12185

according to ANSI Z400.1-2004

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Viscosity / kinematic:
(at 20 °C)

8,86 mm²/s ASTM D 7042

Other information

10. Stability and Reactivity

Stability

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

Possibility of Hazardous Reactions

11. Toxicological Information

Acute toxicity

after ingestion: LD50: > 2000mg/kg Rat.

After skin contact: LD50: > 2000mg/kg Rat.

following inhalation: LC50: > 5mg/1/4hRat.

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.

14. Transport Information

Land transport (ADR/RID)

Other applicable information

Not restricted

Inland waterways transport

Other applicable information

Not restricted

Marine transport

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Other applicable information

Not restricted

Air transport

Other applicable information

Not restricted

15. Regulatory Information

U.S. Regulations

16. Other Information

Hazardous Materials Information Label (HMIS)

Health: 0

Flammability: 0

Physical Hazard: 0

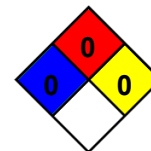
NFPA Hazard Ratings

Health: 0

Flammability: 0

Reactivity: 0

Unique Hazard:



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