

Material Safety Data Sheet

according to ANSI Z400.1-2004

CSC

Print date: 26.01.2011

Product code: 23

Page 2 of 4

Extinguishing media**Suitable extinguishing media**Water fog. Foam. Dry extinguishing powder. Carbon dioxide (CO₂).**Unsuitable extinguishing media**

High power water jet.

Special hazards arising from the substance or mixture

Can be released in case of fire:

Nitrogen oxides (NO_x).

Carbon monoxide.

Carbon dioxide (CO₂).**Advice for firefighters**

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

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

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 and material for containment and cleaning 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.

SECTION 7: Handling and storage**Precautions for safe 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.

Conditions for safe storage, including any incompatibilities**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):

SECTION 8: Exposure controls/personal protection**Control parameters**

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Page 3 of 4

Exposure limits

CAS No.	Components	ppm	mg/m ³	fib/cc	Category	Origin
102-71-6	Triethanolamin	0,5	5		TWA (8 h)	
		0,5	5		TWA (8 h)	
		0,5	5		TWA (8 h)	
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.

SECTION 9: Physical and chemical properties
Information on basic physical and chemical properties

Form:	liquid
Color:	light yellow
Odor:	characteristic

Test method

pH-Value (at 20 °C): in aqueous solution 5% ; 9,04 DIN 51369

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
Viscosity / kinematic: (at 20 °C)	8,86 mm ² /s ASTM D 7042

SECTION 10: Stability and reactivity

Stability:

Possibility of Hazardous Reactions:

Conditions to avoid

Protect against: heat.

Incompatible materials

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

Hazardous decomposition products

Hazardous decomposition products: none/none

SECTION 11: Toxicological information
Information on toxicological effects

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Page 4 of 4

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).

SECTION 12: Ecological information**Persistence and degradability**

Additional information: none/none

Bioaccumulative potential

Can be concentrated in organisms.

Mobility in soil

in delivery condition: liquid

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

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

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information**

Not restricted

Inland waterways transport**Other applicable information**

Not restricted

Marine transport**Other applicable information**

Not restricted

Air transport**Other applicable information**

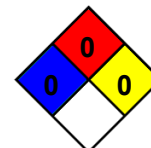
Not restricted

SECTION 15: Regulatory information**U.S. Regulations****SECTION 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.)