

Material Safety Data Sheet

in accordance with Regulation (EC) No.
1907/2006



Trade name: Noa FireEx 8.o G

Revised: Aug 12th, 2013

Version: 1.0.5

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1. Name of the substance or preparation and company name

Trade name: Noa Fire-Ex 8.o G

Product Usage: Extinguishing agent for developing fires
Contents: Liquid mixture of 98.5 % water and 1.5 % «GelKoh» extinguishing gel without gaseous blowing agents.
Contents: Liquid mixture of 98.0% water and 2.0% «GelKoh» extinguishing gel without gaseous blowing agents.

Manufacturer/Supplier: Tectro SMT GmbH
Thrasoltstr. 46
D-55439 Saarburg
Germany
Phone: +49 / 6581 / 912-0
Fax: +49 / 6581 / 912-410
Contact: feuerloescher@tectro.de

Emergency information:

Giftinformationszentrum Nord of the countries of Bremen, Hamburg, Lower Saxony and Schleswig-Holstein («GIZ Nord»),
Georg-August University of Göttingen, Centre for Pharmacology and Toxicology,
Robert-Koch-Straße 40,
D-37075 Göttingen
Phone: +49 / 551/192 40
Fax: +49 / 551/383 1881

2. Potential Hazards

2.1 Classification:

none, product is not a pressure vessel within the meaning of the Directives 97/23/EC (Pressure Equipment Directive) and 1999/36/EC (TPED)

2.1.1 Hazard Indication

n.a.

2.1.2 Additional hazard warnings for persons and the environment:

Caution! Container under pressure (solely fluid pressure, no gas pressure).

Protect from sunlight and temperatures over 50 °C. Do not force open or burn after usage either.

Keep out of reach of children.

3. Composition / information about ingredients

3.1 *Chemical Characterisation:* CAS No. Description: 7732-18-5 Water

3.2 *Identification Numbers:* EINECS Number: 231-791-2

4. First aid measures

General information: No special measures required

After inhalation: Fresh air; in case of complaints consult physician.

After contact with skin: The product is generally not a skin irritant.

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After eye contact: Rinse eyes, with the lid open, for several minutes with running water.

After ingestion: In case of persistent discomfort consult physician.

5. Fire-fighting measures

Suitable extinguishing media: Not applicable, since the product is non-flammable.

Special protective equipment: No special measures required.

Further information: The product is an extinguishing agent.

6. Measures in case of accidental release

Personal safety precautions: Not necessary.

Measures for protection of the environment: The product may enter the sewerage system.

Procedures for removal / absorption: Remove liquid components with liquid-absorbent material.

Additional information: There are no hazardous substances released.

7. Handling and storage

Precautions for safe handling: No special measures required.

Precautions for fire and explosion protection: No special measures required.

Storage: Container does not hold compressed gas. Store between 0 °C and 50 °C. Protect from heat and sunlight. VCI storage class: 12.

Precautions for combined storage: Not necessary.

Further information on storage conditions: None

Classification according to Industrial Safety Ordinance (BetrSichV): -

8. Exposure control and personal protective equipment

8.1 *Additional information for the design of technical systems:* No further data, see Chapter 7.

8.2 *Components with occupational exposure limits to be monitored:* n.a.

8.3 *Additional information:* Based on the lists valid upon preparation.

8.4 *Components of personal protective equipment:*

Observe the usual precautions when handling chemicals. For fire-fighting, select personal protective equipment appropriate for the burning materials.

Respiratory protection: not required if the room is properly ventilated

Hand protection: not required if the material is handled properly When intensive contact is to be expected, wear gloves certified according to DIN EN 374 (consultation by glove manufacturers). If this is not possible for safety reasons (e.g. work on rotating machines): Use skin protection cream. Consult company physician for the type of the skin protection cream.

Note: Contrary to Announcement 220 and REACH, indication of the glove material is not sufficient. The penetration time will depend not only on the glove material, but also on the manufacturing process of the gloves. This is why consulta-

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	tion with the glove manufacturers is important. For the product, rubber or plastic gloves will generally be sufficient.
<i>Eye protection :</i>	Not required if the material is handled properly When intensive contact is to be expected, wear safety goggles with lateral protection.
<i>Body protection :</i>	Not required if the material is handled properly

9. Physical and chemical properties

9.1 Appearance

<i>Consistency:</i>	liquid
<i>Colour:</i>	milky white. Possibly reddish colour changes.
<i>Odour:</i>	odourless, possibly slightly rancid note.

9.2 Safety-related data

<i>Melting point:</i>	0°C
<i>Boiling point:</i>	100°C
<i>Flash point:</i>	No ignition
<i>Ignition temperature:</i>	n.a.
<i>Auto-ignition temperature:</i>	n.a.
<i>Explosion limits:</i>	The product is not explosive.
<i>Vapour pressure at 20 °C:</i>	8000 – 9000 hPa
<i>Density at 20 °C:</i>	1 g/cm ³
<i>Bulk density:</i>	n.a.
<i>Solubility in water:</i>	Completely miscible
<i>pH value:</i>	7
<i>Solvents contained:</i>	Organic solvents: 0.0% Water: > 99.3% VOC (EU): 0.0%

10. Stability and reactivity

<i>Thermal decomposition:</i>	No thermal decomposition when used as intended
<i>Hazardous reactions:</i>	No known hazardous reactions.
<i>Hazardous decomposition products:</i>	No known hazardous decomposition products.

11. Toxicology information

11.1. Acute toxicity:

Primary irritant effect:

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<i>on skin:</i>	No irritation.
<i>on the eye:</i>	No irritation.
<i>Sensitization:</i>	No sensitizing effect known.
<i>Additional toxicological information:</i>	According to our experience and the information available, the product has no harmful effects when handled properly and used for the intended purpose. The substance is not subject to labelling according to the EC lists as most recently amended.

12. Ecology information

12.1 General information

Generally not harmful to water.

13. Disposal considerations

13.1 Product:

Recommendation: It is recommended to empty the extinguisher by spraying it empty. The extinguishing agent may be poured into the sewage system. The emptied packaging can be put into the trash. Systems that have not been emptied must be disposed of in accordance to official regulations.

13.2 Packagings which are not cleaned:

Recommendation: Disposal in accordance with the regulatory requirements.

Recommended cleaning agent: Water, if required with addition of detergents.

14. Transport information

The extinguisher is not subject to the regulations for dangerous goods nor to the UN 1950.

Customs tariff number: 84241000

15. Regulations

15.1 Labelling in accordance with EEC Directives

Observe the usual precautions when handling chemicals. The substance does not require labelling according to EC lists or other known sources.

15.2 Special labelling of individual preparations :

Caution! Container under pressure (solely fluid pressure, no gas pressure). Protect from sunlight and temperatures over 50°C. Do not force open or burn after usage either. Keep out of reach of children.

15.3 National German regulations:

15.3.1 Classification according to Industrial Safety Ordinance (Betriebssicherheitsverordnung): -

15.3.2 Water Hazard Class: Generally not harmful to water.

16. Further information

The information is based on the current state of our knowledge, but does not constitute a warranty of any

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particular properties of the product nor establish any contractual relationship.

Abbreviations and Acronyms:

- ADR: Accord européen sur le transport des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulations by the «International Air Transport Association» (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions by the «International Civil Aviation Organization» (ICAO)
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Substances

The information is based on the current state of our knowledge and intended to describe the product with regard to the safety precautions to be taken. It does not constitute a warranty of any specific properties of the product described. In case of unforeseen effects or properties of the product, the material safety data sheet is not intended as a substitute for the consultation of trained professionals.