

Material Safety Data Sheet



Completed 06-07-2023
Revision: (date) -
SDS version 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Trade Name: 112 Brandslukker
Product- no.: -

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses:

Fire extinguisher.

Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:

4 Fire International
Sadelmagervej 27
DK-7100 Vejle
Tel: +45 75838283
www.4fire.dk

Contact person and E-mail:

jp@4fire.dk

The Safety data sheet is completed and validated by:

Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KN

1.4. Emergency telephone number

Use your national or local emergency number - For "First aid measures" see section 4.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008):
Aerosol 3;H229

See full text of H-phrases in section 16.

2.2. Label elements

-

Signal word:

Warning

Pressurised container: May burst if heated. (H229)

Keep out of reach of children. (P102)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Do not pierce or burn, even after use. (P251)

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. (P410 + P412)

Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards

-

Additional labelling:

-

Additional warnings

-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Contains no substances subject to reporting requirements.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

In case of discomfort: Seek fresh air.
Seek medical advice in case of persistent discomfort.

Ingestion:

In case of spray mist in the mouth:
Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Seek medical advice in case of discomfort.

Skin contact:

Wash skin with soap and water.
Seek medical advice in case of persistent discomfort.

Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Additional information:

When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Not relevant.

5.2. Special hazards arising from the substance or mixture

The product is not flammable.
Heating will cause a rise in pressure in packaging with a risk of bursting.

5.3. Advice for firefighters

Fire fighters should wear appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special requirements.
Avoid breathing and contact with skin and eyes.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Not relevant.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special requirements.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.
Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 °C.

7.3. Specific end use(s)

See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit value (IOELV)

-

DNEL/PNEC-values:

No data.

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

No special requirements.

Personal protective equipment:

Respiratory protection:

Not required.

Hand protection:

Not required.

Eye/face protection:

Not required.

Skin protection:

Generally not required.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	-
Odour:	-
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm ² /s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

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10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
No data.	-	-	-	-

Skin corrosion/irritation:

May cause slight irritation.

Serious eye damage/irritation:

May cause eye irritation.

Respiratory or skin sensitisation:

Based on the existing data, the classification is not met.

Germ cell mutagenicity:

Based on the existing data, the classification is not met.

Carcinogenicity:

Based on the existing data, the classification is not met.

Reproductive toxicity:

Based on the existing data, the classification is not met.

STOT-single exposure:

Based on the existing data, the classification is not met.

STOT-repeated exposure:

Based on the existing data, the classification is not met.

Aspiration hazard:

Based on the existing data, the classification is not met.

11.2. Information on other hazards

Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
No data.	-	-	-	-

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data.	-	-	-

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
No data.	-	-

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Test data are not available.

12.7. Other adverse effects

None.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Do not dispose of aerosol sprays in refuse collection, even when empty. The sprays must be sent to the municipal chemical waste collection facility with the specifications set out below.

EWC-Code	Description
16 05 04	Gases in pressure containers (including halons) containing hazardous substances

Specific labelling:

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Contaminated packaging:

-

SECTION 14: Transport information

The product is covered by the rules for transport of dangerous goods.

14.1 -14.4.

ADR

14.1. UN number or ID number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group
1950	AEROSOLS	2.1	-

IMDG/IATA

14.1. UN number or ID number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group
1950	AEROSOLS	2.1	-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Sources:

Commission Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, EU 2017/164 and EU 2019/1831 (the first, second, third, fourth and fifth IOELV Directives).

Additional labelling:

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Restrictions for application:

-

Demands for specific education:

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15.2. Chemical safety assessment

None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:

Sources:

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

EU regulation no. 276/2010

Directive 2008/98/EC

ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H229 Pressurised container: May burst if heated.

Classification according to Regulation (EC) Nr. 1272/2008:

Aerosol 3;H229 Expert judgement

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

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This material safety data sheet replaces version:

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