

Safety Data Sheet

MRN501FG

Replaces date: 1/25/2022

Revision date: 8/29/2023
Version: 1.3.0

SECTION 1: Identification

1.1. GHS Product identifier

Trade name: MRN501FG

Article no

| Article no | Description |
|--------------|-------------|
| 003481000014 | |

1.2. Recommended use of the chemical and restrictions on use

Recommended uses: Release agent.

1.3. Supplier's details

Supplier

Company: Mouldpro ApS
Address: Baltorpbakken 10
Zip code: 2750
City: Ballerup
Country: DENMARK
E-mail: sales@mouldpro.com
Phone: +45 70 20 31 31
Homepage: www.mouldpro.com

1.4. Emergency phone Number

+ 45 70 20 31 31 (Mouldpro) The emergency telephone is open between 8 a.m. and 4 p.m. on workdays.

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification: Aerosols, Category 1;H222
Aerosols, Category 1;H229

Most serious harmful effects: Extremely flammable aerosol. Pressurized container: may burst if heated

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2.2. GHS label elements, including precautionary statements

Pictograms



Signal word: Danger

Hazard Statements

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated

Precautionary statements

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

2.3. Other hazards which do not result in classification

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Substance | CAS No./ EC No./ REACH Reg. No. | Concentration | Notes |
|---|---------------------------------|---------------|-------|
| Petroleum gases, liquefied (with <0,1% 1,3-Butadiene) | 68476-85-7 270-704-2 | 60 - 100 % | |

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

Inhalation: Seek fresh air.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.

Skin contact: Remove contaminated clothing. Wash the skin with water.

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

Burns: Flush with water until pain ceases. Remove clothing that is not stuck to the skin - seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

General: Bring the safety data sheet or label when seeking medical advice.

4.2. Most important symptoms/effects, acute and delayed

May cause slight irritation to the skin and eyes. Inhalation of spray mist may cause irritation to the upper airways.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting measures

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5.1. Suitable extinguishing media

Suitable extinguishing media: Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use a jet of water, as it may spread the fire.

5.2. Specific hazards arising from the chemical

Can generate harmful flue gases containing carbon monoxide in the event of fire. CAUTION! Aerosol containers may explode. Heating will cause a rise in pressure in packaging with a risk of bursting.

5.3. Special protective actions for fire-fighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapor and smoke gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Provide adequate ventilation. Smoking and naked flames prohibited.

For emergency responders: Normal protective clothing is recommended.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and materials for containment and cleaning up

Wipe up drops and splashes with a cloth.

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

Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Use the product under well-ventilated conditions.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, drugs, etc. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Store in a dry, cool, well-ventilated area. Do not store with the following: Oxidizers.

7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements.

Measuring methods: Compliance with occupational exposure limits may be checked by occupational hygiene measurements.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash.

Personal protective equipment, skin protection: Not required.

Personal protective equipment, hand protection: Plastic or rubber gloves recommended.

Personal protective equipment, respiratory protection: Light use (small volume, shortterm contact (below 10 min.)): Not required.
Medium use (medium volume, medium contact (1-2 hours)): Wear full-face mask with fresh air supply.
Heavy use (high volume, longterm contact (more than 2 hours)): Wear full-face mask with fresh air supply.

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

| Parameter | Value/unit |
|----------------|----------------|
| Physical state | Aerosol |
| Color | No data |
| Odour | Characteristic |
| Solubility | No data |

| Parameter | Value/unit | Remarks |
|--|-----------------|---------|
| Odour threshold | No data | |
| Melting point | No data | |
| Freezing point | No data | |
| Boiling point or initial boiling point and boiling range | -40 - -2 °C | |
| Flammability | No data | |
| Lower and upper flammability limit | 1.4 - 10.9 vol% | |
| Lower and upper explosion limit | No data | |
| Flash Point | -104 °C | |
| Auto-ignition temperature | 365 °C | |
| Decomposition temperature | No data | |
| pH (solution for use) | No data | |
| pH (concentrate) | No data | |
| Kinematic viscosity | No data | |
| Viscosity | No data | |
| Partition coefficient n-octanol/water (log value) | No data | |
| Vapour pressure | 590 - 1760 kPa | |
| Density | No data | |
| Relative density | No data | |

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| | | |
|-----------------------------|---------|--|
| Relative vapour density | No data | |
| Relative density (sat. air) | No data | |
| Particle characteristics | No data | |

9.2. Other information

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Oxidizers.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Product vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources. Avoid direct sunlight. Avoid temperatures >50°C.

10.5. Incompatible materials

Oxidizers.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

11.1. Information on health hazard classes

Acute toxicity - oral: The product does not have to be classified. Test data are not available. Spray mist in mouth may irritate mucous membranes in mouth and throat.

Acute toxicity - dermal: The product does not have to be classified. Test data are not available.

Acute toxicity - inhalation: The product does not have to be classified. Test data are not available.

Skin corrosion/irritation: The product does not have to be classified. Test data are not available. May cause slight irritation.

Serious eye damage/eye irritation: The product does not have to be classified. Test data are not available. Temporary irritation.

Respiratory sensitization or skin sensitization: The product does not have to be classified. Test data are not available.

Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT exposure: The product does not have to be classified. Test data are not available. Inhalation of

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vapors/spray mist may cause irritation to the upper airways.

Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting properties: None known.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Avoid unnecessary release to the environment. Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. Do not dispose of aerosol sprays in refuse collection, even when empty. The sprays must be sent to the municipal chemical waste collection facility.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: 1950

14.4. Packing group, if applicable:

14.2. UN proper shipping name: AEROSOLS

14.5. Environmental hazards:

The product should not be labelled as an environmental hazard (symbol: fish and tree).

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14.3. Transport hazard class(es): 2.1

Hazard label(s): 2.1

Hazard identification number:

Tunnel restriction code: D

Inland water ways transport (ADN)

14.1. UN number: 1950

14.4. Packing group, if applicable:

14.2. UN proper shipping name: AEROSOLS

14.5. Environmental hazards:

The product should not be labelled as an environmental hazard (symbol: fish and tree).

14.3. Transport hazard class(es): 2.1

Hazard label(s): 2.1

Transport in tank vessels:

Sea transport (IMDG)

14.1. UN number: 1950

14.4. Packing group, if applicable:

14.2. UN proper shipping name: AEROSOLS

14.5. Environmental hazards:

The product is not a Marine Pollutant (MP).

14.3. Transport hazard class(es): 2.1

Hazard label(s): 2.1

EmS: F-D, S-U

Environmental Hazardous Substance Name(s):

IMDG Code segregation group: - None -

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number: 1950

14.4. Packing group, if applicable:

14.2. UN proper shipping name: AEROSOLS, FLAMMABLE

14.5. Environmental hazards:

The product should not be labelled as an environmental hazard (symbol: fish and tree).

14.3. Transport hazard class(es): 2.1

Hazard label(s): 2.1

14.6. Special precautions for user

None.

14.7. Transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Special Provisions: None.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

| Version | Revision date | Responsible | Changes |
|---------|---------------|-------------|---------|
|---------|---------------|-------------|---------|

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| 1.3.0 | 8/29/2023 | Bureau Veritas HSE / DOL | 2,16 |
|-------|-----------|--------------------------|------|

Abbreviations:

PBT: Persistent, Bioaccumulative and Toxic
STOT: Specific Target Organ Toxicity
vPvB: Very Persistent and Very Bioaccumulative

Other Information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with GHS Rev. 9 (2021).

Training advice:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method:

Calculation based on the hazards of the known components.

SDS is prepared by

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