

Safety Data Sheet

MRS501

Replaces date: 3/10/2021

Revision date: 1/25/2022
Version: 1.2.0

SECTION 1: Identification

1.1. GHS Product identifier

Trade name: MRS501

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 Skin irritation, Category 3;H316 Reproductive toxicity, Category 2;H361f Hazardous to the aquatic environment, long-term (Chronic), Category 3;H412

Most serious harmful effects: Extremely flammable aerosol. Pressurised container: May burst if heated. Causes mild skin irritation. Suspected of damaging fertility. Harmful to aquatic life with long lasting effects. The product releases organic solvent vapors which may cause drowsiness and dizziness. At high concentrations, the vapors may cause headache and intoxication. Prolonged or repeated inhalation of vapors may cause damage to the central nervous system.

2.2. GHS label elements, including precautionary statements

Pictograms



Signal word: Danger

Contains

Substance: n-hexane;

Hazard Statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

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H316 Causes mild skin irritation.
H361f Suspected of damaging fertility.
H412 Harmful to aquatic life with long lasting effects.

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.
P280 Wear protective gloves/eye protection/face protection.
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P501 Dispose of contents/container in accordance with local regulation.

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 %	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	921-024-6 01-2119475514-35	1 - 5 %	3
n-hexane	110-54-3 203-777-6	< 1 %	3

3 = H304 is not applicable due to use as aerosols.

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin contact: Remove contaminated clothing. 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.
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

If ingested, can be irritating to mucous membranes of the mouth and gastrointestinal tract. The product releases organic solvent vapors which may cause drowsiness and dizziness. At high concentrations, the vapors may cause headache and intoxication. Prolonged or repeated inhalation of vapors may cause damage to the central nervous system. Causes mild skin irritation. Suspected of damaging fertility. May cause eye irritation.

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

Treat symptoms. No special immediate treatment required.

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SECTION 5: Fire-fighting measures

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

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released. Heating will cause a rise in pressure in packaging with a risk of bursting. CAUTION! Aerosol containers may explode.

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 a chemical protection suit only where personal (close) contact is likely.

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. Wear safety goggles if there is a risk of eye splash. Wear gloves.

For emergency responders: In addition to the above: Protective suit 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

Use the product under well-ventilated conditions. Running water and eye wash equipment should be available. Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

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. Do not store with the following: Oxidisers. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not expose to heat (e.g. sunlight). Store in a dry, cool, well-ventilated area. Avoid direct sunlight.

7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: There are no official GHS occupational exposure limits. Be aware of possible national occupational exposure limits.

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, hand protection: Plastic or rubber gloves recommended. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

Personal protective equipment, respiratory protection: In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter.

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	Colourless
Odour	Solvent
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	(LPG)
Flammability	No data	
Lower and upper flammability limit	1.4 - 10.9 vol%	(LPG)
Lower and upper explosion limit	No data	
Flash Point	-104 °C	(LPG)
Auto-ignition temperature	365 °C	(LPG)
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 under heat generation with the following: Oxidisers. The product may ignite on contact with e.g. heat or a spark.

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

Oxidisers.

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. Ingestion may cause discomfort.
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:	Causes mild skin irritation.
Serious eye damage/eye irritation:	The product does not have to be classified. Test data are not available. May cause eye 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:	Suspected of damaging fertility.
Single STOT exposure:	The product does not have to be classified. Test data are not available. If ingested, can be irritating to mucous membranes of the mouth and gastrointestinal tract. The product

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contains small quantities of organic solvents. When working in large areas in poorly ventilated rooms, the vapors may cause headache and dizziness.

Repeated STOT exposure: The product does not have to be classified. Test data are not available. Prolonged or repeated inhalation of vapors may cause damage to the central nervous system.

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

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Expected to be biodegradable. Test data are not available.

12.3. Bioaccumulative potential

No bioaccumulation expected. 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

Potential for photo-chemical formation of ozone.

SECTION 13: Disposal considerations

13.1. Disposal methods

Avoid unnecessary release to the environment. 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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1.2.0	1/25/2022	Bureau Veritas HSE - DOL	2,3,11,12,15,16
1.1.0	3/10/2021	Bureau Veritas HSE - DOL	8,16

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. 7 (2017).

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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