

Safety Data Sheet

according to UK REACH Regulation

DINITROL SOM 1 Spray

Revision date: 26.11.2024

Product code: 21703

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

1.1. Product identifier

DINITROL SOM 1 Spray

UFI: J82D-FMEQ-200A-MRF4

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

Use of the substance/mixture

Anti-corrosive coating

Uses advised against

No further relevant information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: DINOL GmbH
Street: Pyrmonter Strasse 76
Place: D-32676 Luegde
Telephone: + 49 (0) 5281 982980
E-mail: msds@dinol.com
Contact person: Labor
Responsible Department: msds@dinol.com

Telefax: + 49 (0) 5281 9829860

Supplier

Company name: Leading Solvent Supplies Limited
Street: Marston Business Park, Rudgate
Place: GB Tockwith, York YO26 7QF
E-mail: enquiries@leading-solvents.co.uk
Internet: www.leading-solvents.co.uk

1.4. Emergency telephone number:

Giftnotruf Berlin: +49 30 30686 700 (Beratung in Deutsch und Englisch)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Aerosol 1; H222-H229
STOT SE 3; H336
STOT RE 1; H372
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Signal word: Danger

Pictograms:



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Hazard statements

| | |
|------|---|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H336 | May cause drowsiness or dizziness. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| 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. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |

Special labelling of certain mixtures

| | |
|--------|--|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| EUH208 | Contains calcium sulfonate. May produce an allergic reaction. Restricted to professional users. |

Additional advice on labelling

The classification of the aerosol was carried out according to EC 1272/2008, Annex 1, point 1.1.3.7.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:



Hazard statements

H222-H229-H372-H412

Precautionary statements

P210-P211-P251-P410+P412

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|--------------|---|--------------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | | | 15 - < 20 % |
| | 919-446-0 | | 01-2119458049-33 | |
| | Flam. Liq. 3, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H372 H304 H411 EUH066 | | | |
| | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | 15 - < 20 % |
| | 919-857-5 | | 01-2119463258-33 | |
| | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304 EUH066 | | | |
| | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | 15 - < 20 % |
| | 927-241-2 | | 01-2119471843-32 | |
| | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 3; H226 H336 H304 H412 EUH066 | | | |
| 106-97-8 | butane (<0,1 % butadiene) | | | 10 - < 15 % |
| | 203-448-7 | 601-004-00-0 | 01-2119474691-32 | |
| | Flam. Gas 1, Compressed gas; H220 H280 | | | |
| 74-98-6 | propane | | | 10 - < 15 % |
| | 200-827-9 | | 01-2119486944-21 | |
| | Flam. Gas 1A, Compressed gas; H220 H280 | | | |
| 61789-86-4 | calcium sulfonate | | | 5 - < 10 % |
| | 263-093-9 | | 01-2119488992-18 | |
| | Skin Sens. 1B; H317 | | | |
| 1474044-79-5 | Naphthalenesulfonic acid, di-C9-rich C8-10-branched alkyl derivs., calcium salts | | | 1 - < 5 % |
| | 939-717-7 | | 01-2119980985-16 | |
| | Skin Irrit. 2, Eye Irrit. 2; H315 H319 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|-----------|--|-------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| | 919-446-0 | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | 15 - < 20 % |
| | | dermal: LD50 = >3400 mg/kg; oral: LD50 = >15000 mg/kg | |
| | 919-857-5 | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | 15 - < 20 % |
| | | inhalation: LC50 = 5000 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| | 927-241-2 | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | 15 - < 20 % |
| | | inhalation: LC50 = >5000 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg | |
| 61789-86-4 | 263-093-9 | calcium sulfonate | 5 - < 10 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = 5000 mg/kg Skin Sens. 1B; H317: >= 10 - 100 | |

Further Information

Hydrocarbons meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w) DMSO extract (IP 346)).

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. If unconscious but breathing normally, place in recovery position and seek medical advice.

After contact with skin

Wash with plenty of water/Soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a physician immediately.

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

Disorientation Nausea, Dizziness, Headache.

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

No further relevant information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂), Foam, Extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air.
In case of fire may be liberated: Gases/vapours, toxic

5.3. Advice for firefighters

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

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove all sources of ignition.
Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin, eyes and clothes.
Use personal protection equipment.

For emergency responders

For further specification, refer to section 8 of the SDS.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment.
Do not allow to enter into surface water or drains.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

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For containment

- Prevent spread over a wide area (e.g. by containment or oil barriers).
- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

- Provide adequate ventilation.
- Clear contaminated areas thoroughly.
- Do not rinse down with water.

Other information

- No information available.

6.4. Reference to other sections

- Safe handling: see section 7
- Personal protection equipment: see section 8
- Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

- If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

- Keep away from sources of ignition - No smoking.
- Take precautionary measures against static discharges.
- Vapours can form explosive mixtures with air.

Advice on general occupational hygiene

- The usual precautionary measures are to be adhered to when handling chemicals.
- Keep away from food, drink and animal feedingstuffs.
- Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.
- Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

- Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

- Not required.

Further information on storage conditions

- Keep container tightly closed.

7.3. Specific end use(s)

- No further relevant information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|-----------|-----|-------------------|-----------|---------------|--------|
| 106-97-8 | Butane | 600 | 1450 | | TWA (8 h) | WEL |
| | | 750 | 1810 | | STEL (15 min) | WEL |

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---|----------------|--------------------------|-------|
| | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | | | |
| Worker DNEL, long-term | inhalation | systemic | 330 mg/m ³ | |
| Worker DNEL, long-term | dermal | systemic | 44 mg/kg bw/day | |
| Consumer DNEL, long-term | inhalation | systemic | 71 mg/m ³ | |
| Consumer DNEL, long-term | dermal | systemic | 26 mg/kg bw/day | |
| Consumer DNEL, long-term | oral | systemic | 26 mg/kg bw/day | |
| | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | |
| Consumer DNEL, long-term | oral | systemic | 125 mg/kg bw/day | |
| Worker DNEL, long-term | dermal | systemic | 208 mg/kg bw/day | |
| Consumer DNEL, long-term | dermal | systemic | 125 mg/kg bw/day | |
| Worker DNEL, long-term | inhalation | systemic | 871 mg/m ³ | |
| Consumer DNEL, long-term | inhalation | systemic | 185 mg/m ³ | |
| | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | |
| Worker DNEL, long-term | inhalation | systemic | 871 mg/m ³ | |
| Worker DNEL, long-term | dermal | systemic | 77 mg/kg bw/day | |
| Consumer DNEL, long-term | inhalation | systemic | 185 mg/m ³ | |
| Consumer DNEL, long-term | dermal | systemic | 46 mg/kg bw/day | |
| Consumer DNEL, long-term | oral | systemic | 46 mg/kg bw/day | |
| 61789-86-4 | calcium sulfonate | | | |
| Worker DNEL, long-term | dermal | systemic | 3,33 mg/kg bw/day | |
| Worker DNEL, long-term | dermal | local | 1,03 mg/cm ² | |
| Consumer DNEL, long-term | inhalation | systemic | 2,9 mg/m ³ | |
| Consumer DNEL, long-term | dermal | systemic | 1,667 mg/kg bw/day | |
| Consumer DNEL, long-term | dermal | local | 0,513 mg/cm ² | |
| Consumer DNEL, long-term | oral | systemic | 0,8333 mg/kg bw/day | |
| Worker DNEL, long-term | inhalation | systemic | 11,75 mg/m ³ | |

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PNEC values

| CAS No | Substance | |
|------------|--|-----------------|
| | Environmental compartment | Value |
| 61789-86-4 | calcium sulfonate | |
| | | |
| | Freshwater | 1 mg/l |
| | Marine water | 1 mg/l |
| | Freshwater sediment | 226000000 mg/kg |
| | Marine sediment | 226000000 mg/kg |
| | Secondary poisoning | 16667 mg/kg |
| | Micro-organisms in sewage treatment plants (STP) | 1000 mg/l |
| | Soil | 271000000 mg/kg |

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

Eye/face protection

Eye glasses with side protection (EN 166)

Hand protection

Tested protective gloves must be worn (EN ISO 374):

FKM (fluoro rubber) penetration time (maximum wearing period): 480 min.

NBR (Nitrile rubber) penetration time (maximum wearing period): 480 min.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protect skin by using skin protective cream.

Skin protection

Wear anti-static footwear and clothing

Respiratory protection

Work in well-ventilated zones or use proper respiratory protection.

gas filtering equipment (EN 141), Filter material/medium: AX (short-term)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|---|-------------------|----------------|
| Physical state: | Aerosol | |
| Colour: | transparent beige | |
| Odour: | characteristic | |
| Odour threshold: | not determined | |
| Melting point/freezing point: | | not determined |
| Boiling point or initial boiling point and boiling range: | | -42 °C |
| Flammability: | | not applicable |

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| | |
|--|--|
| Lower explosion limits: | 0,6 vol. % |
| Upper explosion limits: | 10,9 vol. % |
| Flash point: | < -20 °C |
| Auto-ignition temperature: | > 200 °C |
| Decomposition temperature: | not determined |
| pH-Value: | The study does not need to be conducted because the substance is known to be insoluble in water. |
| Viscosity / kinematic: | not determined |
| Water solubility: | not applicable |
| Solubility in other solvents | not determined |
| Partition coefficient n-octanol/water: | not determined |
| Vapour pressure: | 8300 hPa |
| (at 20 °C) | |
| Density (at 20 °C): | 0,736 g/cm³ |
| Relative vapour density: | not determined |

9.2. Other information

Information with regard to physical hazard classes

| | |
|---------------------------|-------------------|
| Explosive properties | not determined |
| Sustaining combustion: | No data available |
| Self-ignition temperature | |
| Solid: | not applicable |
| Gas: | not applicable |
| Oxidizing properties | |
| Not oxidising. | |

Other safety characteristics

| | |
|--------------------------|----------------|
| Evaporation rate: | not determined |
| Solvent separation test: | not determined |
| Solvent content: | 70,2 % |
| Solid content: | 30,7% |
| Viscosity / dynamic: | not determined |

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

Carbon monoxide

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation gas) > 20000 ppm

| CAS No | Chemical name | | | | |
|------------|---|-------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | | | | |
| | oral | LD50 >15000 mg/kg | Rat | | |
| | dermal | LD50 >3400 mg/kg | Rat | | |
| | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | | |
| | dermal | LD50 > 5000 mg/kg | Rabbit | | |
| | inhalation (4 h) vapour | LC50 5000 mg/l | Rat | | |
| | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | | |
| | oral | LD50 >5000 mg/kg | Rat | | |
| | dermal | LD50 >5000 mg/kg | Rabbit | | |
| | inhalation vapour | LC50 >5000 mg/l | Rat | | |
| 61789-86-4 | calcium sulfonate | | | | |
| | oral | LD50 5000 mg/kg | Rat | | |
| | dermal | LD50 > 2000 mg/kg | Rat | | |

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

Sensitising effects

Based on available data, the classification criteria are not met.

Contains calcium sulfonate. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics; Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics)

STOT-repeated exposure

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Causes damage to organs through prolonged or repeated exposure. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

Endocrine disrupting potential No information available.

Further information

There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

| CAS No | Chemical name | | | | | |
|--------|---|--------------|-----------|---------|--|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | | | | | |
| | Acute fish toxicity | LL50 mg/l | 10-30 | 96 h | Oncorhynchus mykiss (Rainbow trout) | |
| | Acute algae toxicity | ErC50 | 4,6 mg/l | 72 h | Pseudokirchneriella subcapitata | |
| | Acute crustacea toxicity | EL50 mg/l | 10-22 | 48 h | Daphnia magna (Big water flea) | |

12.2. Persistence and degradability

The product has not been tested.

| CAS No | Chemical name | | | |
|--------|---|--------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | | | |
| | | 74,7 % | 28 | |
| | Leicht biologisch abbaubar | | | |
| | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | |
| | | 80% | | |
| | Readily biodegradable (according to OECD criteria). | | | |
| | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | |
| | OECD 301F | > 60 % | 28 | |
| | Leicht biologisch abbaubar (nach OECD-Kriterien). | | | |

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|---------|---------------|---------|
| 74-98-6 | propane | 2,36 |

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

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This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No further relevant information available.

Further information

There are no data available on the preparation/mixture itself.

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation. Do not mix with other wastes. Do not allow to enter into surface water or drains.

List of proposed waste codes/waste designations in accordance with EWC:

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Contaminated packaging

Remove according to the regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|--|----------|
| 14.1. UN number or ID number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2 |
| 14.4. Packing group: | - |
| Hazard label: | 2.1 |



| | |
|--------------------------|-----------------|
| Classification code: | 5F |
| Special Provisions: | 190 327 344 625 |
| Limited quantity: | 1 L |
| Excepted quantity: | E0 |
| Transport category: | 2 |
| Tunnel restriction code: | D |

Other applicable information (land transport)

E0

Inland waterways transport (ADN)

| | |
|--|----------|
| 14.1. UN number or ID number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2 |
| 14.4. Packing group: | - |
| Hazard label: | 2.1 |

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Classification code: 5F
Limited quantity: 1 L
Excepted quantity: E0

Marine transport (IMDG)

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



Marine pollutant: no
Special Provisions: 63, 190, 277, 327, 344, 959
Limited quantity: 1000 mL
Excepted quantity: E0
EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

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



Special Provisions: A145 A167 A802
Limited quantity Passenger: 30 kg G
Passenger LQ: Y203
Excepted quantity: E0
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

Other applicable information (air transport)

E0
Passenger-LQ: Y203

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Warning : gas

14.7. Maritime transport in bulk according to IMO instruments

not applicable

Other applicable information

SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1litre: Category A.
For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

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SG69 For AEROSOLS with a maximum capacity of 1litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 29, Entry 40, Entry 75

| | |
|--|--|
| Directive 2004/42/EC on VOC in paints and varnishes: | 70,18 % 516,5 g/l |
| Subcategory according to Directive 2004/42/EC: | Special finishes - All types, VOC limit value: 840 g/l |

| | |
|---|------------------------|
| Information according to Directive 2012/18/EU (SEVESO III): | P3a FLAMMABLE AEROSOLS |
|---|------------------------|

Additional information

Observe in addition any national regulations!

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

National regulatory information

| | |
|--------------------------|---|
| Employment restrictions: | Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. |
|--------------------------|---|

| | |
|-------------------------|-------------------------------|
| Water hazard class (D): | 3 - highly hazardous to water |
|-------------------------|-------------------------------|

Additional information

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

55214

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,8,9,12,15,16.

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Abbreviations and acronyms

Flam. Gas: Flammable gases
Aerosol: Aerosols
Compressed gas
Flam. Liq: Flammable liquids
Asp. Tox: Aspiration hazard
Skin Irrit: Skin irritation
Eye Irrit: Eye irritation
Skin Sens: Skin sensitisation
STOT SE: Specific target organ toxicity - single exposure
STOT RE: Specific target organ toxicity - repeated exposure
Aquatic Chronic: Chronic aquatic hazard
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|-------------------------|-------------------------------|
| Aerosol 1; H222-H229 | On basis of test data |
| STOT SE 3; H336 | Bridging principle "Aerosols" |
| STOT RE 1; H372 | Bridging principle "Aerosols" |
| Aquatic Chronic 3; H412 | Calculation method |

Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H226 Flammable liquid and vapour.
H229 Pressurised container: May burst if heated.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains calcium sulfonate. May produce an allergic reaction.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)