

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 21 May 2021

Print date: 25 May 2021

Version: 0.1

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

1.1. Product identifier

Trade name/designation:

REDOCOL Modeling spatula

Article No.:

MO10200

UFI:

NR7W-S028-U000-03J4

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

No data available

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Ostermann UK Ltd

Stonebridge Cross Business Park

Unit 104 Pointon Way

WR9 0LW Droitwich

United Kingdom

Telephone: UK +44 (0) 1905 793 550, Ireland +44 (0) 1905 793 552

Telefax: +44 (0) 1905 793 559

E-mail: UK sales.uk@ostermann.eu, Ireland sales.ie@ostermann.eu

Website: www.ostermann.eu

E-mail (competent person): j.bruns@ostermann.eu

1.4. Emergency telephone number

UK: Mr. J. Bruns +44 1905 793 550 IR: Mr. J. Bruns +44 1905 793 552, 24h: +49 30 - 30 68 67 00 (National Poison Inform. Centre Berlin) , UK +44 1905 793 550/ IR +44 (0)1905 793 552 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|---|--------------------------|
| flammable liquids (<i>Flam. Liq. 3</i>) | H226: Flammable liquid and vapour. | |
| Skin corrosion/irritation (<i>Skin Irrit. 2</i>) | H315: Causes skin irritation. | |
| Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>) | H319: Causes serious eye irritation. | |
| Reproductive toxicity (<i>Repr. 2</i>) | H361d: Suspected of damaging the unborn child. | |
| STOT-repeated exposure (<i>STOT RE 1</i>) | H372: Causes damage to organs through prolonged or repeated exposure. (...) | |

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark



GHS08
Health hazard

Signal word: Danger

Hazard statements for physical hazards

| | |
|------|------------------------------|
| H226 | Flammable liquid and vapour. |
|------|------------------------------|

hazard statements for health hazards

| | |
|------|-------------------------|
| H315 | Causes skin irritation. |
|------|-------------------------|

| | |
|------|--------------------------------|
| H319 | Causes serious eye irritation. |
|------|--------------------------------|

| | |
|-------|---|
| H361d | Suspected of damaging the unborn child. |
|-------|---|

| | |
|------|---|
| H372 | Causes damage to organs through prolonged or repeated exposure. (...) |
|------|---|

Precautionary statements

| | |
|------|--------------------------------|
| P102 | Keep out of reach of children. |
|------|--------------------------------|

Precautionary statements Prevention

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

| | |
|------|---|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/.... |
|------|---|

Precautionary statements Response

| | |
|--------------------|--|
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
|--------------------|--|

| | |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|--------------------|--|

| | |
|-------------|--|
| P308 + P313 | IF exposed or concerned: Get medical advice/attention. |
|-------------|--|

Precautionary statements Disposal

| | |
|------|---------------------------------------|
| P501 | Dispose of contents/container to |
|------|---------------------------------------|

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description:

Mixture of following listed substances with nonhazardous additions.

Hazardous ingredients / Hazardous impurities / Stabilisers:

| product identifiers | Substance name Classification according to Regulation (EC) No 1272/2008 [CLP] | Concentration |
|--|---|---------------|
| CAS No.: 100-42-5 EC No.: 202-851-5 | styrene Acute Tox. 4, Eye Irrit. 2, Flam. Liq. 3, Repr. 2, STOT RE 1, Skin Irrit. 2 Danger H226-H315-H319-H332-H361d-H372 | 25 - 50 % |

Full text of H- and EUH-phrases: see section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

Self-protection of the first aider

Following inhalation:

Provide fresh air. IF exposed or concerned: Get medical advice/attention.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. If eye irritation persists: Get medical advice/attention.

Following ingestion:

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Get medical advice/attention.

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

No further relevant information available.

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), Extinguishing powder, Water spray jet.

In case of fire: Use sand, extinguishing powder or alcohol-resistant foam to extinguish.

Unsuitable extinguishing media:

Full water jet.

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Do not inhale explosion and combustion gases.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

Protective equipment.

Emergency procedures:

Escape route

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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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

Protective measures

Fire prevent measures:

Keep away from sources of ignition - No smoking.

Measures to prevent aerosol and dust generation:

Provide adequate ventilation as well as local exhaustion at critical locations.

Environmental precautions:

Cover drains.

7.2. Conditions for safe storage, including any incompatibilities

Packaging materials:

Keep container tightly closed.

Avoid high temperatures or direct sunlight.

Requirements for storage rooms and vessels:

Provide for retaining containers, e.g. floor pan without outflow.

Hints on storage assembly:

Keep away from: Oxidizing agent.

Storage class (TRGS 510, Germany): 3 - Flammable liquids

7.3. Specific end use(s)

Recommendation:

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

| Limit value type (country of origin) | Substance name | ① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark |
|--------------------------------------|---|--|
| IE | styrene CAS No.: 100-42-5 EC No.: 202-851-5 | ① 20 ppm (85 mg/m ³) ② 40 ppm (170 mg/m ³) |
| WEL (GB) | styrene CAS No.: 100-42-5 EC No.: 202-851-5 | ① 100 ppm (430 mg/m ³) ② 250 ppm (1,080 mg/m ³) |

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

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8.2.2. Personal protection equipment



Eye/face protection:

DIN EN 166

Skin protection:

Tested protective gloves must be worn. EN ISO 374. When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Recommended material: NBR (Nitrile rubber), Thickness of the glove material: >0,4 mm.

Permeation time (maximum wear duration): Observe instructions for use.

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. Filter type: A2

Other protection measures:

Keep away from: Food and feedingstuffs,

Wash hands before breaks and after work.

Do not breathe gas/fumes/vapour/spray.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: viscous

Colour: various

Odour: characteristic

Safety relevant basis data

| parameter | | at °C | Method | Remark |
|--|------------------------|-------|--------|---|
| pH | <i>not determined</i> | | | |
| Melting point | <i>not determined</i> | | | |
| Freezing point | <i>not determined</i> | | | |
| Initial boiling point and boiling range | 145 °C | | | MSDS Distributor |
| Decomposition temperature | <i>not determined</i> | | | |
| Flash point | 34 °C | | | MSDS Distributor |
| Evaporation rate | <i>not determined</i> | | | |
| Auto-ignition temperature | 480 °C | | | MSDS Distributor |
| Upper/lower flammability or explosive limits | 1.2 - 8.9 Vol-% | | | The product is not explosive, however, formation of explosive / ignitable vapor / air mixtures is possible. |
| Vapour pressure | 7 hPa | 20 °C | | MSDS Distributor |
| Vapour density | <i>not determined</i> | | | |
| Density | 1.11 g/cm ³ | 20 °C | | MSDS Distributor |
| Relative density | <i>not determined</i> | | | |
| Bulk density | <i>not determined</i> | | | |
| Water solubility | Immiscible | | | MSDS Distributor |
| Partition coefficient: n-octanol/water | <i>not determined</i> | | | |
| Dynamic viscosity | <i>not determined</i> | | | |
| Kinematic viscosity | <i>not determined</i> | | | |

9.2. Other information

No data available

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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

No further relevant information available.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Acute dermal toxicity:

Causes skin irritation.

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

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

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:

Suspected of damaging the unborn child.

STOT-single exposure:

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

STOT-repeated exposure:

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

Aspiration hazard:

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

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

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

12.2. Persistence and degradability

Abiotic degradation:

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

Biodegradation:

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

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12.3. Bioaccumulative potential

Accumulation / Evaluation:

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

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Non-contaminated packages may be recycled.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

| | |
|------------|--|
| 08 04 09 * | Waste adhesives and sealants containing organic solvents or other dangerous substances |
|------------|--|

*: Evidence for disposal must be provided.

Waste code packaging:

| | |
|------------|--|
| 15 01 10 * | packaging containing residues of or contaminated by dangerous substances |
|------------|--|

*: Evidence for disposal must be provided.

Waste treatment options





Appropriate disposal / Package:

Non-contaminated packages may be recycled.

Other disposal recommendations:

Return to Distributor.

SECTION 14: Transport information

| Land transport (ADR/ RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO- TI / IATA-DGR) |
|--|--|--|--|
| 14.1. UN number or ID number | | | |
| UN 1263 | UN 1263 | UN 1263 | UN 1263 |
| 14.2. UN proper shipping name | | | |
| PAINT (Styrene) | PAINT (Styrene) | PAINT (Styrene) | PAINT (Styrene) |
| 14.3. Transport hazard class(es) | | | |
|  3 |  3 |  3 |  3 |
| 14.4. Packing group | | | |
| III | III | III | III |
| 14.5. Environmental hazards | | | |
| No data available | | | |

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| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|--|---|--|---|
| 14.6. Special precautions for user | | | |
| Special provisions: Limited quantity (LQ): 5 L Excepted Quantities (EQ): E1 Hazard identification number (Kemler No.): 30 Classification code: - tunnel restriction code: (D/E) Remark: | Special provisions: Excepted Quantities (EQ): Classification code: - Remark: | Special provisions: 5L Limited quantity (LQ): E1 Excepted Quantities (EQ): EmS-No.: F-E, S-D Remark: SW1 Protected from sources of heat. | Special provisions: 5L Limited quantity (LQ): E1 Excepted Quantities (EQ): Remark: Flammable liquids |

14.7. Maritime transport in bulk according to IMO instruments

not determined

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Restrictions on use:

Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions): 3.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: P5c FLAMMABLE LIQUIDS.

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive], Hazard categories:

- P5a Flammable Liquids, Category 1 or 2
- P5b Flammable liquids
- P5c Flammable liquids of Categories 2 or 3, not covered by P5a and P5b

VOC content: 0%.

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

16.3. Key literature references and sources for data

No data available

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16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|---|--------------------------|
| flammable liquids (<i>Flam. Liq. 3</i>) | H226: Flammable liquid and vapour. | |
| Skin corrosion/irritation (<i>Skin Irrit. 2</i>) | H315: Causes skin irritation. | |
| Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>) | H319: Causes serious eye irritation. | |
| Reproductive toxicity (<i>Repr. 2</i>) | H361d: Suspected of damaging the unborn child. | |
| STOT-repeated exposure (<i>STOT RE 1</i>) | H372: Causes damage to organs through prolonged or repeated exposure. (...) | |

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

| Hazard statements | |
|-------------------|---|
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H361d | Suspected of damaging the unborn child. |
| H372 | Causes damage to organs through prolonged or repeated exposure. (...) |

16.6. Training advice

No data available

16.7. Additional information

No data available