



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

EVO-STIK FIRE CEMENT 1200 BLACK
Supersedes Date: 24-Jun-2021

Revision date 06-Jan-2023
Revision Number 1.01

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

1.1. Product identifier

Product Name EVO-STIK FIRE CEMENT 1200 BLACK

Other means of identification

Pure substance/mixture Mixture

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

Recommended use Sealant

Uses advised against None known

1.3. Details of the supplier of the safety data sheet

| Company Name | Supplier |
|---|--|
| Bostik Espana par Compositor Stravinsky, 12-18 Poligone Industrial Can Jordi 08191 Rubi (Barcelona), Spain Tel: +34 93 586 02 00 Fax: +34 93 586 02 01 | Bostik Industries Limited Newtown, Swords Co. Dublin Ireland Tel: +353 (1) 8624900 Fax: +353 (1) 8402186 |

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

| | |
|--------------------------------|---|
| Emergency Telephone Ireland | NPIC - National Poison Information Centre Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week) Healthcare Professionals: +353 (01) 8092566 (24 hour service) |
| United Kingdom | Bostik: +44 (1785) 272650 |
| Europe | 112 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|-----------------------------------|---------------------|
| Skin corrosion/irritation | Category 2 - (H315) |
| Serious eye damage/eye irritation | Category 1 - (H318) |

2.2. Label elements

Contains Silicic acid, sodium salt (MR >1.6-2.6)

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Signal word
Danger

Hazard statements

H315 - Causes skin irritation
H318 - Causes serious eye damage

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P280 - Wear protective gloves and eye/face protection
P264 - Wash face, hands and any exposed skin thoroughly after handling
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P362 + P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

No information available.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

| Chemical name | EC No (EU Index No). | CAS No. | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) | REACH registration number |
|--|----------------------|------------|---|------------------------------------|----------|----------------------|---------------------------|
| Crystobalite >25 - <40 % | 238-455-4 | 14464-46-1 | [B] | - | - | - | - |
| Silicic acid, sodium salt (MR >1.6-2.6) 10 - <20 % | 215-687-4 | 1344-09-8 | STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) | - | - | - | 01-2119448725-31-XXXX |
| Quartz (fine fraction) 1 - <5 % | 238-878-4 | 14808-60-7 | STOT RE 1 (H372) | - | - | - | [5] |
| Quartz 0.1 - <0.3 % | 238-878-4 | 14808-60-7 | [B] | - | - | - | [5] |

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

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NOTE [5] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex V of REACH

Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes
[B] - Substance with a Community workplace exposure limit

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name | EC No (EU Index No) | CAS No | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapour - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|---|---------------------|------------|-----------------|-------------------|---|--|--------------------------------------|
| Crystobalite | 238-455-4 | 14464-46-1 | - | - | - | - | - |
| Silicic acid, sodium salt (MR >1.6-2.6) | 215-687-4 | 1344-09-8 | - | - | - | - | - |
| Quartz (fine fraction) | 238-878-4 | 14808-60-7 | - | - | - | - | - |
| Quartz | 238-878-4 | 14808-60-7 | - | - | - | - | - |

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---|--|
| General advice | If medical advice is needed, have product container or label at hand. |
| Inhalation | Remove to fresh air. Get medical attention immediately if symptoms occur. |
| Eye contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult an ophthalmologist. |
| Skin contact | Wash off immediately with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. |
| Ingestion | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor or poison control centre immediately. |
| Self-protection of the first aider | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). |

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

Symptoms Irritating to skin. Burning sensation.

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

Note to doctors No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product itself does not burn.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent product from entering drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Methods for containment Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Use personal protection equipment. Avoid contact with skin, eyes or clothing.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Protect from frost. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

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Specific use(s)
 Sealant.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | European Union | Ireland | United Kingdom |
|--|---------------------------------|---|---|
| Crystobalite 14464-46-1 | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ | TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ |
| Kaolin 1332-58-7 | - | TWA: 2 mg/m ³ | TWA: 2 mg/m ³ STEL: 6 mg/m ³ |
| Silicic acid, sodium salt (MR >1.6-2.6) 1344-09-8 | 15 min TWA Mg/m ³ | - | |
| Quartz (fine fraction) 14808-60-7 | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ | TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ |
| Quartz 14808-60-7 | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ | TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ |

Derived No Effect Level (DNEL) No information available

| Derived No Effect Level (DNEL) | | | |
|---|----------------|--------------------------------|---------------|
| Silicic acid, sodium salt (MR >1.6-2.6) (1344-09-8) | | | |
| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker Long term Systemic health effects | Inhalation | 5.61 mg/m ³ | |
| worker Long term Systemic health effects | Dermal | 1.59 mg/kg bw/d | |

Quartz (14808-60-7)

| Derived No Effect Level (DNEL) | | | |
|---|----------------|--------------------------------|---------------|
| Silicic acid, sodium salt (MR >1.6-2.6) (1344-09-8) | | | |
| Type | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer Long term Systemic health effects | Inhalation | 1.38 mg/m ³ | |
| Consumer Long term Systemic health effects | Dermal | 0.8 mg/kg bw/d | |
| Consumer Long term Systemic health effects | Oral | 0.8 mg/kg bw/d | |

Quartz (fine fraction) (14808-60-7)

Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)
 Crystobalite (14464-46-1)

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| Silicic acid, sodium salt (MR >1.6-2.6) (1344-09-8) | |
|---|--|
| Environmental compartment | Predicted No Effect Concentration (PNEC) |
| Freshwater | 7.5 mg/l |
| Marine water | 1 mg/l |
| Sewage treatment plant | 348 mg/l |

Quartz (fine fraction) (14808-60-7)

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas. Ensure that enough fresh air is supplied to dilute and remove dusts, fumes or vapours. Between 5 and 15 air changes per hour are recommended, with a through draught.

Personal protective equipment

Eye/face protection

Hand protection

Goggles. or. Face protection shield. Eye protection must conform to standard EN 166
Wear suitable gloves. Recommended Use: Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min. Gloves must conform to standard EN 374

Skin and body protection

Respiratory protection

Wear suitable protective clothing.
Provide adequate ventilation.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------------|--------------------------|
| Physical state | Solid |
| Appearance | Paste |
| Colour | Black |
| Odour | Characteristic. |
| Odour threshold | No information available |

| Property | Values | Remarks • Method |
|--|-------------------------------|-------------------------|
| Melting point / freezing point | 0 °C | |
| Initial boiling point and boiling range | 100 °C | |
| Flammability | No data available | |
| Flammability Limit in Air | | None known |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Flash point | No data available | |
| Autoignition temperature | No data available | |
| Decomposition temperature | | None known |
| pH | ca. 12.5 | |
| pH (as aqueous solution) | No data available | |
| Kinematic viscosity | > 21 mm ² /s | @ 40 °C |
| Dynamic viscosity | No data available | |
| Water solubility | Miscible in water. | |
| Solubility(ies) | No data available | |
| Partition coefficient | No data available | |
| Vapour pressure | 23 | hPa |
| Relative density | 2 | |
| Bulk Density | No data available | |
| Liquid Density | 1.95 - 2.05 g/cm ³ | |
| Relative vapour density | No data available | |
| Particle characteristics | | |
| Particle Size | No information available | |

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Particle Size Distribution No information available

9.2. Other information

Solid content (%) No information available
VOC content No data available

9.2.1. Information with regards to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under recommended storage conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Protect from frost.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

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

Eye contact Causes serious eye damage.

Skin contact Causes skin irritation.

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

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Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---------------------------------|--------------------------------------|-----------------|
| Silicic acid, sodium salt (MR >1.6-2.6) | =3400 mg/kg (Rattus) (OECD 401) | > 4640 mg/kg (Oryctolagus cuniculus) | - |
| Quartz (fine fraction) | >2000 mg/kg (Rattus) | - | - |
| Quartz | >2000 mg/kg (Rattus) | - | - |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye damage. Causes burns.

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

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea | M-Factor | M-Factor (long-term) |
|---|----------------------|---|----------------------------|---------------------------------------|----------|----------------------|
| Silicic acid, sodium salt (MR >1.6-2.6) 1344-09-8 | - | LC50 96 h 301 - 478 mg/L (Lepomis macrochirus) | - | EC50 96 h = 216 mg/L (Daphnia magna) | | |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

| Chemical name | PBT and vPvB assessment |
|---|---|
| Silicic acid, sodium salt (MR >1.6-2.6) | The substance is not PBT / vPvB PBT assessment does not apply |

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Handle contaminated packages in the same way as the product itself.

European Waste Catalogue 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

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Note: Keep from freezing.

Land transport (ADR/RID)

| | |
|---------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 Proper Shipping Name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special Provisions | None |

IMDG

| | |
|--|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 Proper Shipping Name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Marine pollutant | NP |
| 14.6 Special Provisions | None |
| 14.7 Maritime transport in bulk according to IMO instruments | Not applicable |

Air transport (ICAO-TI / IATA-DGR)

| | |
|---------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 Proper Shipping Name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special Provisions | None |

Section 15: REGULATORY INFORMATION

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

European Union

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

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

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Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

Persistent Organic Pollutants
Not applicable

National regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H372 - Causes damage to organs through prolonged or repeated exposure

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE: Specific target organ toxicity - Repeated exposure

STOT SE: Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA: International Air Transport Association

ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

Legend SECTION 8: Exposure controls/personal protection

| | | | |
|---------|-----------------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| AGW | Occupational exposure limit value | BGW | Biological limit value |
| Ceiling | Maximum limit value | * | Skin designation |

| Classification procedure | |
|---|-----------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
| Acute oral toxicity | Calculation method |
| Acute dermal toxicity | Calculation method |
| Acute inhalation toxicity - gas | Calculation method |
| Acute inhalation toxicity - Vapour | Calculation method |
| Acute inhalation toxicity - dust/mist | Calculation method |
| Skin corrosion/irritation | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Respiratory sensitisation | Calculation method |
| Skin sensitisation | Calculation method |
| mutagenicity | Calculation method |
| Carcinogenicity | Calculation method |
| Reproductive toxicity | Calculation method |
| STOT - single exposure | Calculation method |
| STOT - repeated exposure | On basis of test data |
| Acute aquatic toxicity | Calculation method |

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| | |
|--------------------------|--------------------|
| Chronic aquatic toxicity | Calculation method |
| Aspiration hazard | Calculation method |
| Ozone | Calculation method |

Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGl(s))
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
NIOSH (National Institute for Occupational Safety and Health)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set

| | |
|----------------------------|---|
| Prepared By | Product Safety & Regulatory Affairs |
| Revision date | 06-Jan-2023 |
| Revision note | SDS sections updated 3 |
| Training Advice | When working with hazardous materials, regular training of operators is required by law |
| Further information | No information available |

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

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet