

Safety Data Sheet

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



DUOLIGHT MÖRTEL

Version number: GHS 1.0
Replaces version of:

Date of compilation:
10/10/2022

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

1.1 Product identifier

| | |
|--|---|
| Trade name | DUOLIGHT MÖRTEL |
| Registration number (REACH) | not relevant (mixture) |
| Unique formula identifier (UFI) | UFI: 3J3H-1910-099D-6AFJ as indicated on the label / delivery note |

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

| | |
|---------------------------------|--|
| Relevant identified uses | Mortar Observe technical data sheet |
| Uses advised against | Observe technical data sheet |

1.3 Details of the supplier of the safety data sheet

Baumit GmbH
Wopfing 156
A-2754 Waldegg
Austria

Telephone: **+43 (0)501 888 0**
e-mail: **office@baumit.com**

e-mail (competent person) office@baumit.com

1.4 Emergency telephone number

| Poison centre | | | |
|---------------|---|----------------------|---------------------|
| Country | Name | Postal code/ city | Telephone |
| Austria | Vergiftungsinformationszentrale an der 1. Medizinischen Universitätsklinik 24h Notruf Mo-So | 1090 Wien | +43 (0)1 4064 343-0 |

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

| Section | Hazard class | Cat-egory | Hazard class and category | Hazard statement |
|---------|---|-----------|---------------------------|------------------|
| 3.2 | skin corrosion/irritation | 2 | Skin Irrit. 2 | H315 |
| 3.3 | serious eye damage/eye irritation | 1 | Eye Dam. 1 | H318 |
| 3.8R | specific target organ toxicity - single exposure (respiratory tract irritation) | 3 | STOT SE 3 | H335 |

For full text of abbreviations: see SECTION 16.

2.2 Label elements

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

- **Signal word:** danger

- **Pictograms:**

GHS05, GHS07



- **Hazard statements:**

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

- **Precautionary statements:**

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P260 Do not breathe dust.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Hazardous ingredients for labelling:** Portland cement clinker (a), Calciumdihydroxid Ca(OH)_2 , Flue Dust (b)

2.3 Other hazards

Of no significance.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

Description of the mixture

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms |
|--|--|-----------|---|---|
| Portland cement clinker (a) | CAS No 65997-15-1 EC No 266-043-4 | 50 – < 75 | Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1 / H317 STOT SE 3 / H335 |   |
| Calciumdihydroxid Ca(OH) ₂ | CAS No 1305-62-0 EC No 215-137-3 REACH Reg. No 01-2119475151- 45-xxxx 01-2119862018- 38-xxxx | 3 – < 5 | Skin Irrit. 2 / H315 Eye Dam. 1 / H318 STOT SE 3 / H335 |   |
| Flue Dust (b) | CAS No 68475-76-3 EC No 270-659-9 REACH Reg. No 01-2119486767- 17-xxxx | < 1 | Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1B / H317 STOT SE 3 / H335 |   |

(a) Portland Cement Clinker is exempt from registration under Article 2.7 (b) and Annex V.10 of Regulation (EC) No 1907/2006 (REACH). C&L notification No. 02-2119682167-31-0000 (Notification update of July 1, 2013 - Submission of Report No. QJ420702-40). For full text of abbreviations: see SECTION 16

SECTION 4: First aid measures

4.1 Description of first aid measures

- General notes

Avoid contact with skin and eyes.

Avoid breathing dust.

Prevent skin contact.

In all cases of doubt, or when symptoms persist, seek medical advice.

- Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

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- Following skin contact

Rinse skin with water/shower.

In all cases of doubt, or when symptoms persist, seek medical advice.

- Following eye contact

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical advice immediately.

- Following ingestion

Rinse mouth with water (only if the person is conscious).

Do NOT induce vomiting.

Call a POISON CENTER.

4.2 Most important symptoms and effects, both acute and delayed

Risk of serious damage to eyes.

Extended inhalation at levels above the occupational exposure limit values can cause irreversible damage to the lungs.

4.3 Indication of any immediate medical attention and special treatment needed

There is no additional information.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media

Non-combustible.

- Unsuitable extinguishing media

Not relevant.

5.2 Special hazards arising from the substance or mixture

None.

Not dust explosion capable.

Non-combustible.

5.3 Advice for firefighters

Non-combustible.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

- For emergency responders

[In case of inadequate ventilation] wear respiratory protection.

6.2 Environmental precautions

Keep away from drains, surface and ground water (PH (value))

Disposal considerations: see section 13.

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6.3 Methods and material for containment and cleaning up

- Advice on how to contain a spill

Collect spillage.
Use appropriate container to avoid environmental contamination.
Wet clean or vacuum up solids.
Don't use a brush or compressed air for cleaning surfaces or clothing.

- Advice on how to clean up a spill

Take up mechanically.

- Other information relating to spills and releases

Place in appropriate containers for disposal.

6.4 Reference to other sections

See also to sections 8 and 13 of the safety data sheet. Section 7.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Recommendations

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

- Measures to prevent fire as well as aerosol and dust generation

Non-combustible.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room.

- Handling of incompatible substances or mixtures

Do not mix with other chemicals.

- Advice on general occupational hygiene

Wash hands after use.
Do not eat, drink and smoke in work areas.
Remove contaminated clothing and protective equipment before entering eating areas.
Never keep food or drink in the vicinity of chemicals.
Never place chemicals in containers that are normally used for food or drink.

7.2 Conditions for safe storage, including any incompatibilities

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

Removal of dust deposits.

7.3 Specific end use(s)

See section 16 for a general overview.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

| Occupational exposure limit values (Workplace Exposure Limits) | | | | | | | | | | | |
|--|-------------------------------------|------------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|-------------|
| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m ³] | STEL [ppm] | STEL [mg/m ³] | Ceiling-C [ppm] | Ceiling-C [mg/m ³] | Notation | Source |
| AT | biologically inert suspended solids | | MAK | | 10 | | 20 (60 min) | | | i | GKV |
| AT | biologically inert suspended solids | | MAK | | 5 | | 10 (60 min) | | | r | GKV |
| AT | calcium dihydroxide | 1305-62-0 | MAK | | 1 | | | | 4 (5 min) | i | GKV |
| AT | portland cement | 65997-15-1 | MAK | | 5 | | | | | i, dust | GKV |
| AT | portland cement | 68475-76-3 | MAK | | 5 | | | | | i, dust | GKV |
| AT | calcium sulfate | 7778-18-9 | MAK | | 5 | | 10 (60 min) | | | r | GKV |
| EU | calcium dihydroxide | 1305-62-0 | IOELV | | 1 | | 4 | | | r | 2017/164/EU |

Notation

| | |
|-----------|--|
| Ceiling-C | ceiling value is a limit value above which exposure should not occur |
| dust | as dust |
| i | inhalable fraction |
| r | respirable fraction |
| STEL | short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified) |
| TWA | time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified) |

Relevant DNELs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---------------------------------------|------------|-----------|------------------------|------------------------------------|-------------------|-------------------------|
| Calciumdihydroxid Ca(OH) ₂ | 1305-62-0 | DNEL | 1 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| Calciumdihydroxid Ca(OH) ₂ | 1305-62-0 | DNEL | 4 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |
| Flue Dust (b) | 68475-76-3 | DNEL | 0.84 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |

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Relevant DNELs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|-------------------|------------|-----------|---------------------|------------------------------------|-------------------|-----------------------|
| Flue Dust (b) | 68475-76-3 | DNEL | 4 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |

Relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---------------------------------------|------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Calciumdihydroxid Ca(OH) ₂ | 1305-62-0 | PNEC | 0.49 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Calciumdihydroxid Ca(OH) ₂ | 1305-62-0 | PNEC | 0.32 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Calciumdihydroxid Ca(OH) ₂ | 1305-62-0 | PNEC | 3 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Calciumdihydroxid Ca(OH) ₂ | 1305-62-0 | PNEC | 1,080 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| Flue Dust (b) | 68475-76-3 | PNEC | 282 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| Flue Dust (b) | 68475-76-3 | PNEC | 28 µg/l | aquatic organisms | marine water | short-term (single instance) |
| Flue Dust (b) | 68475-76-3 | PNEC | 6 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Flue Dust (b) | 68475-76-3 | PNEC | 875 µg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Flue Dust (b) | 68475-76-3 | PNEC | 88 µg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Flue Dust (b) | 68475-76-3 | PNEC | 5 mg/kg | terrestrial organisms | soil | short-term (single instance) |

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8.2 Exposure controls

- Appropriate engineering controls

Use local and general ventilation

- Individual protection measures (personal protective equipment)



Wear eye/face protection



Wear protective gloves

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.



Safety footwear



Wear respiratory protection
Filtering half mask (EN 149)

- Environmental exposure controls

Avoid release to the environment. Refer to special instructions/safety data sheets. Before discharge of the waste water into a municipal waste water treatment facility the product normally needs to be neutralised.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | solid (powder) |
| Colour | grey |
| Odour | odourless |
| Melting point/freezing point | not determined |
| Boiling point or initial boiling point and boiling range | not determined |
| Flammability | non-combustible |
| Lower and upper explosion limit | not determined |
| Flash point | not applicable |
| Auto-ignition temperature | >400 °C |
| Decomposition temperature | not relevant |
| pH (value) | 12 – 13 (in aqueous solution: 80 % (w/w), 20 °C) (base) |
| Kinematic viscosity | not relevant |
| Solubility(ies) | not determined |

Partition coefficient

| | |
|--|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|--|-----------------------------------|

| | |
|------------------------|----------------|
| Vapour pressure | not determined |
|------------------------|----------------|

Density and/or relative density

| | |
|--------------------------------|---|
| Density | not determined |
| Relative vapour density | information on this property is not available |

| | |
|---------------------------------|-------------------|
| Particle characteristics | no data available |
|---------------------------------|-------------------|

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9.2 Other information

| | |
|---|--|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
|---|--|

Other safety characteristics

| | |
|------------------------|-------|
| Solvent content | 0 % |
| Solid content | 100 % |

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The product develops an alkaline pH value with moisture and can cause irritation. Reactivity with water.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Protect from moisture.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.5 Incompatible materials

Acids.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

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SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

- Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

- Classification according to GHS (1272/2008/EC, CLP)

- Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed or if inhaled.

- Skin corrosion/irritation

Causes skin irritation.

- Serious eye damage/eye irritation

Causes serious eye damage.

- Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

- Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

- Carcinogenicity

Shall not be classified as carcinogenic.

- Reproductive toxicity

Shall not be classified as a reproductive toxicant.

- Specific target organ toxicity - single exposure

May cause respiratory irritation.

- Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

- Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

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SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Wet clean or vacuum up solids.

- Waste codes/waste designations according to LoW:

10 13 14: Waste concrete and concrete sludge
17 01 01: Concrete

- Schlüsselnummer nach nationaler Abfallverzeichnisverordnung (ÖNORM S2100):

31607: Schlamm aus der Fertigmörtelherstellung (verfestigt)

- Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

- Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

- Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

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SECTION 14: Transport information

- | | |
|---|---|
| 14.1 UN number or ID number | not subject to transport regulations |
| 14.2 UN proper shipping name | not relevant |
| 14.3 Transport hazard class(es) | none |
| 14.4 Packing group | not assigned |
| 14.5 Environmental hazards | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 Special precautions for user | |
| There is no additional information. | |
| 14.7 Maritime transport in bulk according to IMO instruments | |
| The cargo is not intended to be carried in bulk. | |

Information for each of the UN Model Regulations

- Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information

Not subject to ADR, RID and ADN.

- International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

- International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

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SECTION 15: Regulatory information

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

- Relevant provisions of the European Union (EU)

- Restrictions according to REACH, Annex XVII

| Name of substance | Name acc. to inventory | No |
|-----------------------------|------------------------|----|
| Portland cement clinker (a) | chromium(VI) compounds | 47 |
| Flue Dust (b) | chromium(VI) compounds | 47 |

- List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

- Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

None of the ingredients are listed.

- Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

Water Framework Directive (WFD)

| Name of substance | Wt% |
|---------------------------------------|-----|
| Calciumdihydroxid Ca(OH) ₂ | 3 |

- Regulation on the marketing and use of explosives precursors

Not relevant.

- Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

- National regulations (Austria)

- Ordinance on combustible liquids (VbF)

Not applicable.

- National inventories

| Country | Inventory | Status |
|---------|------------|--------------------------------|
| EU | REACH Reg. | not all ingredients are listed |

Legend

REACH Reg. REACH registered substances

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|-------------|---|
| 2017/164/EU | Commission Directive establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU |
| ADN | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road) |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| Ceiling-C | Ceiling value |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| GKV | Grenzwerteverordnung |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| IOELV | Indicative occupational exposure limit value |
| LoW | List of Wastes |
| NLP | No-Longer Polymer |

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| Abbr. | Descriptions of used abbreviations |
|-------------|---|
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| Skin Sens. | Skin sensitisation |
| STEL | Short-term exposure limit |
| STOT SE | Specific target organ toxicity - single exposure |
| SVHC | Substance of Very High Concern |
| TWA | Time-weighted average |
| vPvB | Very Persistent and very Bioaccumulative |

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text |
|------|--------------------------------------|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

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End of safety data sheet.