

Safety Data Sheet

according to UK REACH Regulation

411920N5 COREXX Keramikpaste 100g

Revision date: 14.03.2024

Product code: 1107271

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

411920N5 COREXX Keramikpaste 100g

Further trade names

41195959

UFI:

N8R5-W0P6-100T-2TMR

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

Lubricant

1.3. Details of the supplier of the safety data sheet

Company name: ad-AUTOTEILE-CARGO GmbH & Co. KG

Street: Am Victoria-Turm 2

Place: D-68163 Mannheim

Telephone: +49 (0) 621 - 86080 - 0

Telefax: +49 (0) 621 - 86080 - 390

E-mail: info@carat-gruppe.de

1.4. Emergency telephone number:

111 NHS (National Health Service)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements**GB CLP Regulation****Precautionary statements**

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P501 Dispose of contents/container according to the official regulations.

Special labelling of certain mixtures

EUH208 Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. May produce an allergic reaction.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

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) | | | |
| 68037-01-4 | Dec-1-ene, homopolymer, hydrogenated | | | 10 - < 20 % |
| | 500-183-1 | | 01-2119486452-34 | |
| | Asp. Tox. 1; H304 | | | |
| 13463-67-7 | titanium dioxide | | | 3 - < 5 % |
| | 236-675-5 | 022-006-00-2 | | |
| | Carc. 2; H351 | | | |
| 68584-23-6 | Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts | | | 1 - < 3 % |
| | 271-529-4 | | 01-2119492627-25 | |
| | Skin Sens. 1B; H317 | | | |
| 70024-69-0 | Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | | | 0.1 - < 1 % |
| | 274-263-7 | | 01-2119492616-28 | |
| | Skin Sens. 1B; H317 | | | |
| 61789-86-4 | Sulfonic acids, petroleum, calcium salts | | | 0.1 - < 1 % |
| | 263-093-9 | | 01-2119488992-18 | |
| | Skin Sens. 1B; H317 | | | |
| 1471316-72-9 | Benzenesulfonic acids, di-C10-14-alkyl derivatives, calcium salts | | | 0.1 - < 1 % |
| | 939-603-7 | | 01-2119978241-36 | |
| | Skin Sens. 1B; H317 | | | |

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 | |
| 68037-01-4 | 500-183-1 | Dec-1-ene, homopolymer, hydrogenated | 10 - < 20 % |
| | | inhalation: LC50 = > 5,2 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| 13463-67-7 | 236-675-5 | titanium dioxide | 3 - < 5 % |
| | | inhalation: LC50 = > 6,8 mg/l (dusts or mists); dermal: LD50 = > 10000 mg/kg; oral: LD50 = > 10000 mg/kg | |
| 68584-23-6 | 271-529-4 | Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts | 1 - < 3 % |
| | | inhalation: LC50 = > 5 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg Skin Sens. 1B; H317: >= 10 - 100 | |
| 70024-69-0 | 274-263-7 | Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | 0.1 - < 1 % |
| | | inhalation: LC50 = > 5 mg/l (dusts or mists); dermal: LD50 = > 4000 mg/kg; oral: LD50 = > 16000 mg/kg Skin Sens. 1B; H317: >= 10 - 100 | |
| 61789-86-4 | 263-093-9 | Sulfonic acids, petroleum, calcium salts | 0.1 - < 1 % |
| | | inhalation: LC50 = > 5 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 16000 mg/kg Skin Sens. 1B; H317: >= 10 - 100 | |
| 1471316-72-9 | 939-603-7 | Benzenesulfonic acids, di-C10-14-alkyl derivatives, calcium salts | 0.1 - < 1 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 10000 - < 20000 mg/kg Skin Sens. 1B; H317: >= 10 - 100 | |

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Remove person to fresh air and keep comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

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

Headache, nausea, dizziness, fatigue, skin irritation

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

Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water fog. Foam. Carbon dioxide (CO₂). Extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO₂, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protection equipment.

For non-emergency personnel

First aider: Pay attention to self-protection!

For emergency responders

Fight fire with normal precautions from a reasonable distance.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

6.3. Methods and material for containment and cleaning up

For containment

Prevent spread over a wide area (e.g. by containment or oil barriers).

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For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

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

Observe instructions for use.

Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

When using do not eat, drink, smoke, sniff.

Wear personal protection equipment (refer to section 8).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

Avoid exposure. Wear suitable protective clothing. Draw up and observe skin protection programme.

Further information on handling

Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Observe legal regulations and provisions.

Hints on joint storage

Do not store together with: Oxidizing agents. Pyrophoric or self-heating substances. Food and feedingstuffs.

Further information on storage conditions

Store in a cool dry place. Observe legal regulations and provisions.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|------------|------------------------------|-----|-------------------|-----------|-----------|--------|
| 14807-96-6 | Talc respirable dust | - | 1 | | TWA (8 h) | WEL |
| 13463-67-7 | Titanium dioxide, respirable | - | 4 | | TWA (8 h) | WEL |

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DNEL/DMEL values

| CAS No | Substance | | | |
|--------------------------|---|----------------|----------|--------------------|
| DNEL type | | Exposure route | Effect | Value |
| 70024-69-0 | Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | | | |
| Worker DNEL, long-term | | inhalation | systemic | 11,75 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 3,33 mg/kg bw/day |
| Worker DNEL, long-term | | dermal | local | 1,03 mg/cm² |
| Consumer DNEL, long-term | | inhalation | systemic | 2,9 mg/m³ |
| Consumer DNEL, long-term | | dermal | systemic | 1,667 mg/kg bw/day |
| Consumer DNEL, long-term | | dermal | local | 0,513 mg/cm² |
| Consumer DNEL, long-term | | oral | systemic | 0,833 mg/kg bw/day |
| 61789-86-4 | Sulfonic acids, petroleum, calcium salts | | | |
| Worker DNEL, long-term | | inhalation | systemic | 11,75 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 3,33 mg/kg bw/day |
| Worker DNEL, long-term | | dermal | local | 1,03 mg/cm² |
| Consumer DNEL, long-term | | inhalation | systemic | 2,9 mg/m³ |
| Consumer DNEL, long-term | | dermal | systemic | 1,667 mg/kg bw/day |
| Consumer DNEL, long-term | | dermal | local | 0,513 mg/cm² |
| Consumer DNEL, long-term | | oral | systemic | 0,833 mg/kg bw/day |
| 1471316-72-9 | Benzenesulfonic acids, di-C10-14-alkyl derivatives, calcium salts | | | |
| Worker DNEL, long-term | | inhalation | systemic | 35,26 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 25 mg/kg bw/day |
| Worker DNEL, acute | | dermal | local | 1,04 mg/cm² |
| Consumer DNEL, long-term | | inhalation | systemic | 8,7 mg/m³ |
| Consumer DNEL, long-term | | dermal | systemic | 12,5 mg/kg bw/day |
| Consumer DNEL, acute | | dermal | local | 0,518 mg/cm² |
| Consumer DNEL, long-term | | oral | systemic | 2,5 mg/kg bw/day |

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PNEC values

| CAS No | Substance | Value |
|--|---|-----------------|
| Environmental compartment | | |
| 70024-69-0 | Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | |
| Freshwater | | 1 mg/l |
| Freshwater (intermittent releases) | | 10 mg/l |
| Marine water | | 1 mg/l |
| Freshwater sediment | | 226000000 mg/kg |
| Marine sediment | | 226000000 mg/kg |
| Secondary poisoning | | 16,667 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 1000 mg/l |
| Soil | | 271000000 mg/kg |
| 61789-86-4 | Sulfonic acids, petroleum, calcium salts | |
| Freshwater | | 1 mg/l |
| Freshwater (intermittent releases) | | 10 mg/l |
| Marine water | | 1 mg/l |
| Freshwater sediment | | 226000000 mg/kg |
| Marine sediment | | 226000000 mg/kg |
| Secondary poisoning | | 16,667 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 1000 mg/l |
| Soil | | 271000000 mg/kg |
| 1471316-72-9 | Benzenesulfonic acids, di-C10-14-alkyl derivatives, calcium salts | |
| Freshwater | | 0,1 mg/l |
| Freshwater (intermittent releases) | | 1 mg/l |
| Marine water | | 0,1 mg/l |
| Freshwater sediment | | 45211 mg/kg |
| Marine sediment | | 45211 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 1000 mg/l |
| Soil | | 36739,74 mg/kg |

Additional advice on limit values

- a no restriction
- b End of exposure or end of shift
- c at long-term exposure:
- d before next shift

blood (B)
Urine (U)

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: Tightly sealed safety glasses.
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Hand protection

Protect skin by using skin protective cream. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber) Breakthrough time: 480min

Thickness of the glove material 0,45 mm

EN ISO 374

Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

When exceeding the relevant workplace exposure limits, note the following:

Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..

Filtering device with filter or ventilator filtering device of type:A

Observe the wear time limits as specified by the manufacturer.

Observe legal regulations and provisions.

Environmental exposure controls

Observe legal regulations and provisions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|----------------|
| Physical state: | pasty |
| Colour: | grey |
| Odour: | characteristic |

| | Test method |
|---|--|
| Melting point/freezing point: | not determined |
| Boiling point or initial boiling point and boiling range: | > 100 °C |
| Flammability: | not determined not applicable |
| Flash point: | > 61 °C ISO 3679 |
| Decomposition temperature: | not determined |
| pH-Value (at 20 °C): | DIN 19268 |
| Viscosity / kinematic: (at 40 °C) | > 20,5 mm²/s DIN EN ISO 3104 |
| Water solubility: | The study does not need to be conducted because the substance is known to be insoluble in water. |
| Solubility in other solvents | |
| not determined | |
| Partition coefficient n-octanol/water: | not determined |
| Vapour pressure: | not determined |
| Density (at 20 °C): | 1,3528 g/cm³ DIN 51757 |
| Relative vapour density: | not determined |

9.2. Other information

Information with regard to physical hazard classes

Self-ignition temperature

Solid:

not determined

Gas:

not applicable

Oxidizing properties

Not oxidising.

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Other safety characteristics

| | |
|--------------------------|-----------------|
| Evaporation rate: | not determined |
| Solid content: | not determined |
| Viscosity / dynamic: | DIN 53019-1 |
| Flow time: (at 20 °C) | DIN EN ISO 2431 |

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take precautionary measures against static discharges.

10.5. Incompatible materials

Oxidizing agents. Pyrophoric or self-heating substances.

10.6. Hazardous decomposition products

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO₂, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

Further information

Do not mix with other chemicals.

SECTION 11: Toxicological information

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

Toxicokinetics, metabolism and distribution

There are no data available on the mixture itself.

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 vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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| CAS No | Chemical name | | | | |
|--------------|---|------------------------------|---------|---------------------|--|
| | Exposure route | Dose | Species | Source | Method |
| 68037-01-4 | Dec-1-ene, homopolymer, hydrogenated | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | | |
| | dermal | LD50 > 2000 mg/kg | Rabbit | | |
| | inhalation (4 h) dust/mist | LC50 > 5,2 mg/l | Rat | | |
| 13463-67-7 | titanium dioxide | | | | |
| | oral | LD50 > 10000 mg/kg | Rat | | |
| | dermal | LD50 > 10000 mg/kg | Rabbit | | |
| | inhalation (4 h) dust/mist | LC50 > 6,8 mg/l | Rat | | |
| 68584-23-6 | Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts | | | | |
| | oral | LD50 >5000 mg/kg | Rat | | |
| | dermal | LD50 >5000 mg/kg | Rat | | |
| | inhalation (4 h) dust/mist | LC50 >5 mg/l | Rat | | |
| 70024-69-0 | Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | | | | |
| | oral | LD50 > 16000 mg/kg | Rat | Study report (1981) | other: Section 772 .112-21 CFR 40 |
| | dermal | LD50 > 4000 mg/kg | Rabbit | Study report (1986) | other: 40 CFR, Section 163.81-2, Federal |
| | inhalation (4 h) dust/mist | LC50 >5 mg/l | Rat | | |
| 61789-86-4 | Sulfonic acids, petroleum, calcium salts | | | | |
| | oral | LD50 > 16000 mg/kg | Rat | Study report (1981) | other: Section 772 .112-21 CFR 40 |
| | dermal | LD50 > 5000 mg/kg | Rabbit | Study report (1981) | OECD Guideline 402 |
| | inhalation (4 h) dust/mist | LC50 >5 mg/l | Rat | | |
| 1471316-72-9 | Benzenesulfonic acids, di-C10-14-alkyl derivatives, calcium salts | | | | |
| | oral | LD50 > 10000 - < 20000 mg/kg | Rat | Study report (1972) | Adult albino male Sprague-Dawley rats |
| | dermal | LD50 > 2000 mg/kg | Rat | Study report (1989) | OECD Guideline 402 |

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.

Sensitising effects

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

Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. May produce an allergic reaction.

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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.

No indications of human carcinogenicity exist.

No indications of human germ cell mutagenicity exist.

No indications of human reproductive toxicity exist.

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.

Information on likely routes of exposure

Ingestion, Inhalation, Skin contact, Eye contact.

Reference to other sections: 2.1, 4.2.

Specific effects in experiment on an animal

No information available.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meet the criteria.

Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

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| CAS No | Chemical name | | | | | |
|--------------|---|-----------------------|-----------|---|----------------------------|--------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 68037-01-4 | Dec-1-ene, homopolymer, hydrogenated | | | | | |
| | Acute fish toxicity | LC50 > 1000 mg/l | 96 h | Oncorhynchus mykiss (Rainbow trout) | | |
| | Acute algae toxicity | ErC50 >1000 mg/l | 72 h | Scenedesmus subspicatus | | |
| | Acute crustacea toxicity | EC50 > 1000 mg/l | 48 h | Daphnia magna | | |
| 13463-67-7 | titanium dioxide | | | | | |
| | Acute fish toxicity | LC50 > 100 mg/l | 96 h | Oncorhynchus mykiss (Rainbow trout) | | |
| | Acute algae toxicity | ErC50 61 mg/l | 72 h | Pseudokirchneriella subcapitata | | |
| | Acute crustacea toxicity | EC50 > 10 mg/l | 48 h | Daphnia pulex | | |
| | Fish toxicity | NOEC > 1000 mg/l | 2 d | Leuciscus idus (golden orfe) | | |
| | Algae toxicity | NOEC 1 mg/l | 3 d | Pseudokirchneriella subcapitata | | |
| | Crustacea toxicity | NOEC > 3 mg/l | 30 d | Daphnia magna | | |
| 68584-23-6 | Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts | | | | | |
| | Acute fish toxicity | LC50 >10000 mg/l | 96 h | Oncorhynchus mykiss (Rainbow trout) | | |
| | Acute algae toxicity | ErC50 >1000 mg/l | 96 h | Scenedesmus subspicatus | | |
| | Acute crustacea toxicity | EC50 >1000 mg/l | 48 h | Daphnia magna | | |
| 70024-69-0 | Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | | | | | |
| | Acute fish toxicity | LC50 >10000 mg/l | 96 h | Oncorhynchus mykiss (Rainbow trout) | | |
| | Acute algae toxicity | ErC50 > 1000 mg/l | 72 h | Pseudokirchneriella subcapitata | REACH Registration Dossier | EPA OTS 797.1050 |
| | Acute crustacea toxicity | EC50 > 1000 mg/l | 48 h | Daphnia magna | REACH Registration Dossier | EPA OTS 797.1300 |
| | Acute bacteria toxicity | EC50 > 10000 mg/l () | 3 h | activated sludge of a predominantly domestic sewage | REACH Registration Dossier | OECD Guideline 209 |
| 61789-86-4 | Sulfonic acids, petroleum, calcium salts | | | | | |
| | Acute fish toxicity | LC50 >10000 mg/l | 96 h | Pimephales promelas | | |
| | Acute algae toxicity | ErC50 > 1000 mg/l | 72 h | Pseudokirchneriella subcapitata | Study report (1994) | EPA OTS 797.1050 |
| | Acute crustacea toxicity | EC50 > 1000 mg/l | 48 h | Daphnia magna | Study report (1993) | EPA OTS 797.1300 |
| | Acute bacteria toxicity | EC50 > 10000 mg/l () | 3 h | activated sludge of a predominantly domestic sewage | Study report (1994) | OECD Guideline 209 |
| 1471316-72-9 | Benzenesulfonic acids, di-C10-14-alkyl derivatives, calcium salts | | | | | |

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| | | | | | | | |
|--|--------------------------|------------------|---------|------|---|------------------------|-----------------------|
| | Acute fish toxicity | LC50 mg/l | > 100 | 96 h | Oncorhynchus mykiss (Rainbow trout) | | |
| | Acute algae toxicity | ErC50 mg/l | > 1000 | 72 h | Pseudokirchneriella subcapitata | Study report (1994) | EPA OTS 797.1050 |
| | Acute crustacea toxicity | EC50 mg/l | > 1000 | 48 h | Daphnia magna | Study report (1993) | EPA OTS 797.1300 |
| | Acute bacteria toxicity | EC50 mg/l () | > 10000 | 3 h | activated sludge of a predominantly domestic sewage | Study report (1994) | OECD Guideline 209 |

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|--------------|---|---------|
| 70024-69-0 | Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | 18,05 |
| 61789-86-4 | Sulfonic acids, petroleum, calcium salts | > 4,46 |
| 1471316-72-9 | Benzenesulfonic acids, di-C10-14-alkyl derivatives, calcium salts | > 6,91 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|--------------|---|------|------------------------------|---------------------|
| 1471316-72-9 | Benzenesulfonic acids, di-C10-14-alkyl derivatives, calcium salts | 70,8 | Fish, not further specified. | Study report (2013) |

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

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

This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Endocrine disrupting properties

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 information available.

Further information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

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

List of Wastes Code - residues/unused products

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

List of Wastes Code - used product

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

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List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|--|--|
| 14.1. UN number or ID number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

| | |
|--|--|
| 14.1. UN number or ID number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Marine transport (IMDG)

| | |
|--|--|
| 14.1. UN number or ID number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |
| Marine pollutant: | no |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|--|
| 14.1. UN number or ID number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

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 75

| | |
|---|---------------------------|
| Directive 2010/75/EU on industrial emissions: | No information available. |
|---|---------------------------|

| | |
|--|---------------------------|
| Directive 2004/42/EC on VOC in paints and varnishes: | No information available. |
|--|---------------------------|

Additional information

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

Safety Data Sheet

according to UK REACH Regulation

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National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

SECTION 16: Other information**Abbreviations and acronyms**

Asp. Tox: Aspiration hazard
Skin Sens: Skin sensitisation
Carc: Carcinogenicity
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA: International Air Transport Association
IMDG: International Maritime Code for Dangerous Goods
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 (division of the American Chemical Society)
DNEL/DMEL: Derived No Effect Level / Derived Minimal Effect Level
WEL: Workplace Exposure Limits
TWA (EC): Time-Weighted Average
ATE: Acute Toxicity Estimate
ATEL (EC): Short Term Exposure Limit
LC50: Lethal Concentration
EC50: half maximal Effective Concentration
ErC50: means EC50 in terms of reduction of growth rate

Relevant H and EUH statements (number and full text)

| | |
|--------|---|
| H304 | May be fatal if swallowed and enters airways. |
| H317 | May cause an allergic skin reaction. |
| H351 | Suspected of causing cancer. |
| EUH208 | Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. 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.

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