

**Safety Data Sheet**

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 1 of 15

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

913 Brake Paste MP91300200AB

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: | TUNAP GmbH & Co. KG | |
| Street: | Buergermeister-Seidl-Strasse 2 | |
| Place: | D-82515 Wolfratshausen | |
| Telephone: | +49 (0) 8171/1600-0 | Telefax: +49 (0) 8171/1600-40 |
| E-mail: | sdb@tunap.com | |
| Internet: | www.tunap.com | |

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**

Aerosol 3; H229

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Signal word:** Warning**Hazard statements**

H229 Pressurised container: May burst if heated.

Precautionary statements

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

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P251 Do not pierce or burn, even after use.

Special labelling of certain mixtures

EUH208 Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction. < 1 % by mass of the contents are flammable.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

**Safety Data Sheet**

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 2 of 15

Relevant ingredients

| CAS No | Chemical name | Quantity | | |
|------------|---|--------------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 68584-23-6 | Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts | | | 3 - < 5 % |
| | 271-529-4 | | 01-2119492627-25 | |
| | Skin Sens. 1B; H317 | | | |
| 13463-67-7 | titanium dioxide | | | 1 - < 3 % |
| | 236-675-5 | 022-006-00-2 | | |
| | Carc. 2; H351 | | | |
| 70024-69-0 | Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | | | 1 - < 3 % |
| | 274-263-7 | | 01-2119492616-28 | |
| | Skin Sens. 1B; H317 | | | |
| 61789-86-4 | Sulfonic acids, petroleum, calcium salts | | | 1 - < 3 % |
| | 263-093-9 | | 01-2119488992-18 | |
| | Skin Sens. 1B; H317 | | | |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | | | 0.1 - < 1 % |
| | 270-128-1 | | 01-2119491299-23 | |
| | Repr. 2, Aquatic Chronic 3; H361f H412 | | | |

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 | |
| 68584-23-6 | 271-529-4 | Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts | 3 - < 5 % |
| | | inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg Skin Sens. 1B; H317: >= 10 - 100 | |
| 13463-67-7 | 236-675-5 | titanium dioxide | 1 - < 3 % |
| | | inhalation: LC50 = > 6,8 mg/l (dusts or mists); dermal: LD50 = > 10000 mg/kg; oral: LD50 = > 10000 mg/kg | |
| 70024-69-0 | 274-263-7 | Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | 1 - < 3 % |
| | | 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 | 1 - < 3 % |
| | | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 16000 mg/kg Skin Sens. 1B; H317: >= 10 - 100 | |
| 68411-46-1 | 270-128-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | 0.1 - < 1 % |
| | | inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | |

SECTION 4: First aid measures**4.1. Description of first aid measures****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.



Safety Data Sheet

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 3 of 15

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

Rinse mouth immediately and drink plenty of water.

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.

Additional information

Danger of bursting container.

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).

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



Safety Data Sheet

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 4 of 15

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).

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Advice on protection against fire and explosion

Heating causes rise in pressure with risk of bursting.

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

Protect from frost. Protect from direct sunlight. 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 |
|------------|------------------------------|-----|-------------------|-----------|-----------|--------|
| 13463-67-7 | Titanium dioxide, respirable | - | 4 | | TWA (8 h) | WEL |

**Safety Data Sheet**

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 5 of 15

DNEL/DMEL values

| CAS No | Substance | 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/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 3,33 mg/kg bw/day |
| Worker DNEL, long-term | | dermal | local | 1,03 mg/cm ² |
| Consumer DNEL, long-term | | inhalation | systemic | 2,9 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 1,667 mg/kg bw/day |
| Consumer DNEL, long-term | | dermal | local | 0,513 mg/cm ² |
| Consumer DNEL, long-term | | oral | systemic | 0,833 mg/kg bw/day |
| 61789-86-4 | Sulfonic acids, petroleum, calcium salts | | | |
| Worker DNEL, long-term | | inhalation | systemic | 11,75 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 3,33 mg/kg bw/day |
| Worker DNEL, long-term | | dermal | local | 1,03 mg/cm ² |
| Consumer DNEL, long-term | | inhalation | systemic | 2,9 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 1,667 mg/kg bw/day |
| Consumer DNEL, long-term | | dermal | local | 0,513 mg/cm ² |
| Consumer DNEL, long-term | | oral | systemic | 0,833 mg/kg bw/day |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | | | |
| Worker DNEL, long-term | | inhalation | systemic | 0,6 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 0,08 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 0,14 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 0,04 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 0,04 mg/kg bw/day |

**Safety Data Sheet**

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 6 of 15

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 |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | |
| Freshwater | | 0,034 mg/l |
| Freshwater (intermittent releases) | | 0,51 mg/l |
| Marine water | | 0,003 mg/l |
| Freshwater sediment | | 0,446 mg/kg |
| Marine sediment | | 0,045 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 10 mg/l |
| Soil | | 1,76 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.
EN 166

**Safety Data Sheet**

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 7 of 15

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: | Aerosol |
| Colour: | blue |
| Odour: | characteristic |

| | Test method |
|---|---|
| Melting point/freezing point: | not determined |
| Boiling point or initial boiling point and boiling range: | 200 °C |
| Flammability: | not determined not applicable |
| Lower explosion limits: | not applicable |
| Upper explosion limits: | not applicable |
| Auto-ignition temperature: | 250 °C |
| Decomposition temperature: | not determined |
| pH-Value (at 20 °C): | not applicable |
| Water solubility: | DIN 19268 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: | 1,2 g/cm ³ |
| Relative vapour density: | DIN 51757 not determined |

9.2. Other information**Information with regard to physical hazard classes**

| | |
|---------------------------|----------------|
| Self-ignition temperature | |
| Solid: | not determined |
| Gas: | not applicable |



Safety Data Sheet

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 8 of 15

Oxidizing properties

Not oxidising.

Other safety characteristics

Evaporation rate:

not determined

Solid content:

not determined

Further Information

Data apply to technical substance: Relative density, Colour, Odour, Viscosity, pH.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Do not expose to temperatures above 50 °C. Heating causes rise in pressure with risk of bursting.

10.4. Conditions to avoid

Protect from frost.

10.5. Incompatible materials

Oxidizing agents. Pyrophoric or self-heating substances.

10.6. Hazardous decomposition productsIncomplete 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; ATE (inhalation gas) > 20000 ppm

**Safety Data Sheet**

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 9 of 15

| CAS No | Chemical name | | | | |
|------------|---|--------------------|---------|---------------------|--|
| | Exposure route | Dose | Species | Source | Method |
| 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 | | |
| 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 | | |
| 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 |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | Study report (1982) | OECD Guideline 401 |
| | dermal | LD50 > 2000 mg/kg | Rat | Study report (1988) | OECD Guideline 402 |
| | inhalation (4 h) dust/mist | LC50 >5 mg/l | Rat | | |

Irritation and corrosivity

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

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

Sensitising effects

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

Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

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

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

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

No indications of human carcinogenicity exist.

No indications of human germ cell mutagenicity exist.

No indications of human reproductive toxicity exist.

**Safety Data Sheet**

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 10 of 15

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.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

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 meets the criteria.

Other information

No information available.

SECTION 12: Ecological information**12.1. Toxicity**

The product is not: Ecotoxic.



Safety Data Sheet

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 11 of 15

| CAS No | Chemical name | | | | | |
|------------|---|-----------------------|-----------|---|----------------------------|--------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 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 | | |
| 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 | | |
| 70024-69-0 | Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | | | | | |
| | Acute fish toxicity | LC50 >10000 mg/l | 96 h | Cyprinus carpio (Common Carp) | | |
| | 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 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 |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | | | | | |
| | Acute fish toxicity | LC50 > 100 mg/l | 96 h | Danio rerio | Study report (1988) | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 > 100 mg/l | 72 h | Desmodesmus subspicatus | Study report (2006) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 51 mg/l | 48 h | Daphnia magna | Study report (2004) | OECD Guideline 202 |

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

**Safety Data Sheet**

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 12 of 15

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 |
| 68411-46-1 | Benzenamine, N-phenyl-,reaction products with 2,4,4-trimethylpentene | > 6 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|------------|--|-----|-----------------|---------------------|
| 68411-46-1 | Benzenamine, N-phenyl-,reaction products with 2,4,4-trimethylpentene | 411 | Cyprinus carpio | Study report (2000) |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

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

The product has not been tested.

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

Avoid release to 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

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

List of Wastes Code - used product

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

List of Wastes Code - contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Completely emptied packages can be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)**

| | |
|--|----------|
| 14.1. UN number or ID number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2 |
| 14.4. Packing group: | - |
| Hazard label: | 2.2 |

**Safety Data Sheet**

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 13 of 15

Classification code: 5A
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Excepted quantity: E0
Transport category: 3
Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.2
Classification code: 5A
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2, see SP63
Marine pollutant: no
Special Provisions: 63, 190, 277, 327, 344, 959
Limited quantity: See SP277
Excepted quantity: E0
EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS, non-flammable
14.3. Transport hazard class(es): 2.2
14.4. Packing group: -
Hazard label: 2.2
Special Provisions: A98 A145 A167 A802
Limited quantity Passenger: 30 kg G
Passenger LQ: Y203
Excepted quantity: E0
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**



Safety Data Sheet

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 14 of 15

Restrictions on use (REACH, annex XVII):

Entry 3, 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 informationSafety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Aerosol Directive (75/324/EEC)**National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2,4,6,7,9,11,14,15.

Abbreviations and acronyms

Aerosol: Aerosols

Skin Sens: Skin sensitisation

Carc: Carcinogenicity

Repr: Reproductive toxicity

Aquatic Chronic: Chronic aquatic hazard

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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

| Classification | Classification procedure |
|-----------------|--------------------------|
| Aerosol 3; H229 | On basis of test data |

Relevant H and EUH statements (number and full text)

| | |
|--------|--|
| H229 | Pressurised container: May burst if heated. |
| H317 | May cause an allergic skin reaction. |
| H351 | Suspected of causing cancer. |
| H361f | Suspected of damaging fertility. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH208 | Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, mono-C16-24-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.



Safety Data Sheet

according to UK REACH Regulation

913 Brake Paste MP91300200AB

Revision date: 22.03.2021

Product code: 1103533

Page 15 of 15

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