

Revision date 17/12/2015
Date of the previous version 05/10/2012

Version 3
EN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name **Exhaust cement**

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

Recommended Use Sealant.
Uses advised against No information available.

1.3 Details of the supplier of the safety data sheet

Mecfill
Branderij 4
9351 NX Leek
Nederland
Tel: +31 (0) 594 - 51 88 16
Fax: +31 (0) 594 - 51 33 13
E-mail: mectecdesign@planet.nl

1.4 Emergency telephone number

UK National Health Service (NHS) call 111 or, in life-threatening emergencies, call 999

WAL National Health Service (NHS) call 0845 46 47

IE National Poisons Information Centre
+353 1 809 2566 or +353 1 837 9964 (only for healthcare professionals)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (1272/2008/EC)

Skin Corrosion/Irritation	Category 1B - H314
Serious eye damage/eye irritation	Category 1 - H318
Specific target organ toxicity - Single exposure	Category 3 - H335

For the full text of the H-Statements mentioned in this section, see Section 16.

2.2 Label elements



Signal word
Danger

Hazard statements

H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation

Precautionary Statements

P260 - Do not breathe dust/vapours

P280 - Wear protective gloves and eye protection

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

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

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

Contains

Silicic acid, sodium salt

2.3 Other hazards

This product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical name	EC-No	CAS-No	Weight %	Classification (1272/2008/EC)	REACH registration number
Silicic acid, sodium salt	215-687-4	1344-09-8	50-60	Skin Corr. 1B H314 Eye Dam. 1 H31 STOT SE 3 H335 Met. Corr. 1 H290	01-2119448725-31
Clay	310-127-6	9999999-99-4	40-50	-	No data available
Braunite, brown	305-405-9	94551-57-2	<1	-	Exempted

For the full text of the H-Statements mentioned in this section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice	No hazards which require special first aid measures.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention.
Ingestion	Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention. Do not induce vomiting without medical advice.
Inhalation	Move to fresh air. Get medical attention immediately if symptoms occur.
Protection of first-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

4.2 Most important symptoms and effects, both acute and delayed

Main symptoms	Causes severe skin burns and eye damage. Redness, Pain. May cause respiratory irritation: Dyspnea (breathing difficulty).
----------------------	---

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically
---------------------------	-----------------------

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

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

Unsuitable Extinguishing Media None known.

5.2 Special hazards arising from the substance or mixture

Special Hazard None in particular. Hazardous decomposition products formed under fire conditions: Carbon dioxide (CO₂), Carbon monoxide (CO), Metal oxides.

5.3 Advice for firefighters

Special protective equipment for fire-fighters Wear self-contained breathing apparatus and protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate non-essential personnel. Avoid contact with skin, eyes and clothing. Use personal protective equipment. For personal protection see section 8.

6.2 Environmental precautions

Should not be released into the environment.

6.3 Methods and material for containment and cleaning up

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Exposure scenario Not available.

Other information Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits

Chemical name	European Union	The United Kingdom	France	Spain	Germany
Braunite, brown		TWA: 0.5 mg/m ³	VME: 1 mg/m ³	VLA-ED: 0.2 mg/m ³ as Mn	AGW (AGS): 0.5 mg/m ³ inh TWA (DFG): 0.2 mg/m ³ inh TWA (DFG): 0.02 mg/m ³ resp Blut: 0.015 mg/m ³

Chemical name	Italy	Portugal	Netherlands	Denmark	Poland
Braunite, brown		VLE-MP: 0.2 mg/m ³ as Mn	TGG: 0.05 mg/m ³ as Mn resp TGG: 0.2 mg/m ³ as Mn inh Bloed: 0.015 mg/L	TWA: 0.2 mg/m ³ as Mn	NDS: 0.3 mg/m ³ as Mn

Chemical name	Belgium	Sweden	Hungary	Finland	Czech Republic
Braunite, brown	TWA: 0.2 mg/m ³ as Mn	NGV: 0.2 mg/m ³ as Mn tot NGV: 0.1 mg/m ³ as Mn resp	ÁK: 5 mg/m ³ as Mn CK: 20 mg/m ³ as Mn	TWA: 0.2 mg/m ³ as Mn inh TWA: 0.1 mg/m ³ as Mn resp	TWA: 1 mg/m ³ as Mn CEIL: 2 mg/m ³ as Mn

Legend:

TWA - Time-Weighted Average - 8 hours

Recommended monitoring procedures No information available.

Derived No Effect Level (DNEL) For: Workers.

Chemical name	Long-term exposure - Systemic effects - Inhalation	Long-term exposure - Systemic effects - Dermal	Acute / short-term exposure - Systemic effects - Inhalation	Acute / short-term exposure - Systemic effects - Dermal
Silicic acid, sodium salt	5.61 mg/m ³	1.59 mg/kg bw/d		

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Marine water	Intermittent release	Sewage treatment plant	Freshwater sediment	Marine sediment	Soil	Oral
Silicic acid, sodium salt	7.5 mg/L	1 mg/L	75 mg/L	348 mg/L				

8.2 Exposure controls

Appropriate Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye Protection	Tightly fitting safety goggles (EN166).
Hand Protection	Protective gloves (EN374): PVC, Nitrile rubber, Butyl rubber. Glove thickness: 5 mil. Break through time: 4-8 hours.
Skin and Body Protection	Wear suitable protective clothing. Protective shoes or boots.
Respiratory Protection	In case of insufficient ventilation wear suitable respiratory equipment: Effective dust mask (EN143).
Recommended Filter Type	P2

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls The product should not be allowed to enter drains, water courses or the soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state @20°C	Solid
Appearance	Paste
Colour	Grey
Odour	Odourless
pH	No information available
Melting/freezing point	No information available
Boiling point/boiling range	No information available
Flash point	No information available
Evaporation rate	Not applicable (solid inorganic substance)
Flammability (solid, gas)	No information available
Flammability Limits in Air	No information available
Vapour pressure	No information available
Vapour density	No information available
Relative density	No information available
Solubility	
Water solubility	Slightly soluble
Partition coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidising properties	No information available

9.2 Other information

No information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Inert, not reactive.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Zinc, Aluminium.

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: Carbon dioxide (CO₂), Carbon monoxide (CO), Metal oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Ingestion	No known effect.
Skin Contact	No known effect.
Inhalation	No known effect.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Silicic acid, sodium salt	3400 mg/kg (Rat) 5150 mg/kg (Rat)	4640 mg/kg (Rabbit)	

Skin Corrosion/Irritation Causes severe burns.

Serious eye damage/irritation Causes serious eye damage.

Component	Skin Corrosion/Irritation	Serious eye damage/irritation
Silicic acid, sodium salt 1344-09-8 (50-60)	OECD 404, In vivo, Rabbit Result: Corrosive	

Respiratory or skin sensitisation No known effect.

Germ Cell Mutagenicity Not known to cause heritable genetic damage.

Carcinogenicity Contains no ingredient listed as a carcinogen.

Reproductive Toxicity Not known to cause birth defects or have a deleterious effect on a developing fetus. Not known to adversely affect reproductive functions and organs.

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure No known effect.

Aspiration Hazard No known effect.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

This product is not known to be hazardous to the environment.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Micro-organisms	Toxicity to daphnia and other aquatic invertebrates
Silicic acid, sodium salt	EC50: 207 mg/L 72h Desmodesmus subspicatus	LC50: 301 - 478 mg/L 96h Lepomis macrochirus LC50: 1108 mg/L 96h Danio rerio semi-static		EC50: 207 mg/l 96h Daphnia magna

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

12.6 Other adverse effects

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues / unused products

The product should not be allowed to enter drains, water courses or the soil. Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

According to: ADR, RID, ADN, IMDG, IATA/ICAO.

14.1 UN number

UN 3260

14.2 UN proper shipping name

Corrosive solid, acidic, inorganic, n.o.s. (Silicic acid, sodium salt)

14.3 Transport hazard class(es)

Hazard class 8

14.4 Packing group

Packing Group II

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Restrictions on use None.

Other Regulations No information available.

15.2 Chemical safety assessment

Not required.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

Revision note

Indication of the changes made to the previous version of the SDS: Classification, Composition/information on ingredients, National Occupational Exposure Limits, Toxicological information.

Training Advice

Workers must be trained in the proper use and handling of this product as required under applicable regulations.

Abbreviations and acronyms

EC: European Commission
REACH: Registration, Evaluation, Authorisation and Restriction of Chemical substances
STOT: Specific Target Organ Toxicity
PBT: Persistent, Bioaccumulative, Toxic
vPvB: very Persistent and very Bioaccumulating
ADR: Accord européen relatif au transport international des marchandises Dangereuses

par Route
RID: Regulations for the International Transport of Dangerous Goods by Rail
ADN: Accord européen relatif au transport international des marchandises Dangereuses
par voies de Navigation intérieures
IMDG: International Maritime Dangerous Goods Code
ICAO: International Civil Aviation Organization

Further information Use according to package label instructions. Do not subject to grinding. Sanding and grinding dust may be harmful if inhaled.

SDS No. MF00001 / CLP3

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and Regulation (EC) No. 2015/830.

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