

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

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

1.1 Product identifier

Product name: SCS 5887-MAH.BROWN

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

Identified uses: Silicone Elastomer

Uses advised against: Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Importer/Distributor Information : Momentive Performance Materials GmbH
Chempark Leverkusen Gebaeude V7
DE - 51368 Leverkusen
Germany

Contact person : commercial.services@momentive.com

Telephone : General information
00800.4321.1000 (Customer Service Centre)

1.4

Emergency telephone number : Europe, Israel & All other: +44 (0) 1235239670; Middle East:+44 (0) 1235239671

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified

2.2 Label Elements Not applicable

Supplemental label information

EUH210: Safety data sheet available on request.

Additional Information: No data available.

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

Chemical nature: Mixture of polydimethylsiloxanes, organic oils, fillers and cross-linkers.

3.2 Mixtures

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General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Solvent Naphtha	10 - <20%	64742-46-7	919-029-3	01-2119457735-29-XXXX	No data available.	#
Aminofunctional Oligosiloxane	1 - <3%	749886-39-3	638-875-1	Polymer	No data available.	
Decamethylcyclopentasiloxane	0,1 - <1%	541-02-6	208-764-9	01-2119511367-43-0002	No data available.	vPvB

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	Notes
Solvent Naphtha	Asp. Tox.: 1: H304; No data available.	No data available.
Aminofunctional Oligosiloxane	Skin Corr.: 1B: H314; Eye Dam.: 1: H318;	
Decamethylcyclopentasiloxane	No data available.	

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

General: No action shall be taken involving any personal risk or without suitable training.

4.1 Description of first aid measures

Inhalation: Move to fresh air. Get medical attention if symptoms occur.

Eye contact: Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.

Skin Contact: After contact with skin, remove product mechanically. Wash area with soap and water. Get medical attention if symptoms occur.

Ingestion: Rinse mouth. Consult a physician for specific advice.

4.2 Most important symptoms and effects, both acute and delayed: No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: No data available.

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SECTION 5: Firefighting measures

General Fire Hazards: Use standard firefighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

5.1 Extinguishing media
Suitable extinguishing media: All standard extinguishing agents are suitable.

Unsuitable extinguishing media: water jet

5.2 Special hazards arising from the substance or mixture: Reacts with water liberating small amounts of methanol. In case of fire, carbon monoxide and carbon dioxide may be formed.

5.3 Advice for firefighters
Special fire fighting procedures: Move container from fire area if it can be done without risk. Use water spray to keep fire-exposed containers cool.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Provide adequate ventilation. Use personal protective equipment.

6.2 Environmental Precautions: Prevent runoff from entering drains, sewers, or streams.

6.3 Methods and material for containment and cleaning up: Use mechanical handling equipment. Shovel up and place in a container for salvage or disposal.

6.4 Reference to other sections: No data available.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Methanol is formed during processing. Wear appropriate personal protective equipment.

Storage conditions: Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, sparks and open flame.

7.2 Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a cool, well-ventilated place.

Storage Stability: No data available.

7.3 Specific end use(s): No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters
Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Solvent Naphtha	TWA	20 ppm 116 mg/m3	EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European

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			Commission - SCOEL, as amended (2014)
	STEL	50 ppm 290 mg/m ³	EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL, as amended (2014)
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA - Respirable dust.	TWA	2,4 mg/m ³	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA - Inhalable dust.	TWA	6 mg/m ³	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)

Biological Limit Values

None.

8.2 Exposure controls

Appropriate Engineering Controls:

Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information:

Wear suitable gloves and eye/face protection.

Eyeface protection:

Safety glasses with side-shields conforming to EN166

Skin protection

Hand Protection:

Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

Other:

Chemical resistant clothing Wear rubber boots.

Respiratory Protection:

In case of inadequate ventilation use suitable respirator.

Hygiene measures:

Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands after handling. Observe good industrial hygiene practices. When using do not eat, drink or smoke.

Environmental exposure controls:

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:

solid

Form:

Paste

Color:

Brown

Odor:

Sweet

Odor Threshold:

No data available.

pH:

No data available.

Melting Point:

No data available.

Boiling Point:

No data available.

Flash Point:

> 100 °C

Evaporation Rate:

No data available.

Flammability (solid, gas):

No data available.

Flammability Limit - Upper (%):

No data available.

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Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	1,018 g/cm ³
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No decomposition if stored and applied as directed.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	> 20,5 mm ² /s (40 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous polymerization will not occur.
10.4 Conditions to avoid:	Reacts with water liberating small amounts of methanol.
10.5 Incompatible Materials:	Strong Acids, Strong Bases
10.6 Hazardous Decomposition Products:	Carbon oxides Oxides of silicon. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

SECTION 11: Toxicological information

General information: Our Experience shows that our Silicone Elastomer products can be handled without risk to health if used properly and if the usual precautions for industrial hygiene are observed.

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	ATEmix: 43.917,44 mg/kg
Specified substance(s)	

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Solvent Naphtha	LD 50 (Rat): > 5.000 mg/kg
Aminofunctional	No data available.
Oligosiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Dermal	
Product:	ATEmix: 131.752,31 mg/kg
Specified substance(s)	
Solvent Naphtha	LD 50 (Rabbit): > 3.160 mg/kg
Aminofunctional	LD 50 (Rabbit): 3.800 mg/kg
Oligosiloxane	LD 50 (Rabbit): 3.800 mg/kg
Decamethylcyclopentasiloxane	LD 50 (Rabbit): > 2.000 mg/kg
Inhalation	
Product:	ATEmix1.317,52 mg/l Vapour ATEmix223,98 mg/l Dusts, mists and fumes
Specified substance(s)	
Solvent Naphtha	LC50 (Rat, 4 h): > 5,266 mg/l
Aminofunctional	No data available.
Oligosiloxane	No data available.
Decamethylcyclopentasiloxane	LC50 (Rat, 4 h): 8,67 mg/l
Repeated dose toxicity	
Product:	No data available.
Specified substance(s)	
Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	No data available.
Decamethylcyclopentasiloxane	NOAEL (Rat(male and female), Oral, 90 d): 1.000 mg/kg NOAEL (Rat(male and female), Dermal, 28 d): 1.600 mg/kg NOAEC (Rat(male and female), Inhalation - vapor, 2 y): 160 ppm
Skin Corrosion/Irritation:	
Product:	Not irritating OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit): No skin irritation The health hazard evaluation is based on the toxicological properties of a similar material.
Specified substance(s)	
Solvent Naphtha	No data available.
Aminofunctional	No data available. (Rabbit): Corrosive
Oligosiloxane	No data available. (Rabbit): Corrosive
Decamethylcyclopentasiloxane	OECD Test Guideline 404 (Rabbit, 72 h): Non irritating
Serious Eye Damage/Eye Irritation:	
Product:	Not irritating OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Slightly irritating. The health hazard evaluation is based on the toxicological properties of a similar material.
Specified substance(s)	
Solvent Naphtha	No data available.
Aminofunctional	No data available. (Rabbit): Corrosive
Oligosiloxane	No data available. (Rabbit): Corrosive

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Decamethylcyclopentasiloxane OECD Test Guideline 405 (Rabbit, 72 h): Non irritating

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

Solvent Naphtha No data available.

Aminofunctional No data available.

Oligosiloxane

Decamethylcyclopentasiloxane LLNA (Local Lymph Node Assay), OECD Guideline 429 (LLNA) (Mouse): Non sensitizing.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Solvent Naphtha No data available.

Aminofunctional No data available.

Oligosiloxane

Decamethylcyclopentasiloxane Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)
Mammalian cytogenicity test (Mouse Lymphoma Assay (OECD Guideline 476)): negative (not mutagenic)
Chromosomal aberration (OECD 473): negative (not mutagenic)

In vivo

Product: No data available.

Specified substance(s)

Solvent Naphtha No data available.

Aminofunctional No data available.

Oligosiloxane

Decamethylcyclopentasiloxane (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female)negative (not mutagenic) Vapor.

Carcinogenicity

Product: No data available.

Specified substance(s)

Solvent Naphtha No data available.

Aminofunctional No data available.

Oligosiloxane

Decamethylcyclopentasiloxane No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Solvent Naphtha No data available.

Aminofunctional No data available.

Oligosiloxane

Decamethylcyclopentasiloxane No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

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Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasil oxane	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasil oxane	No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasil oxane	No data available.

Other effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasil oxane	LC50 (Oncorhynchus mykiss, 96 h): > 0,0016 mg/l (OECD-Guideline 204)

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasil oxane	EC50 (Daphnia magna, 48 h): > 0,0029 mg/l (OECD Test Guideline 202)

Chronic Toxicity

Fish

Product: No data available.

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Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasiloxane	NOEC (Oncorhynchus mykiss, 90 d): $\geq 0,0014$ mg/l (OECD-Guideline 210) LOEC (Oncorhynchus mykiss, 90 d): $> 0,0014$ mg/l (OECD-Guideline 210)

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasiloxane	NOEC (Daphnia magna, 21 d): $\geq 0,0015$ mg/l (OECD-Guideline 211) LOEC (Daphnia magna, 21 d): $> 0,0015$ mg/l

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasiloxane	EC50 (Algae (Pseudokirchneriella subcapitata), 96 h): $> 0,0012$ mg/l (OECD Test Guideline 201) NOEC : $\geq 0,0012$ mg/l EC10 : $> 0,0012$ mg/l

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasiloxane	activated sludge (adaptation not specified) (28 d, OECD Test Guideline 310): 0,14 % The product is not readily biodegradable.

BOD/COD Ratio

Product No data available.

Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasiloxane	No data available.

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasiloxane	Fathead Minnow, Bioconcentration Factor (BCF): 7.060 (OECD Test Guideline 305)

12.4 Mobility in soil:

No data available.

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Known or predicted distribution to environmental compartments

Solvent Naphtha	No data available.
Aminofunctional	No data available.
Oligosiloxane	
Decamethylcyclopentasiloxane	No data available.

12.5 Results of PBT and vPvB assessment:

Solvent Naphtha	No data available.	
Aminofunctional Oligosiloxane	No data available.	
Decamethylcyclopentasiloxane	vPvB: very persistent and very bioaccumulative substance.	Decamethylcyclopentasiloxane (D5) meets the current EU REACH Annex XIII criteria for vPvB and has been added to the candidate list for Substances of very high concern (SVHC).,However our understanding of the available science is that D5 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D5 is not biomagnifying in aquatic and terrestrial food webs. D5 in air will degrade by naturally occurring reactions in the atmosphere. Any D5 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms.

12.6 Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information:	Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment. The generation of waste should be avoided or minimized wherever possible.
Disposal methods:	Can be incinerated when in compliance with local regulations.

SECTION 14: Transport information

ADR

Not regulated.

ADN

Not regulated.

RID

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

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14.6 Special precautions for user: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Protect from moisture. Keep away from food, foodstuff, acids and bases. keep away from odour sensitive materials

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:

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):

Chemical name	CAS-No.	Concentration
Decamethylcyclopentasiloxane	541-02-6	0 - 0,3972%

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

Chemical name	CAS-No.	Concentration
Decamethylcyclopentasiloxane	541-02-6	0,1 - 1,0%
Methanol	67-56-1	0,1 - 1,0%
Diocetyl tin Oxide	870-08-6	0,1 - 1,0%

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:

Chemical name	CAS-No.	Concentration
Solvent Naphtha	64742-46-7	10 - 20%

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:

Chemical name	CAS-No.	Concentration
Solvent Naphtha	64742-46-7	10 - 20%

Directive 2012/18/EU (Seveso III): on the control of major accident hazards involving dangerous substances:

Chemical name	CAS-No.	Concentration
Solvent Naphtha	64742-46-7	10 - 20%
Methanol	67-56-1	0,1 - 1,0%

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EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:

Chemical name	CAS-No.	Concentration
Red iron oxide	1309-37-1	0,1 - 1,0%
Diocetyl tin Oxide	870-08-6	0,1 - 1,0%

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
Solvent Naphtha	64742-46-7	10 - 20%
Methanol	67-56-1	0,1 - 1,0%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

Inventory Status

REACH:	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers and other reactants.	Remarks: None.
Australia AICS:	Not in compliance with the inventory.	Remarks: None.
Canada DSL Inventory List:	Not in compliance with the inventory.	Remarks: None.
EINECS, ELINCS or NLP:	Not in compliance with the inventory.	Remarks: None.
Japan (ENCS) List:	Not in compliance with the inventory.	Remarks: None.
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
Philippines PICCS:	Not in compliance with the inventory.	Remarks: None.
US TSCA Inventory:	Not in compliance with the inventory.	Remarks: None.
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.

SECTION 16: Other information

Revision Information: Not relevant.

Key literature references and sources for data: No data available.

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Wording of the H-statements in section 2 and 3

H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

Training information: No data available.

Issue Date: 10.12.2019

Disclaimer:

Notice to reader

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Further Information

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 safehandling, 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.

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