

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by
Regulation(EU) No. 2020/878

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

1.1 Product identifier

Product name: SSG 4100 E

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 USA LLC
2750 Balltown Road,
Niskayuna, NY 12309

Contact person : commercial.services@momentive.com

Telephone : General information
+1-800-295-2392

Emergency telephone number

Supplier : CHEMTREC
1-800-424-9300

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

The product is not classified for chronic aquatic toxicity, for further details see section 16

2.2 Label Elements

Not applicable

Supplemental label information

EUH208: Contains (Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-). May produce an allergic reaction.

EUH210: Safety data sheet available on request.

Additional Information: No data available.

SSG 4100 E
2.3 Other hazards
PBT/vPvB data

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

Endocrine disrupting properties-Toxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine disrupting properties-Ecotoxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

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

3.2 Mixtures

General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionat o-O,O')[1,3-propanediolat o(2-)-O,O']-	0,1 - <1%	82089-64-3	279-899-9	01-2120806689-42-XXXX	Not applicable	

* 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).

Classification

Chemical name	Classification	Notes
Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-	Flam. Liq.: 3: H226; Skin Corr.: 2: H315; Skin Sens.: 1B: H317; Acute Tox.: 4: H302; Eye Dam.: 1: H318; No data available. Specific concentration limit: None known.	

CLP: Regulation No. 1272/2008.

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

Inhalation: Move into fresh air and keep at rest.

SSG 4100 E

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.
Ingestion:	Rinse mouth. Do NOT induce vomiting. 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.

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: Avoid water in straight hose stream; will scatter and spread fire.

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

5.3 Advice for firefighters
Special fire-fighting procedures: Move container from fire area if it can be done without risk. Cool fire-endangered containers with water.

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: Do not allow runoff to sewer, waterway or ground.

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.

SSG 4100 E

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

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

Storage Stability: Material is stable under normal conditions.

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

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Biological Limit Values

None.

8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment (PPE)

General information: Wear suitable gloves and eye/face protection.

Eye/face 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: Provide adequate ventilation. Observe good industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Wash hands after handling. 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: solid

Color: Black

Odor: Sweet

Odor Threshold: No data available.

pH: No data available.

Melting Point: No data available.

Boiling Point: No data available.

SSG 4100 E

Flash Point:	> 100 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Relative vapor density:	No data available.
Density:	1,5 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.
Auto-ignition 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.

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Reacts with water liberating small amounts of methanol.
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:	Keep away from moisture. Keep away from heat, sparks and open flame.
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.

SSG 4100 E

Skin Contact: No data available.

Eye contact: No data available.

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

Acute toxicity

Oral

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

No data available.

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

No data available.

Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

No data available.

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

No data available.

SSG 4100 E

Serious Eye Damage/Eye

Irritation:

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

In vivo

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

Carcinogenicity

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

SSG 4100 E

Reproductive toxicity

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

Aspiration Hazard

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

11.2 Information on other hazards

Endocrine disrupting properties

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.;

Components:

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

Other effects: No data available.

SSG 4100 E

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-

No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-oxobutanoato-

No data available.

SSG 4100 E

O1',O3)(2,4-
pentanedionato-
O,O')[1,3-
propanediolato(2-)-O,O']-

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-
oxobutanoato-
O1',O3)(2,4-
pentanedionato-
O,O')[1,3-
propanediolato(2-)-O,O']-

No data available.

BOD/COD Ratio

Product No data available.

Specified substance(s)

Titanium, (ethyl 3-
oxobutanoato-
O1',O3)(2,4-
pentanedionato-
O,O')[1,3-
propanediolato(2-)-O,O']-

No data available.

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

Titanium, (ethyl 3-
oxobutanoato-
O1',O3)(2,4-
pentanedionato-
O,O')[1,3-
propanediolato(2-)-O,O']-

No data available.

12.4 Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments

Titanium, (ethyl 3-
oxobutanoato-O1',O3)(2,4-
pentanedionato-O,O')[1,3-
propanediolato(2-)-O,O']-

No data available.

12.5 Results of PBT and vPvB assessment:

PBT/vPvB data

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

Titanium, (ethyl 3-oxobutanoato-
O1',O3)(2,4-pentanedionato-
O,O')[1,3-propanediolato(2-)-
O,O']-

No data available.

12.6 Endocrine disrupting properties:

SSG 4100 E

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Components:
Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-O,O']-

No data available.

12.7 Other adverse effects:

Other hazards

Product: No data available.

Additional Information: Ecotoxicological data for this product is not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

Disposal methods: Can be incinerated when in compliance with local regulations.

SECTION 14: Transport information

ADR

Not Regulated.

ADN

Not Regulated.

RID

Not Regulated.

IATA

Not Regulated.

IMDG Code

Not Regulated.

SSG 4100 E

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 Maritime transport in bulk according to IMO instruments

Product is not transported in bulk.

SECTION 15: Regulatory information

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

EU Regulations

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: None present or none present in regulated quantities.

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: None present or none present in regulated quantities.

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): None present or none present in regulated quantities.

EU. REACH Annex XVII, Substances subject to restriction on marketing and use: None present or none present in regulated quantities.

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: None present or none present in regulated quantities.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: None present or none present in regulated quantities.

EU. Directive 2012/18/EU on major accident hazards involving dangerous substances, Annex I, as amended: None present or none present in regulated quantities.

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

Chemical name	CAS-No.	Concentration
Calcium Carbonate	471-34-1	50 - 60%
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	68611-44-9	1,0 - 10%
Carbon Black	1333-86-4	0,1 - 1,0%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

Inventory Status

Australia AICS:	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	Not in compliance with the inventory.	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.

SSG 4100 E

Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or 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.

Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Key literature references and sources for data: The partition coefficient of D4 between PDMS and water has been determined as $\log K_{PDMS-water} = 7.09$. It follows that PDMS containing up to 3%w/w D4 will generate a thermodynamic limit concentration of 2.4 µg D4/L in the water phase. The critical 21d-NOEC for daphnia of 7.9 µg D4/L will not be reached. The product is therefore not classified for chronic aquatic toxicity

Wording of the H-statements in section 2 and 3

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H315	Causes skin irritation.

SSG 4100 E

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Training information: No data available.

Issue Date: 25.03.2026

Disclaimer:

Notice to reader

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives.
Keep out of the reach of children.

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 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.

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