

**TSE 399C**

Version 6.0  
Revision date 30.07.2014

Print Date 26.01.2015  
M00000007083

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Trade name : TSE 399C  
REACH Registration No. : not applicable

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

1.2.1 Usage : Silicone Elastomer  
1.2.2 Uses advised against : None known.

**1.3 Details of the supplier of the safety data sheet**

Company: : Momentive Performance Materials GmbH  
Chempark Leverkusen Gebaeude V7  
DE - 51368 Leverkusen  
Telephone : + 40 213044229  
Information contact: : MomentiveEMEA.productsteward@momentive.com

**1.4 Emergency telephone**

24 Hour Emergency Telephone : Europe, Israel & All other: +44 (0) 1235239670; Middle East:+44 (0) 1235239671

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture:**

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

Skin corrosion/irritation Category 2; H315;  
Serious eye damage/eye irritation Category 2; H319;

**Classification according to Directive 67/548/EEC or 1999/45/EC as amended:**

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

**2.2 Label elements**

**GHS-Labeling Regulation (EC) No. 1272/2008:**

Hazard pictograms



Signal words:

Warning

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### Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

### Precautionary Statement - Prevention:

P264 Wash thoroughly after handling.

### Precautionary Statement - Response:

P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P337+P313 If eye irritation persists: Get medical advice/attention.

### Labelling according to EC Directives

Further Information : In accordance with Directive 1999/45/EC, the product does not need to be classified nor labelled.

Special labelling of certain mixtures : Safety data sheet available for professional user on request.

### 2.3 Other hazards

None known.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product description / chemical characterization:** Mixture of polydimethylsiloxanes, fillers and cross-linkers.

#### Hazardous Component(s)

Chemical name	CAS-No.; EC No.; REACH Registration No.	Concentration %	EU Classification	Regulation (EC) No. 1272/2008
Silica	7631-86-9; 231-545-4; 01-2119379499- 16-XXXX;	1,000 - 10,000		
Dibutyltin Dilaurate	77-58-7; 201-039-8; 01-2119496068- 27-XXXX;	0,100 - 1,000	T, C, N;R48/25, R34, R43, R60, R61, R68, R50/53;	Category 1; Aquatic Acute; H400; Category 1; Aquatic Chronic; H410; Category 1; STOT SE; H370; Category 1; STOT RE; H372; Category 1B; Repr.; H360FD; Category 1C; Skin Corr.; H314; Category 2; Muta.; H341; Category 1; Skin Sens.; H317; Category 1; Eye Dam.; H318;
CYCLOPENTYLSILAZANE- AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	134759-20-9; -; Not Applicable	1,000 - 10,000	Xi;R38, R41;	Category 1; Eye Dam.; H318; Category 2; Skin Corr.; H315;
gamma- Aminopropyltriethoxysilane	919-30-2; 213-048-4; 01-2119480479- 24-XXXX;	0,100 - 1,000	C;R34, R22, R43;	Category 4; Acute Tox.; H302; Category 1B; Skin Corr.; H314; Category 1; Skin Sens.; H317;

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**4. FIRST AID MEASURES****4.1 Description of first aid measures**

- Inhalation : Move to fresh air.
- Skin contact : After contact with skin, remove product mechanically. Wash area with soap and water.
- Eye contact : Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.
- Ingestion : Rinse mouth. Consult a physician for specific advice.

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

None known.

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

None known.

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**5. FIRE-FIGHTING MEASURES****5.1 Extinguishing media**

- Suitable extinguishing media : All standard extinguishing agents are suitable.
- Unsuitable extinguishing media : None known.

**5.2 Special hazards arising from the substance or mixture:**

None known.

**5.3 Advice for firefighters:**

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.

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**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.

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Use mechanical handling equipment. Shovel up and place in a container for salvage or disposal.

**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Handling : Methanol is formed during processing. Wear appropriate personal protective equipment.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Keep container tightly closed in a cool, well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****Occupational exposure limits**

Components	CAS-No.	Occupational exposure limits
SILICA	7631-86-9	Basis: EH40 WEL; Update: 2005; Time Weighted Average (TWA): 6 mg/m <sup>3</sup> ; Inhalable dust. Basis: EH40 WEL; Update: 2005; Time Weighted Average (TWA): 2,4 mg/m <sup>3</sup> ; Respirable dust.
DIBUTYLTIN DILAURATE	77-58-7	Basis: EH40 OES; Update: 2003; Time Weighted Average (TWA): 0,1 mg/m <sup>3</sup> Basis: EH40 OES; Update: 2003; Short Term Exposure Limit (STEL): 0,2 mg/m <sup>3</sup> Basis: EH40 OES; Update: 2003; Skin designation: ; Can be absorbed through the skin. Basis: EH40 WEL; Update: 2005; Time Weighted Average (TWA): 0,1 mg/m <sup>3</sup> Basis: EH40 WEL; Update: 2005; Short Term Exposure Limit (STEL): 0,2 mg/m <sup>3</sup> Basis: EH40 WEL; Update: 2005; Skin designation: ; Can be absorbed through the skin.

**DNEL-Values:**

No data available

**PNEC-Values:**

No data available

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**8.2 Exposure controls****Personal protective equipment (ppe)**

- Hand protection : Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.
- Eye protection : Safety glasses with side-shields conforming to EN166
- Hygiene measures : Avoid contact with eyes, skin, and clothing.  
Wash hands after handling.  
When using do not eat or drink.
- Protective Measures : Wear suitable gloves and eye/face protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

- Appearance : Paste
- Color : Colorless
- Odor : Faint
- Odor Threshold : No data available.
- pH :  
No data available.
- Melting Point : No data available.
- Boiling point/boiling range :  
Flash Point : 198 °C  
Evaporation Rate : No data available.
- Lower explosion limit : Not applicable
- Upper explosion limit : No data available.
- Vapour pressure : No data available.
- Vapor Density : No data available.
- Density : ca.1,04 g/cm<sup>3</sup>  
Solubility(ies) : Insoluble
- Solubility in Water : Insoluble

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Solubility in other solvents	: No data available.
Partition Coefficient: n-octanol/water	: No data available.
Autoignition Temperature	: >450 °C
Thermal decomposition	: Note: No decomposition if stored and applied as directed.
Viscosity, kinematic	: > 20,5 mm <sup>2</sup> /s at 40 °C
Explosive properties	: No data available.
Oxidizing properties	: No data available.

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**10. STABILITY AND REACTIVITY****10.1 Reactivity:**

No data available

**10.2 Chemical stability:**

No data available

**10.3 Possibility of hazardous reactions:**

Reacts with water liberating small amounts of methanol.; No dangerous reaction if used as recommended.

**10.4 Conditions to avoid:**

None known.

**10.6 Hazardous decomposition products:**

Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

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**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Human experience : Our Experience shows that our Silicone Elastomer products can be handled without risk to health if used properly and if the

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usual precautions for industrial hygiene are observed.

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**12. ECOLOGICAL INFORMATION****12.1 Toxicity**

Product: No data available

**12.2 Persistence and degradability****Elimination information (persistence and degradability)**

Product: No data available

**12.3 Bioaccumulation**

Product: No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

Product: No data available

**12.6 Other adverse effects**

Additional ecological information : Ecotoxicological data for this product is not available.

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**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Product : Can be incinerated when in compliance with local regulations.

Contaminated packaging : Dispose of as unused product.

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**14. TRANSPORT INFORMATION**

**Further Information** : 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



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None known.

**15.2 Chemical safety assessment****Inventories**

Australia Inventory of Chemical Substances (AICS)	n (Negative listing)	
Canada DSL Inventory	q (quantity restricted)	
EU list of existing chemical substances	y (positive listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)	
China Inventory of Existing Chemical Substances	y (positive listing)	
Korea Existing Chemicals Inventory (KECI)	y (positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	y (positive listing)	On TSCA Inventory
New Zealand Inventory of Chemicals	n (Negative listing)	

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

**16. OTHER INFORMATION****Wording of the R-phrases and H-statements in section 2 and 3****H315: Causes skin irritation.**  
**H319: Causes serious eye irritation.**H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H370: Causes damage to organs.  
H372: Causes damage to organs through prolonged or repeated exposure.  
H360FD: May damage fertility. May damage the unborn child.  
H314: Causes severe skin burns and eye damage.  
H341: Suspected of causing genetic defects.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H318: Causes serious eye damage.  
H315: Causes skin irritation.  
H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.

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R22	Harmful if swallowed.
R34	Causes burns.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R60	May impair fertility.
R61	May cause harm to the unborn child.
R68	Possible risk of irreversible effects.

Unless otherwise specified in section 1.2.1, 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 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.