

TSE 397 C

# 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: TSE 397 C

### 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** : MomentiveEMEA.productsteward@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 been classified according to the legislation in force.

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

#### Health Hazards

Serious eye damage Category 2 H319: Causes serious eye irritation.

Toxic to reproduction Category 1B H360FD: May damage fertility. May damage the unborn child.

#### Environmental Hazards

Chronic hazards to the aquatic environment Category 3 H412: Harmful to aquatic life with long lasting effects.

### 2.2 Label Elements

**Contains:** Dibutyltin Dilaurate



**Signal Words:** Danger

**TSE 397 C**

**Hazard Statement(s):** H319: Causes serious eye irritation.  
H360FD: May damage fertility. May damage the unborn child.  
H412: Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER/doctor/...  
P308+P313: IF exposed or concerned: Get medical advice/attention.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Supplemental label information**

Contains: gamma-AminopropyltriethoxysilaneDibutyltin Dilaurate  
May produce an allergic reaction.

**Unknown toxicity - Health**

Acute toxicity, oral	0 %
Acute toxicity, dermal	0 %
Acute toxicity, inhalation, vapor	0 %
Acute toxicity, inhalation, dust or mist	0 %

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment	0 %
Chronic hazards to the aquatic environment	0 %

**Additional Information:** No data available.

**2.3 Other hazards** No data available.

**SECTION 3: Composition/information on ingredients**

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

**3.2 Mixtures**

**General information:** No data available.

**TSE 397 C**

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Silica	10 - <20%	7631-86-9	231-545-4	01-2119379499-16-0102	No data available.	#
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	1 - <3%	134759-20-9		No data available.	No data available.	
gamma-Aminopropyltriethoxysilane	0,1 - <1%	919-30-2	213-048-4	01-2119480479-24-0002	No data available.	
Dibutyltin Dilaurate	0,3 - <1%	77-58-7	201-039-8	01-2119496068-27-0001	1	#

\* 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
Silica	No data available.	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	Eye Dam.: 1: H318; Skin Corr.: 2: H315;	
gamma-Aminopropyltriethoxysilane	Skin Sens.: 1: H317; Acute Tox.: 4: H302; Skin Corr.: 1B: H314; Eye Dam.: 1: H318;	No data available.
Dibutyltin Dilaurate	Skin Corr.: 1C: H314; Muta.: 2: H341; Skin Sens.: 1: H317; Eye Dam.: 1: H318; STOT SE: 1: H370; Repr.: 1B: H360FD; Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410;	No data available.

CLP: Regulation No. 1272/2008.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**Inhalation:** Move to fresh air.

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

**TSE 397 C**

<b>Skin Contact:</b>	After contact with skin, remove product mechanically. Wash area with soap and water.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth. Consult a physician for specific advice.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	Product may hydrolyse upon contact with body fluids in the gastrointestinal tract to produce additional methanol; therefore, consider the signs/symptoms of methanol poisoning and also observe the known latency period of several days!
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
<b>Hazards:</b>	No data available.
<b>Treatment:</b>	If swallowed, do NOT induce vomiting. Give a glass of water. If swallowed, rinse mouth with water (only if the person is conscious). Product may hydrolyze upon contact with body fluids in the gastrointestinal tract to produce additional methanol. The potential for toxic effects due to methanol formation (eye damage and blindness, metabolic acidosis, dizziness and drowsiness, fetal toxicity, and liver, kidney, and heart muscle damage) should be recognized.

**SECTION 5: Firefighting measures**

<b>General Fire Hazards:</b>	Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
<b>5.1 Extinguishing media</b>	
<b>Suitable extinguishing media:</b>	All standard extinguishing agents are suitable.
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>5.2 Special hazards arising from the substance or mixture:</b>	In case of fire, carbon monoxide and carbon dioxide may be formed.
<b>5.3 Advice for firefighters</b>	
<b>Special fire fighting procedures:</b>	Product may charge electrostatically during pouring or filling. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.
<b>Special protective equipment for fire-fighters:</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Self-contained breathing apparatus.

**SECTION 6: Accidental release measures**

<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	Provide adequate ventilation. Use personal protective equipment. Keep container tightly closed and in a well-ventilated place. Caution: Contaminated surfaces may be slippery.
<b>6.2 Environmental Precautions:</b>	Prevent runoff from entering drains, sewers, or streams.
<b>6.3 Methods and material for containment and cleaning up:</b>	Use mechanical handling equipment. Shovel up and place in a container for salvage or disposal.

**TSE 397 C**

**6.4 Reference to other sections:** Remove sources of ignition.

**SECTION 7: Handling and storage:**

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

**Storage conditions:** Keep away from sources of ignition - No smoking. Store in original container.

**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**

Chemical name	Type	Exposure Limit Values	Source
Silica - Inhalable dust.	TWA	6 mg/m <sup>3</sup>	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Silica - Respirable dust.	TWA	2,4 mg/m <sup>3</sup>	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Dibutyltin Dilaurate - as Sn	TWA	0,1 mg/m <sup>3</sup>	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	STEL	0,2 mg/m <sup>3</sup>	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

**Biological Limit Values** None.

**DNEL-Values**

Critical component	Type	Route of Exposure	Value	Remarks
Dibutyltin Dilaurate	Workers	Dermal	1 mg/kg bw/day	
		Inhalation	0,07 mg/m <sup>3</sup>	
		Dermal	0,2 mg/kg bw/day	
	Consumers	Inhalation	0,01 mg/m <sup>3</sup>	
		Dermal	0,5 mg/kg bw/day	
		Inhalation	0,02 mg/m <sup>3</sup>	
		Ingestion	0,01 mg/kg bw/day	
		Dermal	0,08 mg/kg bw/day	
		Inhalation	0,003 mg/m <sup>3</sup>	
		Ingestion	0,002 mg/kg bw/day	

**PNEC-Values**

Critical component	Environmental compartment	Value	Remarks
Dibutyltin Dilaurate	Water	0,463 µg/l	

**TSE 397 C**

	Seawater	0,0463 µg/l	
	Intermittent release.	4,63 µg/l	
	freshwater sediment	0,05 mg/kg	Derived from PNEC(freshwater) using the equilibrium partitioning method.
	Saltwater Sediment	0,005 mg/kg	Derived from PNEC(freshwater) using the equilibrium partitioning method.
	soil	0,0407 mg/kg	
	Sewage treatment plant	100 mg/l	
	Oral	0,2 mg/kg	

**8.2 Exposure controls**

**Appropriate Engineering Controls:** Eye wash facilities and emergency shower must be available when handling this product. Observe good industrial hygiene practices.

**Individual protection measures, such as personal protective equipment**

**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: This recommendation is valid only for our Product as delivered. If this product will be mixed with other substances you need to contact a supplier of CE approved protective gloves (e.g. KCL GmbH, D-36124 Eichenzell, Tel. 0049 (0) 6659 87300, Fax. 0049 (0) 6659 87155, email: [vertrieb@kcl.de](mailto:vertrieb@kcl.de)).  
 Material: 730 Camatril  
 Glove thickness: 0,4 mm  
 Guideline: EN 374

**Other:** Wear suitable protective clothing and eye/face protection. Wear suitable protective clothing.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection mask with Filterttype ABEK

**Hygiene measures:** Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat or drink.

**Environmental exposure controls:** No data available.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state:** liquid  
**Form:** liquid  
**Color:** Colorless  
**Odor:** Faint  
**Odor Threshold:** No data available.  
**pH:** No data available.  
**Freezing point:** No data available.  
**Boiling Point:** No data available.

**TSE 397 C**

<b>Flash Point:</b>	198 °C
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	> 1,04 g/cm <sup>3</sup> (23 °C)
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No decomposition if stored and applied as directed.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	50.000 mPa·s (23 °C)
<b>Viscosity, kinematic:</b>	> 20,5 mm <sup>2</sup> /s (40 °C)
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity:</b>	Material is stable under normal conditions.
<b>10.2 Chemical Stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Hazardous polymerisation does not occur. Avoid contact with: Moisture.
<b>10.4 Conditions to avoid:</b>	Keep away from heat, sparks and open flame.
<b>10.5 Incompatible Materials:</b>	Moisture. Strong Acids, Strong Bases
<b>10.6 Hazardous Decomposition Products:</b>	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:** In serious cases absorption of methanol in the body may lead to damage to the eyesight.

**Information on likely routes of exposure**

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

**11.1 Information on toxicological effects**

**TSE 397 C**

**Acute toxicity**

**Oral**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Silica	LD 50 (Rat): > 15.000 mg/kg
CYCLOPENTYLSILAZA NE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	LD 50 (Rat): 4.666 mg/kg
gamma- Aminopropyltriethoxysilan e	LD 50 (Rat): 2.830 mg/kg LD 50 (Rat): 1.570 mg/kg
Dibutyltin Dilaurate	LD 50 (Rat): 2.071 mg/kg

**Dermal**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Silica	No data available.
CYCLOPENTYLSILAZ ANE- AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
gamma- Aminopropyltriethoxysil ane	LD 50 (Rabbit): 4.290 mg/kg
Dibutyltin Dilaurate	LD 50 (Rat): > 2.000 mg/kg

**Inhalation**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Silica	No data available.
CYCLOPENTYLSILAZA NE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
gamma- Aminopropyltriethoxysilan e	LC50 (Rat, 6 h): LC50 (Rat, 6 h):
Dibutyltin Dilaurate	No data available.

**Repeated dose toxicity**

<b>Product:</b>	No data available.
<b>Specified substance(s)</b>	
Silica	No data available.
CYCLOPENTYLSILAZA NE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.



**TSE 397 C**

gamma-Aminopropyltriethoxysilane  
 Dibutyltin Dilaurate

NOAEL (Rat, Oral, 90 d): 200 mg/kg  
 LOAEL (Rat, Oral, 90 d): 600 mg/kg

NOAEL (Rat(male and female), Oral, 28 d): 0,3 - 0,4 mg/l  
 NOAEL (Rat(males), Oral, 28 d): 1,9 - 2,3 mg/l  
 NOAEL (Rat(female), Oral, 28 d): 1,7 - 2,3 mg/l

**Skin Corrosion/Irritation:**

**Product:** No data available.

**Specified substance(s)**

Silica (Rabbit): No skin irritation  
 CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED Draize (Rabbit, 4 h): Slightly irritating.

gamma-Aminopropyltriethoxysilane  
 Dibutyltin Dilaurate

OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit, 4 h): Corrosive  
 (Rabbit): Severe skin irritation.

**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.

**Specified substance(s)**

Silica No data available. (Rabbit): not irritating (not classified according to the German Dangerous Substances legislation)  
 CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED Draize (Rabbit, 24 h): Corrosive Risk of serious damage to eyes.

gamma-Aminopropyltriethoxysilane  
 Dibutyltin Dilaurate

OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit, 72 h): Strongly irritating.  
 OECD Test Guideline 405 (Rabbit, 21 d): Strongly irritating. Irritating to eyes.

**Respiratory or Skin Sensitization:**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.  
 CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED No data available.

gamma-Aminopropyltriethoxysilane  
 Dibutyltin Dilaurate

(Guinea Pig)positive  
 Maximisation Test, OECD Test Guideline 406 (Guinea Pig): Sensitizer

**TSE 397 C**

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.

CYCLOPENTYLSILAZAN No data available.

E-AMINOSILOXANE

COPOLYMER,

METHOXY

TERMINATED

gamma-

Aminopropyltriethoxysilan

e Ames-Test: negative  
 Chinese Hamster Ovary (CHO): negative

Dibutyltin Dilaurate Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella

typhimurium, Reverse Mutation Assay)): negative (not mutagenic)

Mammalian cytogenicity test (OECD 476): negative

**In vivo**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.

CYCLOPENTYLSILAZAN No data available.

E-AMINOSILOXANE

COPOLYMER,

METHOXY

TERMINATED

gamma-

Aminopropyltriethoxysilan

e

Dibutyltin Dilaurate

(OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Oral  
 (Mouse)positive The health hazard evaluation is based on the toxicological  
 properties of a similar material.

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.

CYCLOPENTYLSILAZAN No data available.

E-AMINOSILOXANE

COPOLYMER,

METHOXY

TERMINATED

gamma-

Aminopropyltriethoxysilan

e

Dibutyltin Dilaurate No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.

**TSE 397 C**

CYCLOPENTYLSILAZAN No data available.  
E-AMINOSILOXANE  
COPOLYMER,  
METHOXY  
TERMINATED  
gamma-  
Aminopropyltriethoxysilan  
e  
Dibutyltin Dilaurate No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.  
CYCLOPENTYLSILAZAN No data available.  
E-AMINOSILOXANE  
COPOLYMER,  
METHOXY  
TERMINATED  
gamma-  
Aminopropyltriethoxysilan  
e  
Dibutyltin Dilaurate No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.  
CYCLOPENTYLSILAZAN No data available.  
E-AMINOSILOXANE  
COPOLYMER,  
METHOXY  
TERMINATED  
gamma-  
Aminopropyltriethoxysilan  
e  
Dibutyltin Dilaurate No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.  
CYCLOPENTYLSILAZAN No data available.  
E-AMINOSILOXANE  
COPOLYMER,  
METHOXY  
TERMINATED  
gamma-  
Aminopropyltriethoxysilan  
e  
Dibutyltin Dilaurate No data available.

**Other effects:** No data available.

**SECTION 12: Ecological information**

**TSE 397 C**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

Silica LC0 (Brachydanio rerio, 96 h): 5.000 mg/l (No data available.)  
 CYCLOPENTYLSILAZA No data available.

NE-AMINOSILOXANE  
 COPOLYMER,  
 METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilan  
 e  
 Dibutyltin Dilaurate

LC50 (Brachydanio rerio, 96 h): > 934 mg/l (OECD Test Guideline 203)

No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.  
 CYCLOPENTYLSILAZA No data available.

NE-AMINOSILOXANE  
 COPOLYMER,  
 METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilan  
 e  
 Dibutyltin Dilaurate

EC50 (Daphnia magna, 48 h): 331 mg/l (OECD-Guideline 202)

EC50 (Daphnia magna, 48 h): < 0,463 mg/l (OECD Test Guideline 202)  
 Fresh water

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

Silica LC0 (Brachydanio rerio, 4 d): 5.000 mg/l  
 CYCLOPENTYLSILAZA No data available.

NE-AMINOSILOXANE  
 COPOLYMER,  
 METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilan  
 e  
 Dibutyltin Dilaurate

No data available.

No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.  
 CYCLOPENTYLSILAZA No data available.

**TSE 397 C**

NE-AMINOSILOXANE  
 COPOLYMER,  
 METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilan  
 e  
 Dibutyltin Dilaurate

No data available.  
 No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.  
 CYCLOPENTYLSILAZA No data available.  
 NE-AMINOSILOXANE  
 COPOLYMER,  
 METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilan  
 e EC50 (Desmodesmus subspicatus (green algae), 72 h): > 1.000 mg/l  
 NOEC (Desmodesmus subspicatus (green algae), 72 h): 1,3 mg/l  
 Dibutyltin Dilaurate EC50 (Desmodesmus subspicatus (green algae), 72 h): > 1 mg/l (OECD  
 Test Guideline 201) Fresh water

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

Silica No data available.  
 CYCLOPENTYLSILAZAN No data available.  
 E-AMINOSILOXANE  
 COPOLYMER,  
 METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilan  
 e (28 d): 67 % Not readily degradable. hydrolyses  
 Dibutyltin Dilaurate Biological degradability (39 d): 23 % The product is not readily  
 biodegradable.

**BOD/COD Ratio**

**Product** No data available.

**Specified substance(s)**

Silica No data available.  
 CYCLOPENTYLSILAZAN No data available.  
 E-AMINOSILOXANE  
 COPOLYMER,  
 METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilan  
 e No data available.  
 Dibutyltin Dilaurate No data available.

**12.3 Bioaccumulative potential**

**TSE 397 C**

**Product:** No data available.

**Specified substance(s)**

Silica	No data available.
CYCLOPENTYLSILAZAN	No data available.
E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	
gamma- Aminopropyltriethoxysilan e	Cyprinus carpio, Bioconcentration Factor (BCF): 3,4 (Measured) The product is not bioaccumulating.
Dibutyltin Dilaurate	The product is not bioaccumulating.

**12.4 Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

Silica	No data available.
CYCLOPENTYLSILAZANE -AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
gamma- Aminopropyltriethoxysilane	No data available.
Dibutyltin Dilaurate	No data available.

**12.5 Results of PBT and vPvB assessment:** No data available.

Silica	No data available.
CYCLOPENTYLSILAZANE -AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
gamma- Aminopropyltriethoxysilane	Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria, Not fulfilling vPvB (very persistent/very bioaccumulative) criteria
Dibutyltin Dilaurate	No data available.

**12.6 Other adverse effects:** No data 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**

**TSE 397 C**

Not regulated.

**RID**

Not regulated.

**IMDG**

Not regulated.

**IATA**

Not regulated.

**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:**

Chemical name	CAS-No.	Concentration
Dibutyltin Dilaurate	77-58-7	0,1 - 1,0%

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

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

Chemical name	CAS-No.	Concentration
Dibutyltin Dilaurate	77-58-7	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.:** none

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

**Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:** none

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

**TSE 397 C**

Chemical name	CAS-No.	Concentration
Dibutyltin Dilaurate	77-58-7	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
gamma-Aminopropyltriethoxysilane	919-30-2	0,1 - 1,0%

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

**Inventory Status**

Australia AICS:	n (Negative listing)	Remarks: None.
Canada DSL Inventory List:	q (quantity restricted)	Remarks: None.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	y (positive listing)	Remarks: None.
China Inv. Existing Chemical Substances:	y (positive listing)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	y (positive listing)	Remarks: None.
Canada NDSL Inventory:	n (Negative listing)	Remarks: None.
Philippines PICCS:	y (positive listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: None.
Taiwan Chemical Substance Inventory:	y (positive listing)	Remarks: None.

**SECTION 16: Other information**

**Revision Information:** Not relevant.

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

**Wording of the H-statements in section 2 and 3**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H360FD	May damage fertility. May damage the unborn child.
H370	Causes damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Training information:** No data available.

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

Eye Dam. 2, H319  
 Repr. 1B, H360FD  
 Aquatic Chronic 3, H412

**Issue Date:** 22.08.2017



**TSE 397 C**

**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 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.

®, \*, and TM indicate trademarks owned by or licensed to Momentive.