

TSE392-C

- Prevention:** P264: Wash thoroughly after handling.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
- Response:** P337+P313: If eye irritation persists: 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: Silicone sealant

3.2 Mixtures

General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
CYCLOPENT YLSILAZANE-AMINOSILOXANE COPOLYMER , METHOXY TERMINATED	1 - <3%	134759-20-9		No data available.	No data available.	

TSE392-C

gamma-Aminopropyltriethoxysilane	0,1 - <1%	919-30-2	213-048-4	01-2119480479-24-0002	No data available.	
Dibutyltin Dilaurate	0,1 - <0,3%	77-58-7	201-039-8	01-2119496068-27-0001	1	#
Octamethylcyclotetrasiloxane	0,1 - <1%	556-67-2	209-136-7	01-2119529238-36-0001	No data available.	

* 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
CYCLOPENTYLSILAZAN E-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.
Octamethylcyclotetrasiloxane	Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 4: H413;	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.
- Skin Contact:** After contact with skin, remove product mechanically. Wash area with soap and water.
- Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth. Consult a physician for specific advice.

4.2 Most important symptoms and effects, both acute and delayed: 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!

4.3 Indication of any immediate medical attention and special treatment needed

TSE392-C

Hazards:	No data available.
Treatment:	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

General Fire Hazards:	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:	Do not use water jet as an extinguisher, as this will spread the fire.
5.2 Special hazards arising from the substance or mixture:	In case of fire, carbon monoxide and carbon dioxide may be formed.
5.3 Advice for firefighters	
Special fire fighting procedures:	Product may charge electrostatically during pouring or filling. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.
Special protective equipment for fire-fighters:	Use standard firefighting procedures and consider the hazards of other involved materials. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Provide adequate ventilation. Use personal protective equipment. Keep container tightly closed and in a well-ventilated place. Caution: Contaminated surfaces may be slippery.
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:	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.

TSE392-C

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
Dibutyltin Dilaurate - as Sn	TWA	0,1 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	STEL	0,2 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

Biological Limit Values

None.

DNEL-Values

Critical component	Type	Route of Exposure		Remarks
Dibutyltin Dilaurate	Workers	Dermal	1 mg/kg bw/day	
		Inhalation	0,07 mg/m3	
	Consumers	Dermal	0,2 mg/kg bw/day	
		Inhalation	0,01 mg/m3	
		Dermal	0,5 mg/kg bw/day	
		Inhalation	0,02 mg/m3	
		Ingestion	0,01 mg/kg bw/day	
		Dermal	0,08 mg/kg bw/day	
		Inhalation	0,003 mg/m3	
		Ingestion	0,002 mg/kg bw/day	

PNEC-Values

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

TSE392-C

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).
 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:	Paste
Color:	Colorless
Odor:	Faint
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	No data available.
Boiling Point:	not applicable
Flash Point:	144 °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.
Vapor density (air=1):	No data available.
Density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	Insoluble
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.

TSE392-C

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

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:	Not classified for acute toxicity based on available data.
Specified substance(s)	
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
Octamethylcyclotetrasilox ane	LD 50 (Rat): 4.800 mg/kg

Dermal

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

TSE392-C

Specified substance(s)

CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED gamma-Aminopropyltriethoxysilane	No data available.
Dibutyltin Dilaurate	LD 50 (Rabbit): 4.290 mg/kg
Octamethylcyclotetrasiloxane	LD 50 (Rat): > 2.000 mg/kg
	LD 50 (Rat): > 2.400 mg/kg

Inhalation

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

Specified substance(s)

CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED gamma-Aminopropyltriethoxysilane	No data available.
Dibutyltin Dilaurate	LC50 (Rat, 6 h): LC50 (Rat, 6 h):
Octamethylcyclotetrasiloxane	No data available. LC50 (Rat, 4 h): 36 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s)

CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED gamma-Aminopropyltriethoxysilane	No data available.
Dibutyltin Dilaurate	NOAEL (Rat, Oral, 90 d): 200 mg/kg LOAEL (Rat, Oral, 90 d): 600 mg/kg
Octamethylcyclotetrasiloxane	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 NOAEL (Rat(male and female), Inhalation - vapor(vapour)): 150 mg/kg NOAEL (Rabbit(male and female), Dermal): 950 mg/kg LOAEL (Rabbit(male and female), Dermal): 950 mg/kg

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

TSE392-C

CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED gamma-Aminopropyltriethoxysilane
 Draize (Rabbit, 4 h): Slightly irritating.

Dibutyltin Dilaurate
 (Rabbit): Severe skin irritation.

Octamethylcyclotetrasiloxane
 OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit, 4 h): Corrosive
 OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rat): No skin irritation

Serious Eye Damage/Eye Irritation:

Product: No data available.

Specified substance(s)
 CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED gamma-Aminopropyltriethoxysilane
 Draize (Rabbit, 24 h): Corrosive Risk of serious damage to eyes.

Dibutyltin Dilaurate
 OECD Test Guideline 405 (Rabbit, 21 d): Strongly irritating. Irritating to eyes.

Octamethylcyclotetrasiloxane
 OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit, 72 h): Strongly irritating.
 OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Not irritating

Respiratory or Skin Sensitization:

Product: No data available.

Specified substance(s)
 CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED gamma-Aminopropyltriethoxysilane
 (Guinea Pig)positive

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

Octamethylcyclotetrasiloxane
 , OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig)Not sensitizing

Germ Cell Mutagenicity

In vitro Product: No data available.

Specified substance(s)

TSE392-C

CYCLOPENTYLSILAZAN No data available.
 E-AMINOSILOXANE
 COPOLYMER,
 METHOXY
 TERMINATED
 gamma-
 Aminopropyltriethoxysilan e Ames-Test: negative
 Chinese Hamster Ovary (CHO): negative
 Chromosomal aberration: negative
 Dibutyltin Dilaurate Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)
 Mammalian cytogenicity test (OECD 476): negative
 Octamethylcyclotetrasiloxane Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)
 Mouse Lymphoma Assay (OECD Guideline 476): negative (not mutagenic)

In vivo

Product: No data available.

Specified substance(s)

CYCLOPENTYLSILAZAN No data available.
 E-AMINOSILOXANE
 COPOLYMER,
 METHOXY
 TERMINATED
 gamma-
 Aminopropyltriethoxysilan e No data available.
 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.
 Octamethylcyclotetrasiloxane Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative
 Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative

Carcinogenicity

Product: No data available.

Specified substance(s)

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

Reproductive toxicity

Product: No data available.

Specified substance(s)

CYCLOPENTYLSILAZAN No data available.
 E-AMINOSILOXANE
 COPOLYMER,
 METHOXY
 TERMINATED

TSE392-C

gamma-
 Aminopropyltriethoxysilan
 e No data available.
 Dibutyltin Dilaurate No data available.
 Octamethylcyclotetrasilox
 ane No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

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

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

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

Aspiration Hazard

Product: No data available.

Specified substance(s)

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

Other effects: No data available.

SECTION 12: Ecological information

TSE392-C

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

CYCLOPENTYLSILAZA
 NE-AMINOSILOXANE
 COPOLYMER,
 METHOXY
 TERMINATED

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

Dibutyltin Dilaurate No data available.

Octamethylcyclotetrasiloxane No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

CYCLOPENTYLSILAZA
 NE-AMINOSILOXANE
 COPOLYMER,
 METHOXY
 TERMINATED

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

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

Octamethylcyclotetrasiloxane No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

CYCLOPENTYLSILAZA
 NE-AMINOSILOXANE
 COPOLYMER,
 METHOXY
 TERMINATED

gamma-Aminopropyltriethoxysilane No data available.

Dibutyltin Dilaurate No data available.

Octamethylcyclotetrasiloxane No data available.

Aquatic Invertebrates

Product: No data available.

TSE392-C

Specified substance(s)
 CYCLOPENTYLSILAZA NE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED
 gamma-Aminopropyltriethoxysilane
 Dibutyltin Dilaurate
 Octamethylcyclotetrasiloxane

No data available.
 No data available.
 No data available.
 No data available.

Toxicity to Aquatic Plants
Product: No data available.

Specified substance(s)
 CYCLOPENTYLSILAZA NE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED
 gamma-Aminopropyltriethoxysilane
 Dibutyltin Dilaurate
 Octamethylcyclotetrasiloxane

No data available.
 EC50 (Desmodesmus subspicatus (green algae), 72 h): > 1.000 mg/l
 NOEC (Desmodesmus subspicatus (green algae), 72 h): 1,3 mg/l
 EC50 (Desmodesmus subspicatus (green algae), 72 h): > 1 mg/l (OECD Test Guideline 201) Fresh water
 No data available.

12.2 Persistence and Degradability

Biodegradation
Product: No data available.

Specified substance(s)
 CYCLOPENTYLSILAZAN E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED
 gamma-Aminopropyltriethoxysilane
 Dibutyltin Dilaurate
 Octamethylcyclotetrasiloxane

No data available.
 (28 d): 67 % Not readily degradable. hydrolyses
 Biological degradability (39 d): 23 % The product is not readily biodegradable.
 (29 d, 310 Ready Biodegradability - CO₂ in Sealed Vessels (Headspace Test)): 3,7 % Persistent Not readily biodegradable.

BOD/COD Ratio
Product: No data available.

Specified substance(s)
 CYCLOPENTYLSILAZAN E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED

No data available.

TSE392-C

gamma-
 Aminopropyltriethoxysilan
 e No data available.
 Dibutyltin Dilaurate No data available.
 Octamethylcyclotetrasilox
 ane No data available.

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

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.
 Octamethylcyclotetrasilox
 ane Fathead Minnow, Bioconcentration Factor (BCF): 12,40

12.4 Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

CYCLOPENTYLSILAZANE No data available.
 -AMINOSILOXANE
 COPOLYMER, METHOXY
 TERMINATED

gamma-
 Aminopropyltriethoxysilane No data available.

Dibutyltin Dilaurate No data available.

Octamethylcyclotetrasiloxa
 ne No data available.

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

CYCLOPENTYLSILAZANE No data available.
 -AMINOSILOXANE
 COPOLYMER, METHOXY
 TERMINATED

gamma-
 Aminopropyltriethoxysilane Not fulfilling PBT
 (persistent/bioaccumulative/toxic) criteria,
 Not fulfilling vPvB (very persistent/very
 bioaccumulative) criteria

Dibutyltin Dilaurate No data available.

Octamethylcyclotetrasiloxa
 ne 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.

TSE392-C

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.

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
---------------	---------	---------------

TSE392-C

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:

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%
Octamethylcyclotetrasiloxane	556-67-2	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.
New Zealand Inventory of Chemicals:	n (Negative 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

H226	Flammable liquid and vapor.
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.

TSE392-C

H361f	Suspected of damaging fertility.
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.
H413	May cause long lasting harmful effects to aquatic life.

Training information: No data available.

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

Eye Dam. 2, H319
Aquatic Chronic 3, H412

Issue Date: 23.08.2017

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.