

RTV31

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: RTV31

INDEX No.	not applicable
CAS-No.	77-58-7
EC No.	201-039-8
REACH Registration No.	01-2119496068-27-0001

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

Identified uses: Catalyst
 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

Skin corrosion	Category 1C	H314: Causes severe skin burns and eye damage.
Serious eye damage	Category 1	H318: Causes serious eye damage.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.
Germ Cell Mutagenicity	Category 2	H341: Suspected of causing genetic defects.
Toxic to reproduction	Category 1B	H360FD: May damage fertility. May damage the unborn child.
Specific Target Organ Toxicity - Single Exposure	Category 1 ¹	H370: Causes damage to organs.

Target Organs

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1. thymus

Environmental Hazards

Acute hazards to the aquatic environment	Category 1	H400: Very toxic to aquatic life.
Chronic hazards to the aquatic environment	Category 1	H410: Very toxic to aquatic life with long lasting effects.

2.2 Label Elements

Contains: Dibutyltin Dilaurate



Signal Words: Danger

Hazard Statement(s): H314: Causes severe skin burns and eye damage.
 H317: May cause an allergic skin reaction.
 H341: Suspected of causing genetic defects.
 H360FD: May damage fertility. May damage the unborn child.
 H370: Causes damage to organs.
 H410: Very toxic 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.
 P260: Do not breathe dust/fume/gas/mist/vapors/spray.
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P310: Immediately call a POISON CENTER/doctor.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313: IF exposed or concerned: Get medical advice/attention.
 P391: Collect spillage.

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

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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

3.1 Substances

General information: No data available.
Chemical name Dibutyltin Dilaurate
INDEX No.: not applicable
CAS-No.: 77-58-7
EC No.: 201-039-8
REACH Registration No.: 01-2119496068-27-0001
M-Factor: 1

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Dibutyltin Dilaurate	50 - <100%	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.

SECTION 4: First aid measures

General: Move into fresh air and keep at rest. Call a physician or poison control center immediately. Seek medical attention for all burns, regardless how minor they may seem. Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory tract irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If b CAUTION! First aid personnel must be aware of own risk during rescue!

4.1 Description of first aid measures

Inhalation: Move to fresh air. If respiratory problems, artificial respiration/oxygen. Get medical attention.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.

Skin Contact: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Wash contaminated clothing before reuse. Call a physician or poison control center immediately.

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- Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water. Call a physician or poison control center immediately.
- 4.2 Most important symptoms and effects, both acute and delayed:** Gastrointestinal symptoms, including upset stomach. May cause burns of the gastrointestinal tract if swallowed. May cause chemical eye burns.
- 4.3 Indication of any immediate medical attention and special treatment needed**
- Hazards:** Corrosive to skin and eyes. May cause burns of the gastrointestinal tract if swallowed.
- Treatment:** Flush thoroughly with water for at least 15 minutes. Get immediate medical assistance. If medical assistance is not immediately available, flush an additional 15 minutes. Do not give victim anything to drink if he is unconscious. If swallowed, do NOT induce vomiting. Give a glass of water. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

SECTION 5: Firefighting measures

- General Fire Hazards:** Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.
- 5.1 Extinguishing media**
- Suitable extinguishing media:** Alcohol resistant foam. Carbon dioxide Dry chemical.
- 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.
- 5.3 Advice for firefighters**
- Special fire fighting procedures:** Take precautionary measures against static discharges. To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system.
- Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment. Use only in well-ventilated areas.
- 6.2 Environmental Precautions:** Do not allow runoff to sewer, waterway or ground.
- 6.3 Methods and material for containment and cleaning up:** Absorb spillage with suitable absorbent material. Shovel up and place in a container for salvage or disposal.
- 6.4 Reference to other sections:** Remove sources of ignition. In case of spills, beware of slippery floors and surfaces. See Section 8 of the SDS for Personal Protective Equipment. Collect and dispose of spillage as indicated in section 13 of the SDS.

SECTION 7: Handling and storage:

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7.1 Precautions for safe handling:

In case of insufficient ventilation, wear suitable respiratory equipment. See Section 8 of the SDS for Personal Protective Equipment. Do not eat, drink or smoke when using the product. Do not get in eyes, on skin, on clothing. Wash at the end of each work shift and before eating, smoking and using the toilet. Avoid contact during pregnancy and while nursing. Avoid inhalation of dust and vapors. Persons susceptible for allergic reactions should not handle this product.

Storage conditions:

Keep container tightly closed. Keep away from sources of ignition - No smoking.

7.2 Conditions for safe storage, including any incompatibilities:

Keep away from water, acids, alkalis, amines and alcohols. Keep in a cool, ventilated location far from heat source and flame Keep away from sources of ignition - No smoking.

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	Value	Remarks
Dibutyltin Dilaurate	Workers	Dermal	1 mg/kg bw/day	
		Inhalation	0,07 mg/m3	
		Dermal	0,2 mg/kg bw/day	
		Inhalation	0,01 mg/m3	
	Consumers	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	Value	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	

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8.2 Exposure controls

Appropriate Engineering Controls: Provide eyewash station and safety shower. Use only with adequate ventilation.

Individual protection measures, such as personal protective equipment

General information: Use only in well-ventilated areas.

Eye/face protection: Safety glasses with side-shields conforming to EN166 Face shield

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
 Minimum break through time: 480 min
 Glove thickness: 0,4 mm
 Guideline: EN 374

Other: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation, use air-supplied full-mask. Respiratory protection mask with Filtrertype ABEK Respirator with a vapour filter (EN 141) Respiratory protection mask with Filtrertype ABEK

Hygiene measures: Avoid contact with eyes, skin, and clothing. Observe good industrial hygiene practices. Wash hands after handling. When using do not eat, drink or smoke.

Environmental exposure controls: No release to wastewater from process as such, wastewater emissions limited to release generated from final equipment cleaning step using water

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:	28,5 °C (other methods)
Boiling Point:	205 °C (1,013 hPa) (other methods)
Flash Point:	191 °C (other methods)
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:	0,0000077 hPa (25 °C)
Vapor density (air=1):	No data available.
Density:	1,043 g/cm ³ (28,5 °C)
Relative density:	No data available.
Solubility(ies)	

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Solubility in Water:	<= 1,43 mg/l (20 °C)
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	4,44 ; pH 6,1 (OECD Test Guideline 107)
Autoignition Temperature:	> 400 °C
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
Explosive properties:	Not classified
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:	Hazardous polymerisation does not occur.
10.4 Conditions to avoid:	None known.
10.5 Incompatible Materials:	No data available.
10.6 Hazardous Decomposition Products:	No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

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) Dibutyltin Dilaurate	LD 50 (Rat): 2.071 mg/kg

Dermal

Product:	Not classified for acute toxicity based on available data.
Specified substance(s) Dibutyltin Dilaurate	LD 50 (Rat): > 2.000 mg/kg

Inhalation

Product:	Not classified for acute toxicity based on available data.
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Specified substance(s) Dibutyltin Dilaurate	No data available.
Repeated dose toxicity Product: Specified substance(s) Dibutyltin Dilaurate	No data available. 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:	OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit): Corrosive
Specified substance(s) Dibutyltin Dilaurate	(Rabbit): Severe skin irritation.
Serious Eye Damage/Eye Irritation: Product: Specified substance(s) Dibutyltin Dilaurate	No data available. OECD Test Guideline 405 (Rabbit, 21 d): Strongly irritating. Irritating to eyes.
Respiratory or Skin Sensitization: Product:	No data available.
Specified substance(s) Dibutyltin Dilaurate	Maximisation Test, OECD Test Guideline 406 (Guinea Pig): Sensitizer
Germ Cell Mutagenicity	
In vitro Product:	No data available.
Specified substance(s) 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) 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) Dibutyltin Dilaurate	No data available.
Reproductive toxicity Product:	No data available.
Specified substance(s) Dibutyltin Dilaurate	No data available.

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Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Dibutyltin Dilaurate No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Dibutyltin Dilaurate No data available.

Target Organs:

thymus

thymus

Aspiration Hazard

Product: No data available.

Specified substance(s)

Dibutyltin Dilaurate 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)

Dibutyltin Dilaurate No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Dibutyltin Dilaurate 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)

Dibutyltin Dilaurate No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Dibutyltin Dilaurate No data available.

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Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

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)

Dibutyltin Dilaurate Biological degradability (39 d): 23 % The product is not readily biodegradable.

BOD/COD Ratio

Product: No data available.

Specified substance(s)

Dibutyltin Dilaurate No data available.

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

Dibutyltin Dilaurate The product is not bioaccumulating.

12.4 Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments

Dibutyltin Dilaurate No data available.

12.5 Results of PBT and vPvB assessment:

Dibutyltin Dilaurate Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

No data available.

12.6 Other adverse effects:

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information:

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

Disposal methods:

Can be incinerated when in compliance with local regulations.

SECTION 14: Transport information

ADR

- 14.1 UN Number: UN 1760
- 14.2 UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S.(Dibutyltin Dilaurate)
- 14.3 Transport Hazard Class(es)
 - Class: 8
 - Label(s): 8
 - Hazard No. (ADR): 80
 - Tunnel restriction code: (E)

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- 14.4 Packing Group: III
- 14.5 Environmental Hazards: Environmentally hazardous
Marine Pollutant Yes

ADN

- 14.1 UN Number: UN 1760
14.2 UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S.(Dibutyltin Dilaurate)
14.3 Transport Hazard Class(es)
Class: 8
Label(s): 8
14.4 Packing Group: III
- 14.5 Environmental Hazards: Environmentally hazardous
Marine Pollutant Yes

RID

- 14.1 UN Number: UN 1760
14.2 UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S.(Dibutyltin Dilaurate)
14.3 Transport Hazard Class(es)
Class: 8
Label(s): 8
14.4 Packing Group: III
- 14.5 Environmental Hazards: Environmentally hazardous
Marine Pollutant Yes

IMDG

- 14.1 UN Number: UN 1760
14.2 UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S.(Dibutyltin Dilaurate)
14.3 Transport Hazard Class(es)
Class: 8
Label(s): 8
EmS No.: F-A, S-B
14.4 Packing Group: III
14.5 Environmental Hazards: Environmentally hazardous
Marine Pollutant: Yes

IATA

- 14.1 UN Number: UN 1760
14.2 Proper Shipping Name: Corrosive liquid, n.o.s.(Dibutyltin Dilaurate)
14.3 Transport Hazard Class(es):
Class: 8
Label(s): 8
14.4 Packing Group: III
14.5 Environmental Hazards: Environmentally hazardous
Marine Pollutant: Yes

14.6 Special precautions for user: This product is considered hazardous for transportation. Momentive Performance Materials ships this material under Limited Quantity or Consumer Commodity provisions of the transport regulations. Dangerous for the environment Keep away from food, foodstuff, acids and bases.

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	100%

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	100%

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	100%

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work: none

15.2 Chemical safety assessment:

A Chemical Safety Assessment has been performed on this substance.

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.
EINECS, ELINCS or NLP:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
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.

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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.
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.

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

H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H341	Suspected of causing genetic defects.
H360FD	May damage fertility. May damage the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Training information: No data available.

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

- Skin Corr. 1C, H314
- Skin Sens. 1, H317
- Muta. 2, H341
- Repr. 1B, H360FD
- STOT SE 1, H370
- STOT RE 1, H372
- 1, H400
- Aquatic Chronic 1, H410

Issue Date: 06.12.2017

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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.

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Annex to the extended Safety Data Sheet (eSDS)

Content

Exposure Scenario I.	Manufacture of substance
Exposure Scenario II.	Formulation into mixture
Exposure Scenario III.	Industrial use, Process regulators (synthesis regulators) - Catalysts
Exposure Scenario IV.	Additive premixing
Exposure Scenario V.	Manufacture of, Enamel
Exposure Scenario VI.	Enameling and coating of electrical wire
Exposure Scenario VII.	Professional use, Process regulators (synthesis regulators) - Catalysts
Exposure Scenario VIII.	Consumer use, Process regulators (synthesis regulators) - Catalysts

**Annex removed for online version.
To request a copy of this SDS complete
with DBT Exposure Scenario please email
techincal@techsil.co.uk.**