

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Kisling - 3160 paste

Revision date: 25.07.2023

Product code: 3160P

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

### 1.1. Product identifier

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UFI:

CY70-D0VE-A00Y-K1DN

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

#### Use of the substance/mixture

Adhesives and sealants

#### Uses advised against

No information available.

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Company name: Kisling AG  
Street: Motorenstrasse 102  
Place: CH-8620 Wetzikon  
Telephone: +41 58 272 0 272  
E-mail: customerservice@kisling.com  
Internet: www.kisling.com

#### Supplier

Company name: Kisling (Deutschland) GmbH  
Street: Salzstraße 15  
Place: D-74676 Niedernhall  
Telephone: +49 7940 50961 61  
E-mail: customerservice@kisling.com  
Contact person: Dr. Hans Götz Telephone: +49 7940 5096 143  
E-mail: compliance@kisling.com  
Internet: www.kisling.com

### 1.4. Emergency telephone number:

24 hr. emergency phone number +1 872 5888271 (KAR)  
Medicines & Poisons Info Office +356 2545 6508

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Special labelling of certain mixtures

EUH208 Contains Dimethylbis[(1-oxoneodecyl)oxy]stannane. May produce an allergic reaction.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of substances listed below with nonhazardous components.

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
37859-55-5	2-Pentanone, 2,2',2"-[O,O',O"]-(methylsilylidyne)trioxime]			1 - < 5 %
	484-460-1		01-2120004323-76	
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
58190-62-8	2-Pentanone, 2,2',2"-[O,O',O"]-(ethenylsilylidyne)trioxime]			1 - < 5 %
	700-810-0		01-2120006148-66	
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
68928-76-7	Dimethylbis[(1-oxoneodecyl)oxy]stannane			< 0.1 %
	273-028-6		01-2120770324-57	
	Acute Tox. 4, Skin Irrit. 2, Skin Sens. 1A, Aquatic Chronic 3; H302 H315 H317 H412			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
37859-55-5	484-460-1	2-Pentanone, 2,2',2"-[O,O',O"]-(methylsilylidyne)trioxime]	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = ca. 1234 mg/kg	
58190-62-8	700-810-0	2-Pentanone, 2,2',2"-[O,O',O"]-(ethenylsilylidyne)trioxime]	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 1000 - < 2000 mg/kg	
68928-76-7	273-028-6	Dimethylbis[(1-oxoneodecyl)oxy]stannane	< 0.1 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = 892 mg/kg	

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Take off immediately all contaminated clothing.

##### After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. When in doubt or if symptoms are observed, get medical advice.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

##### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

##### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Get immediate medical advice/attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No further relevant information available.

### SECTION 5: Firefighting measures

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#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Co-ordinate fire-fighting measures to the fire surroundings.

##### **Unsuitable extinguishing media**

No information available.

#### **5.2. Special hazards arising from the substance or mixture**

In case of fire and/or explosion do not breathe fumes.

#### **5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

##### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **General advice**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### **6.3. Methods and material for containment and cleaning up**

##### **For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

No special handling advices are necessary.

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

##### **Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

##### **Further information on handling**

Keep only in the original container in a cool, well-ventilated place.

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

##### **Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

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#### Hints on joint storage

none

#### Further information on storage conditions

Store in a cool dry place. Protect from direct sunlight.

#### 7.3. Specific end use(s)

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### DNEL/DMEL values

CAS No	Name of agent			
DNEL type		Exposure route	Effect	Value
37859-55-5	2-Pentanone, 2,2',2''-[O,O',O''-(methylsilylidyne)trioxime]			
Worker DNEL, long-term		inhalation	systemic	0,229 mg/m³
Worker DNEL, long-term		dermal	systemic	0,065 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,057 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,033 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,033 mg/kg bw/day
58190-62-8	2-Pentanone, 2,2',2''-[O,O',O''-(ethenylsilylidyne)trioxime]			
Worker DNEL, long-term		inhalation	systemic	0,229 mg/m³
Worker DNEL, long-term		dermal	systemic	0,065 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,057 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,033 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,033 mg/kg bw/day

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#### PNEC values

CAS No	Name of agent	
Environmental compartment		Value
37859-55-5	2-Pentanone, 2,2',2''-[O,O',O''-(methylsilyldiylidene)trioxime]	
Freshwater		0,1 mg/l
Marine water		0,01 mg/l
Freshwater sediment		0,569 mg/kg
Marine sediment		0,057 mg/kg
Micro-organisms in sewage treatment plants (STP)		2,15 mg/l
Soil		0,044 mg/kg
58190-62-8	2-Pentanone, 2,2',2''-[O,O',O''-(ethenylsilyldiylidene)trioxime]	
Freshwater		0,103 mg/l
Marine water		0,01 mg/l
Freshwater sediment		0,586 mg/kg
Marine sediment		0,059 mg/kg
Micro-organisms in sewage treatment plants (STP)		2,22 mg/l
Soil		0,046 mg/kg

#### 8.2. Exposure controls



##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

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

##### Eye/face protection

Suitable eye protection: goggles.

##### Hand protection

Hand protection EN ISO 374

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Tested protective gloves must be worn.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Wear suitable protective clothing. The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:

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Colour:	grey	
Odour:	characteristic	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not applicable
Flammability:		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		not applicable
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined
Water solubility:		not determined
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Density (at 20 °C):		1,25 g/cm <sup>3</sup>
Relative density:		not determined
Relative vapour density:		Not determinable due to hydrolysis.

#### 9.2. Other information

##### Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Oxidizing properties

not determined

##### Other safety characteristics

Evaporation rate:

not determined

Solid content:

not determined

Viscosity / dynamic:

not determined

(at 25 °C)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No further relevant information available.

## SECTION 11: Toxicological information

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

##### Toxicokinetics, metabolism and distribution

No data available

##### Acute toxicity

Based on available data, the classification criteria are not met.

##### ATEmix calculated

ATE (oral) 19513 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
37859-55-5	2-Pentanone, 2,2',2''-[O,O',O''-(methylsilylidyne)trioxime]				
	oral	LD50 ca. 1234 mg/kg	Rat	Study report (2008)	OECD Guideline 425
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1995)	EU Method B.3
58190-62-8	2-Pentanone, 2,2',2''-[O,O',O''-(ethenylsilylidyne)trioxime]				
	oral	LD50 > 1000 - < 2000 mg/kg	Rat	Study report (2012)	OECD Guideline 423
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1995)	EU Method B.3
68928-76-7	Dimethylbis[(1-oxoneodecyl)oxy]stannane				
	oral	LD50 892 mg/kg	Rat	Study report (2001)	OECD Guideline 401
	dermal	LD50 >2000 mg/kg	Rat	Pre-supplier/manufacturer	

##### Irritation and corrosivity

Based on available data, the classification criteria are not met.

##### Sensitising effects

Contains Dimethylbis[(1-oxoneodecyl)oxy]stannane. May produce an allergic reaction.

##### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

##### STOT-single exposure

Based on available data, the classification criteria are not met.

##### STOT-repeated exposure

Based on available data, the classification criteria are not met.

##### Aspiration hazard

Based on available data, the classification criteria are not met.

##### Specific effects in experiment on an animal

No data available

##### Additional information on tests

No data available

##### Practical experience

May be harmful if swallowed, in contact with skin or if inhaled.

#### 11.2. Information on other hazards

##### Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

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## SECTION 12: Ecological information

### 12.1. Toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
37859-55-5	2-Pentanone, 2,2',2''-[O,O',O''-(methylsilyldiylidene)trioxime]					
	Acute fish toxicity	LC50 > 113 mg/l	96 h		REACH Registration Dossier	
	Acute algae toxicity	ErC50 100 mg/l	72 h		REACH Registration Dossier	
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
58190-62-8	2-Pentanone, 2,2',2''-[O,O',O''-(ethenylsilyldiylidene)trioxime]					
	Acute fish toxicity	LC50 > 117 mg/l	96 h		REACH Registration Dossier	
	Acute algae toxicity	ErC50 103 mg/l	72 h		REACH Registration Dossier	
	Acute crustacea toxicity	EC50 > 117 mg/l	48 h		REACH Registration Dossier	
68928-76-7	Dimethylbis[(1-oxoneodecyl)oxy]stannane					
	Acute algae toxicity	ErC50 7,6 mg/l	72 h	Raphidocelis subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 39 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
37859-55-5	2-Pentanone, 2,2',2''-[O,O',O''-(methylsilyldiylidene)trioxime]	ca. 1,25
58190-62-8	2-Pentanone, 2,2',2''-[O,O',O''-(ethenylsilyldiylidene)trioxime]	ca. 1,25
68928-76-7	Dimethylbis[(1-oxoneodecyl)oxy]stannane	5,503

### BCF

CAS No	Chemical name	BCF	Species	Source
37859-55-5	2-Pentanone, 2,2',2''-[O,O',O''-(methylsilyldiylidene)trioxime]	3,103		REACH Registration D
58190-62-8	2-Pentanone, 2,2',2''-[O,O',O''-(ethenylsilyldiylidene)trioxime]	3,103		REACH Registration D

### 12.4. Mobility in soil

No further relevant information available.

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#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No data available

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

##### List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

##### List of Wastes Code - contaminated packaging

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

##### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

#### Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
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**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

No information available.

#### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

### SECTION 15: Regulatory information

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

##### EU regulatory information

2010/75/EU (VOC): 1,166 % (14,578 g/l)

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

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#### Abbreviations and acronyms

CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).  
Acute Tox: Acute toxicity  
Skin Irrit: Skin irritation  
Eye Irrit: Eye irritation  
Skin Sens: Skin sensitisation  
Aquatic Chronic: Chronic aquatic hazard

#### Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Dimethylbis[(1-oxoneodecyl)oxy]stannane. May produce an allergic reaction.

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing,

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transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Adhesives and sealants	PW, C	6a, 6b, 12, 18, 19	1	11, 19	4, 8a, 8c, 8d	4e, 4g, 5c, 6g, 7c, 7g, 8, 10, 11, 13	110	K+D

- LCS: Life cycle stages
- PC: Product categories
- ERC: Environmental release categories
- TF: Technical functions
- SU: Sectors of use
- PROC: Process categories
- AC: Article categories

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)