

Version 5.1R	Page 1 / 16	Revision Date 20.11.2018
--------------	-------------	--------------------------

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

Product Identifier

Product Name: SiSiB® PC9540
 Chemical Name: ISOBUTYLISOPROPYLDIMETHOXYSILANE

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

Relevant applications identified For industrial use

Details of the supplier of the safety data sheet

Company Nanjing SiSiB Silicones Co., Ltd.
 Guanghua Sci & Tech Industrial Zone,
 No. 104, Guanghua Road, Nanjing 210007, P.R.China
 Email: SDS@SiSiB.com

Emergency Telephone Number: +86-25-8468-0091

SECTION 2: Hazardous identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 H226
 Acute toxicity H332
 (Inhalation: dust, mist) Category 4
 Skin corrosion/irritation, Category 2 H315

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]



Hazard pictograms (CLP)

Signal word (CLP): Warning

Hazard statements (CLP)
 H226 - Flammable liquid and vapor.
 H315 - Causes skin irritation.
 H332 - Harmful if inhaled.

Precautionary statements (CLP)
 P280- Wear protective gloves/protective clothing/eye protection/face protection.
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Version 5.1R	Page 2 / 16	Revision Date 20.11.2018
--------------	-------------	--------------------------

P240 - Ground/bond container and receiving equipment.
P261 - Avoid breathing vapors.
P264 - Wash hands thoroughly after handling.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P312 - Call a doctor if you feel unwell.

Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Substances

Substance type Mono-constituent
Name ISOBUTYLISOPROPYLDIMETHOXYSILANE
CAS-No. 111439-76-0

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isobutylisopropyldimethoxysilane	(CAS-No.) 111439-76-0 (EC-No.) 402-580-4	> 97	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
Methanol			Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation: vapor), H331 STOT SE 1, H370

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6	(3 =<C < 10) STOT SE 2, H371 (C >= 10) STOT SE 1, H370

Full text of H-statements: see section 16

Mixtures

Not applicable

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general

Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label. IF exposed or concerned: Get medical advice/attention.

If inhaled

Version 5.1R	Page 3 / 16	Revision Date 20.11.2018
--------------	-------------	--------------------------

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

In case of skin contact

Wash with plenty of soap and water. Get medical advice/attention.

In case of eye contact

Consult an eye specialist. Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If swallowed

Never give anything by mouth to an unconscious person. Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation

May cause irritation to the respiratory tract.

Symptoms/injuries after skin contact

Causes skin irritation.

Symptoms/injuries after eye contact

Causes serious eye irritation.

Symptoms/injuries after ingestion

Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness.

Chronic symptoms

On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system. Methanol may affect the central nervous system resulting in persistent or recurring headaches or impaired vision.

Indication of any immediate medical attention and special treatment needed

NOTE TO PHYSICIAN: This product reacts with water in the acid contents of the stomach to form methanol. The combination of visual disturbances, metabolic acidosis and formic acid in urine is evidence of methanol poisoning. The therapeutic intravenous administration of ethanol (10 mls/hour) allows methanol to be preferentially oxidized and reduces production of methanol metabolites. Acidosis must be treated with intravenous administration of sodium bicarbonate and methanol elimination may be increased by hemodialysis, as indicated. Treatment should be based on blood methanol levels and acid-base balance.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.

Unsuitable extinguishing media

None known.

Special hazards arising from the substance or mixture

Version 5.1R	Page 4 / 16	Revision Date 20.11.2018
--------------	-------------	--------------------------

Fire hazard

Flammable liquid and vapor. Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

Advice for firefighters

Firefighting instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures Remove ignition sources. Use special care to avoid static electric charges.

For non-emergency personnel

Protective equipment Wear protective equipment as described in Section 8.

Emergency procedures Evacuate unnecessary personnel.

For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up

For containment Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. Use only non-sparking tools.

Reference to other sections

See section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling Avoid all eye and skin contact and do not breathe vapor and mist. Provide local exhaust or general room ventilation. Ground/bond container and receiving equipment. Take precautionary measures

Version 5.1R	Page 5 / 16	Revision Date 20.11.2018
--------------	-------------	--------------------------

Hygiene measures	against static discharge. Use only non-sparking tools. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Conditions for safe storage, including any incompatibilities	
Technical measures	Use explosion-proof electrical equipment.
Storage conditions	Keep container tightly closed.
Incompatible materials	Oxidizing agent.
Storage area	Store in a well-ventilated place. Store away from heat.
Specific end use(s)	
No data available	

SECTION 8: Exposure Controls/Personal Protection

Control parameters

Methanol (67-56-1)

EU	IOELV TWA (mg/m ³)	260 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
Austria	MAK (mg/m ³)	260 mg/m ³
Austria	MAK (ppm)	200 ppm
Austria	MAK Short time value (mg/m ³)	1040 mg/m ³
Austria	MAK Short time value (ppm)	800 ppm
Belgium	Limit value (mg/m ³)	266 mg/m ³
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m ³)	333 mg/m ³
Belgium	Short time value (ppm)	250 ppm
Bulgaria	OEL TWA (mg/m ³)	260 mg/m ³
Bulgaria	OEL TWA (ppm)	200 ppm
Cyprus	OEL TWA (mg/m ³)	260 mg/m ³
Cyprus	OEL TWA (ppm)	200 ppm
France	VLE (mg/m ³)	1300 mg/m ³
France	VLE (ppm)	1000 ppm
France	VME (mg/m ³)	260 mg/m ³ (restrictive limit)
France	VME (ppm)	200 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	270 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW

Version 5.1R	Page 6 / 16	Revision Date 20.11.2018
--------------	-------------	--------------------------

Germany	TRGS 903 Biological limit value	values are observed) 30 mg/l (Medium: urine - Time: end of shift - Parameter: Methanol) 30 mg/l (Medium: urine - Time: end of several shifts - Parameter: Methanol (for long-term exposures)
Gibraltar	Eight hours mg/m ³	260 mg/m ³
Gibraltar	Eight hours ppm	200 ppm
Greece	OEL TWA (mg/m ³)	260 mg/m ³
Greece	OEL TWA (ppm)	200 ppm
Greece	OEL STEL (mg/m ³)	325 mg/m ³
Greece	OEL STEL (ppm)	250 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	250 ppm
Italy	OEL TWA (mg/m ³)	260 mg/m ³
Italy	OEL TWA (ppm)	200 ppm
Latvia	OEL TWA (mg/m ³)	260 mg/m ³
Latvia	OEL TWA (ppm)	200 ppm
USA IDLH	US IDLH (ppm)	6000 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	260 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	325 mg/m ³
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	260 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
Spain	VLA-ED (mg/m ³)	266 mg/m ³ (indicative limit value)
Spain	VLA-ED (ppm)	200 ppm (indicative limit value)
Switzerland	KZGW (mg/m ³)	1040 mg/m ³
Switzerland	KZGW (ppm)	800 ppm
Switzerland	MAK (mg/m ³)	260 mg/m ³
Switzerland	MAK (ppm)	200 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	133 mg/m ³
Netherlands	Grenswaarde TGG 8H (ppm)	100 ppm
United Kingdom	WEL TWA (mg/m ³)	266 mg/m ³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m ³)	333 mg/m ³
United Kingdom	WEL STEL (ppm)	250 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	250 mg/m ³

Version 5.1R	Page 7 / 16	Revision Date 20.11.2018
--------------	-------------	--------------------------

Denmark	Grænseværdie (langvarig) (mg/m ³)	260 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	200 ppm
Finland	HTP-arvo (8h) (mg/m ³)	270 mg/m ³
Finland	HTP-arvo (8h) (ppm)	200 ppm
Finland	HTP-arvo (15 min)	330 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	250 ppm
Hungary	AK-érték	260 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	260 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (mg/m ³)	780 mg/m ³ (calculated)
Ireland	OEL (15 min ref) (ppm)	600 ppm (calculated)
Lithuania	IPRV (mg/m ³)	260 mg/m ³
Lithuania	IPRV (ppm)	200 ppm
Malta	OEL TWA (mg/m ³)	260 mg/m ³
Malta	OEL TWA (ppm)	200 ppm
Norway	Grenseverdier (AN) (mg/m ³)	130 mg/m ³
Norway	Grenseverdier (AN) (ppm)	100 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	130 mg/m ³
Norway	Grenseverdier (Korttidsverdi) (ppm)	100 ppm
Poland	NDS (mg/m ³)	100 mg/m ³
Poland	NDSch (mg/m ³)	300 mg/m ³
Romania	OEL TWA (mg/m ³)	260 mg/m ³
Romania	OEL TWA (ppm)	200 ppm
Romania	OEL STEL (ppm)	5 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	260 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	200 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	250 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	200 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	350 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	250 ppm
Canada (Quebec)	VECD (mg/m ³)	328 mg/m ³
Canada (Quebec)	VECD (ppm)	250 ppm
Canada (Quebec)	VEMP (mg/m ³)	262 mg/m ³
Canada (Quebec)	VEMP (ppm)	200 ppm
Australia	TWA (mg/m ³)	262 mg/m ³
Australia	TWA (ppm)	200 ppm
Australia	STEL (mg/m ³)	328 mg/m ³
Australia	STEL (ppm)	250 ppm
Portugal	OEL TWA (mg/m ³)	260 mg/m ³ (indicative)

Version 5.1R	Page 8 / 16	Revision Date 20.11.2018
--------------	-------------	--------------------------

Portugal	OEL TWA (ppm)	limit value) 200 ppm (indicative limit value)
Portugal	OEL STEL (ppm)	250 ppm
Portugal	OEL chemical category (PT)	skin - potential for cutaneous exposure indicative limit value

Exposure controls

Appropriate engineering controls

Provide local exhaust or general room ventilation.

Personal protective equipment

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection

Neoprene or nitrile rubber gloves

Eye protection

Chemical goggles. Contact lenses should not be worn.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Form: liquid
Molecular mass	190.36 g/mol
Color	no data available
Odor	characteristic, mild
Odor Threshold	no data available
Refractive index	1.4125
pH	no data available
Relative evaporation rate (butyl acetate=1)	< 1
Melting point	no data available
Freezing point	< 0 °C
Boiling point	178 °C
Flash point:	50 °C
Auto-ignition temperature	no data available
Decomposition temperature	no data available

Version 5.1R	Page 9 / 16	Revision Date 20.11.2018
--------------	-------------	--------------------------

Flammability (solid, gas)	Flammable liquid and vapor.
Vapor pressure:	no data available
Relative vapor density at 20 °C	> 1
Relative density	0.867
Solubility	Insoluble in water. Reacts slowly with water.
Log Pow	no data available
Log Kow	no data available
Viscosity, kinematic	no data available
Viscosity, dynamic	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Explosive limits	no data available
Other information	
no data available	

SECTION 10: Stability And Reactivity

Reactivity
 no data available

Chemical stability
 Stable

Possibility of hazardous reactions
 Material decomposes slowly in contact with moist air or with water liberating methanol.

Conditions to avoid
 Heat. Open flame. Sparks

Incompatible materials
 Oxidizing agent.

Hazardous decomposition products
 Methanol. Organic acid vapors. Silicon dioxide.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity
 Inhalation: dust, mist: Harmful if inhaled.

ISOBUTYLISOPROPYLDIMETHOXYSILANE (111439-76-0)
 ATE CLP (dust,mist) 1.5 mg/l/4h

Methanol (67-56-1)
 LC50 inhalation rat (ppm) 22500 ppm (Exposure time: 8 h)
 ATE CLP (oral) 100 mg/kg bodyweight

Version 5.1R	Page 10 / 16	Revision Date 20.11.2018
--------------	--------------	--------------------------

ATE CLP (dermal)	300 mg/kg bodyweight
ATE CLP (vapors)	3 mg/l/4h
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Material generates methanol on contact with water or moisture in skin, eyes and mucous membranes and has an irritating, dehydrating effect on overexposed tissue.
Symptoms/effects after inhalation	May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	Causes skin irritation.
Symptoms/effects after eye contact	Causes serious eye irritation.
Symptoms/effects after ingestion	Oral toxicity is associated with methanol, the solvent and a hydrolysis product which causes nausea, vomiting, headache, visual effects including blindness.
Chronic symptoms	On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system. Methanol may affect the central nervous system resulting in persistent or recurring headaches or impaired vision.
Reason for classification	Expert judgment

SECTION 12: Ecological Effects

Toxicity

No data available

Methanol (67-56-1)	
LC50 fish 1	28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Persistence and degradability

No data available

Bioaccumulative potential

Methanol (67-56-1)	
BCF fish 1	< 10

Version 5.1R	Page 11 / 16	Revision Date 20.11.2018
--------------	--------------	--------------------------

Log Pow	-0.77
---------	-------

Mobility in soil

No data available

Results of PBT and vPvB assessment

No additional information available

Other adverse effects

This substance may be hazardous to the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Sewage disposal recommendations	Do not dispose of waste into sewer.
Product/Packaging disposal recommendations	Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.
Ecology - waste materials	Avoid release to the environment.

SECTION 14: Transport Information

UN number

In accordance with ADR / RID / IMDG / IATA / ADN

UN-No. (ADR)	1993
UN-No. (IMDG)	1993
UN-No. (IATA)	1993
UN-No. (ADN)	1993
UN-No. (RID)	1993

UN proper shipping name

Proper Shipping Name (ADR)	FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IMDG)	FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IATA)	Flammable liquid, n.o.s.
Proper Shipping Name (ADN)	FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (RID)	FLAMMABLE LIQUID, N.O.S.
Transport document description (ADR)	UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOBUTYLISOPROPYLDIMETHOXYSILANE), 3, III, (D/E)
Transport document description (IMDG)	UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOBUTYLISOPROPYLDIMETHOXYSILANE), 3, III
Transport document description (IATA)	UN 1993 Flammable liquid, n.o.s. (ISOBUTYLISOPROPYLDIMETHOXYSILANE), 3, III
Transport document description (ADN)	UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOBUTYLISOPROPYLDIMETHOXYSILANE), 3, III

Version 5.1R	Page 12 / 16	Revision Date 20.11.2018
--------------	--------------	--------------------------

Transport document description (RID)

UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOBUTYLISOPROPYLDIMETHOXYSILANE), 3, III

Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) 3

Danger labels (ADR) 3



IMDG

Transport hazard class(es) (IMDG) 3

Danger labels (IMDG) 3



IATA

Transport hazard class(es) (IATA) 3

Danger labels (IATA) 3



ADN

Transport hazard class(es) (ADN) 3

Danger labels (ADN) 3



RID

Transport hazard class(es) (RID) 3

Danger labels (RID) 3



Packing group

Packing group (ADR) III

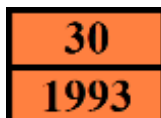
Version 5.1R	Page 13 / 16	Revision Date 20.11.2018
--------------	--------------	--------------------------

Packing group (IMDG)	III
Packing group (IATA)	III
Packing group (ADN)	III
Packing group (RID)	III
Environmental hazards	
Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

Special precautions for user

Overland transport

Classification code (ADR)	F1
Special provisions (ADR)	274, 601, 640E
Limited quantities (ADR)	5I
Excepted quantities (ADR)	E1
Packing instructions (ADR)	P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	MP19
Portable tank and bulk container instructions (ADR)	T4
Portable tank and bulk container special provisions (ADR)	TP1, TP29
Tank code (ADR)	LGBF
Vehicle for tank carriage	FL
Transport category (ADR)	3
Special provisions for carriage - Packages (ADR)	V12
Special provisions for carriage - Operation (ADR)	S2
Hazard identification number (Kemler No.)	30



Orange plates	
Tunnel restriction code (ADR)	D/E

Transport by sea

Special provisions (IMDG)	223, 274, 955
Limited quantities (IMDG)	5 L
Excepted quantities (IMDG)	E1
Packing instructions (IMDG)	P001, LP01
IBC packing instructions (IMDG)	IBC03
Tank instructions (IMDG)	T4
Tank special provisions (IMDG)	TP1, TP29

Version 5.1R	Page 14 / 16	Revision Date 20.11.2018
--------------	--------------	--------------------------

EmS-No. (Fire) F-E

EmS-No. (Spillage) S-E

Stowage category (IMDG) A

Air transport

PCA Excepted quantities (IATA) E1

PCA Limited quantities (IATA) Y344

PCA limited quantity max net quantity (IATA)10L

PCA packing instructions (IATA) 355

PCA max net quantity (IATA) 60L

CAO packing instructions (IATA) 366

CAO max net quantity (IATA) 220L

Special provisions (IATA) A3

ERG code (IATA) 3L

Inland waterway transport

Classification code (ADN) F1

Special provisions (ADN) 274, 601, 640E

Limited quantities (ADN) 5 L

Excepted quantities (ADN) E1

Carriage permitted (ADN) T

Equipment required (ADN) PP, EX, A

Ventilation (ADN) VE01

Number of blue cones/lights (ADN) 0

Rail transport

Classification code (RID) F1

Special provisions (RID) 274, 601, 640E

Limited quantities (RID) 5L

Excepted quantities (RID) E1

Packing instructions (RID) P001, IBC03, LP01, R001

Mixed packing provisions (RID) MP19

Portable tank and bulk T4

container instructions (RID)

Portable tank and bulk TP1, TP29

container special provisions (RID)

Tank codes for RID tanks (RID) LGBF

Transport category (RID) 3

Special provisions for carriage – Packages (RID)W12

Colis express (express parcels) (RID) CE4

Hazard identification number (RID) 30

Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15:Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture****EU-Regulations**

No REACH Annex XVII restrictions

ISOBUTYLISOPROPYLDIMETHOXSILANE is not on the REACH Candidate List

ISOBUTYLISOPROPYLDIMETHOXSILANE is not on the REACH Annex XIV List

National regulations**Germany**

Reference to AwSV

Water hazard class (WGK) 1, low hazard to water (Classification according to VwVwS, Annex 3; ID No. 5798)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen

The substance is not listed

SZW-lijst van mutagene stoffen

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling

The substance is not listed

Denmark

Class for fire hazard

Class II-1

Store unit

5 liter

Classification remarks

R10 <H226; H315; H332>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations

Young people below the age of 18 years are not allowed to use the product

Chemical safety assessment

No additional information available

SECTION 16: Other Information**Full text of H- and EUH-statements:**

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation: vapor)	Acute toxicity (inhalation: vapor) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation: dust, mist)	Acute toxicity (inhalation: dust, mist) Category 4
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H370	Causes damage to organs.

Further information

It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.