

According to directive 1907/2006/EC, 2020/878

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Version 11.0

Review date: 28-06-2023

Print date: 19-2-2025

Trade name: Silicone ASSYST 51/181/70 - hardener 24h (BLUESIL CATA 24H)

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

1.1 Product identification:

Product name: Silicone ASSYST 51/181/70 - hardener 24h (BLUESIL CATA 24H)

UFI code: 0890-A0MV-8000-MCSR

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

Identified uses: Hardener. Catalyst

Uses advised against: Not known.

1.3 Details of the supplier of the safety data sheet:

Responsible distributor : ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency phone number:

For Belgium: Call the **Poison Control Centre (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to directive (EC) No 1272/2008 and its amendments.

The product is classified according to current legislation.

Classification in accordance with Regulation (EC) No 1272/2008 as amended.

Health hazards

Skin sensitizer Category 1 H317: May cause an allergic skin reaction.

2.2 Labelling elements:

Labelling according to regulation (EC) No 1272/2008 [CLP/GHS]:

Hazard pictograms:



Signal word

Warning.

Contains:

- ✓ Dimethylbis[(1-oxoneodecyl)oxy]stannane

Hazard statements:

H317 May cause an allergic skin reaction.

Precautions

Prevention:

P261 Avoid inhalation of dust/fume/gas/mist/vapour/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Action:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

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P333+P313: In case of skin irritation or rash: consult a doctor.

P362+P364: Remove and wash contaminated clothing before reuse.

Waste disposal:

P501: Dispose of contents/packaging to an appropriate waste disposal site in accordance with applicable laws and regulations, and the characteristics of the product at the time of disposal.

UFI code: 0890-AOMV-8000-MCSR

2.3 Other hazards:

Physical Hazards:

Not classified as a flammability hazard. In the presence of water or moist air, the product hydrolyses into hazardous substance(s).

The hydrolysis rate and consequently the relevance to the hazard profile of the product are highly dependent on the conditions of use (temperature, humidity...).

Health hazards:

Inhalation:

No specific symptoms listed.

Eye contact:

No specific symptoms listed.

Skin contact:

May cause allergic skin reaction.

Ingestion:

No specific symptoms listed.

Other health implications:

No other information given.

Environmental hazards:

Considered not harmful to the environment.

Results of PBT and vPvB assessment:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disruption - Health:

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Endocrine disruption - Environment:

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Other dangers:

No other information given.

Substance(s) formed under conditions of use:

Chemical name	Concentration *	CAS No.	EC No.	Classification
ethanol; ethyl alcohol	<20%	64-17-5	200-578-6	Flam. Liq. 2 H225; Eye Dam. 2 H319;
propane-1-ol	<10%	71-23-8	200-746-9	Flam. Liq. 2 H225; Eye Dam. 1 H318; STOT SE 3 H336;

* All concentrations are expressed by weight unless the component is a gas.

Gas concentrations are expressed as volume percentages.

The full text of all H-phrases is shown in Section 16.

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SECTION 3: Composition and information on ingredients**3.2 Mixtures:****General information:** Mixture of organosiloxane, additive

Chemical name	CAS no. EC no. REACH registration number	Conc. *	Classification	Specific concentration limit / ATE / M-factors:	Comments
dimethylbis[(1-oxoneodecyl)oxy]stannane	68928-76-7 273-028-6 01-2120770324-57	5 - <10%	Acute Tox. 4 H302; Skin Sens. 1A H317; Skin Irrit. 2 H315; Aquatic Chronic 3 H412;	No	#
benzene, C10-13 alkyl derivatives	67774-74-7 267-051-0 01-2119489372-31	1 - <10%	Asp. Tox. 1 H304;	No	

* All concentrations are expressed as weight percent unless the constituent is a gas. Gas concentrations are expressed as percent by volume.

One or more occupational exposure limit values have been established for this substance.

This substance is listed as a substance of very high concern (SVHC).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

ED: Endocrine disruptor.

The full text of all H-phrases is shown in Section 16.

SECTION 4: First aid measures**General information:**

Move into fresh air and let it rest.

Remove and wash contaminated clothing before reuse.

Seek medical attention immediately.

4.1 Description of first-aid measures:**Inhalation:**

Inhalation of this substance does not normally pose a risk as long as it is used under normal conditions and for its intended use.

In case of inhalation: Move the person to fresh air and let him/her rest.

Seek medical attention if symptoms occur.

Skin contact:

Rinse immediately with plenty of water for at least 15 minutes and remove contaminated clothing and shoes.

Wash skin with soap and water.

Seek medical attention immediately.

Keep contaminated clothing in sealed container until disposal or decontamination.

Wash contaminated clothes before reusing them.

Eye contact:

In case of contact with the eyes, rinse them thoroughly with clean water for at least 15 minutes.

Seek medical attention if symptoms occur.

Ingestion:

Do not induce vomiting.

Clean the mouth thoroughly with water.

Seek medical attention if symptoms occur.

Personal protection for first responders:

First responders should protect themselves and wear the recommended protective clothing (chemical-resistant gloves, splash protection).

Refer to Sections 5 and 8 for information on emergency procedures and protective equipment

4.2 Main acute and delayed symptoms and effects:

Important symptoms and effects are described in Section 11 (Toxicological information) of this safety data sheet.

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4.3 Indication of any necessary immediate medical care and special treatment:

Medical information:

No specific recommendations.

Show this Safety Data Sheet to the attending physician.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:

Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media:

When extinguishing fire, do not use water spray as it spreads the fire.

For further information, see section 10 : "Stability and Reactivity".

5.2 Special hazards arising from the substance or mixture:

Product burns if exposed to open flame.

Thermal decomposition or combustion can release carbon oxides, silicon oxides and other toxic gases or vapours.

5.3 Advice for firefighters:

Special firefighting procedures:

Apply standard fire-fighting procedures and take into account the hazards that may be posed by the other materials involved.

If this can be done safely, undamaged packages should be removed from the fire zone.

Evacuate to a safe location and alert emergency services

Water spray should be used for cooling containers/containers/packaging.

Contaminated firewater should be collected and disposed of separately.

This should not end up in drains or surface water.

Special protected equipment for firefighters:

In case of fire, wear self-contained breathing apparatus and full protective clothing.

SECTION 6: Measures in case of accidental release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Personnel not required or not equipped with personal protection should leave the area.

Note: Contaminated surfaces may be slippery.

Follow the recommendations for safe use and personal protective equipment.

Avoid contact with eyes, skin and clothing.

Ensure good ventilation.

Avoid inhalation of fumes, mist or dust.

Do not touch damaged containers/containers/packaging or spills unless appropriate protective clothing is worn.

Avoid further leaks and spills if it is safe to do so.

Alert the Health, Safety and Environment Department in case of leakage.

6.2 Environmental precautions:

Do not discharge into the environment.

Do not discharge to sewer, soil or aquatic environment.

Clean up leaks/spills.

If large quantities of the product have been spilt, contain and clean up.

Inform designated authorities if this material is released into the environment.

6.3 Methods and materials for containment and cleaning:

Access to contaminated area is for authorised persons only.

Absorb with sand or other inert absorbent material.

Scoop up and place in a container for reuse or disposal.

For large spills, a dike or other suitable containment should be provided to prevent the material from spreading.

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If the collected material can be pumped, the recovered material should be stored in a suitable container.

Never put the leaked product back into the original container for reuse.

Containers/containers with collected spill must be labelled in the prescribed manner with the designation of the contents and the appropriate hazard symbol.

Packaging must remain tightly closed.

To clean the floor and all objects soiled with this material, use a suitable solvent (see also § 9).

Rinse area with abundant water.

Collect waste and contaminated materials as soon as possible, remove from the workplace and store in a suitable container/container labelled appropriately.

Dispose of the residue in accordance with applicable regulations.

6.4 Reference to other sections:

Observe the important information in the other sections.

In particular, information on exposure control/personal protection and disposal provisions can be found in sections 8 and 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling of the substance or mixture:

Precautions:

Avoid inhalation of vapour/propellant/dust and contact with skin and eyes.

Ensure adequate ventilation, including suitable local exhaust ventilation, so that the established occupational exposure limit is not exceeded.

If ventilation is insufficient, suitable respiratory protection should be provided.

See Section 8. for personal protective equipment.

Make sure eye wash and safety showers are present and the way to them is clearly signposted.

Limit the quantity of the product within the work zone to that required for the work to be performed.

Act in accordance with good industrial hygiene and safety practices.

Handle and open packaging carefully.

Protect against contamination.

Do not mix with incompatible materials.

For further information, see section 10 : "Stability and Reactivity".

Avoid spills, waste and reduce the release of this product into the environment to the strict minimum.

In case of spills: be careful of slippery floors and surfaces.

Hygiene measures:

Observe good personal hygiene at all times: wash up after handling the substance and before eating, drinking and/or smoking.

Wash work clothes and protective equipment regularly to remove contaminants.

Contaminated work clothes must not leave the work area.

7.2 Conditions for safe storage, including incompatibilities:

Store in accordance with local/regional/national regulations.

Avoid discharge into sewers, waterways and soil.

Equipped with an impermeable bottom.

Store in a dry place.

Store in a well-ventilated place.

Keep in tightly closed container.

Store in properly labelled containers.

Keep temperature above freezing point of chemical product.

Protect against material damage and/or friction.

Keep away from incompatible substances.

For further information, see section 10 : "Stability and Reactivity".

Commonly used packaging at our sites:

Steel drums coated with epoxy resin

7.3 Specific end use:

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No specific recommendations.

See the technical data sheet of this product for more information.

SECTION 8: Exposure controls/personal protection measures**8.1 Control parameters:****Occupational Exposure Limits:**

dimethylbis[(1-oxoneodecyl)oxy]stannane

Type	Exposure limits	Source	Date	Comment
SKIN_DES	--	OEL (BE)	06 2007	Can be absorbed through the skin. As Sn
TWA	- 0.1 mg/m ³	OEL (BE)	06 2007	As Sn
STEL	- 0.2 mg/m ³	OEL (BE)	10 2018	As Sn

Additional exposure limit values under conditions of use:

ethanol; ethyl alcohol

Type	Exposure limits	Source	Date	Comment
TWA	1 000 ppm 1 907 mg/m ³	OEL (BE)	06 2007	

propane-1-ol

Type	Exposure limits	Source	Date	Comment
TWA	100 ppm 250 mg/m ³	OEL (BE)	04 2014	

Monitoring methods:

Ensure that worker exposure is controlled in accordance with national and European regulations, in particular Directives 98/24/EC and 2004/37/EC.

8.2 Exposure control measures:**Appropriate Technical Measures:**

Apply engineering control measures to keep concentration in air below permissible exposure limit.

The degree of protection and the nature of the measures required depend on the potential exposure conditions.

Technical control measures are always preferable to personal protective equipment.

Protective measures to be considered: Ensure adequate ventilation.

In case of insufficient ventilation: Use means to shut down the process, local exhaust ventilation, or other technical measures to keep the concentration of this product in the air below the recommended exposure limits.

Where exposure limits have not been set, keep airborne concentrations at acceptable levels.

Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment:

Avoid inhalation of vapours/propellant/dust and contact with skin and eyes.

Personal protective equipment must be chosen in accordance with applicable standards, adapted to the conditions in which the product is used and in consultation with the supplier of the personal protective equipment.

Eye/face protection:

Safety goggles with side shields

Hand protection:

This recommendation applies only to the product specified in the safety data sheet supplied by us, and the purpose of use specified by us.

When mixing this product with other substances, contact a supplier of EC-approved safety gloves to choose the appropriate gloves.

Prolonged or repeated contact:

Material: Nitrile.

Glove thickness: 1.25 mm

Directive: EN374-3

Other information: Gloves typically used in Elkem's premises.

Brief contact:

Material: Nitrile/Neoprene

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Glove thickness: 0.198 mm

Directive: EN374-3

Other information: Gloves typically used in Elkem laboratories.

Skin and body protection:

Wear suitable clothing to avoid any risk of skin contact.

Isolate and wash contaminated clothing before reuse.

In case of splash hazard: wear an apron or special work clothes.

Respiratory protection:

If engineering controls are insufficient to keep airborne concentrations below the recommended exposure limits (if applicable) or at acceptable levels (in countries where no exposure limits have been set), an approved respiratory protective device must be worn.

Use the following EC-approved air-purifying respirators: respirator with combined filter of the ABEK type.

Wear respiratory protection with combination filter (dust and gas filter) during activities that may give rise to dust/gas formation.

Self-contained breathing apparatus.

Work environment measures:

See sections 7 and 13 of the safety data sheet.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Occurrence:

Aggregation state:

liquid

Form:

No data available.

Colour:

Colourless

Odour:

Odourless

pH:

By definition, a pH measurement determines the concentration of hydrogen ions in a usually aqueous solution. Silicone products are hydrophobic and are therefore insoluble in water. Consequently, the pH value cannot be measured.

Melting point/freezing point:

No data available.

Boiling point:

No data available.

Flash point:

98 °C (Cleveland open cup test, ISO 2592)

The flash point drops in the presence of moist air which, through hydrolysis, releases volatile compounds.

Flammability:

Not classified as a flammability hazard.

Flammability limit - upper (%):

No data available.

Flammability limit - lower (%):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Evaporation rate:

No data available.

Density:

Approximately 1.01 kg/dm³ (20 °C)

Solubility:

Solubility in water:

Practically insoluble

Solubility (other):

Acetone: Miscible (in all proportions).

Aliphatic hydrocarbons: Miscible (in all ratios).

Aromatic hydrocarbons: Miscible (in all proportions).

Chlorinated solvents: Mixable (in all ratios).

Ethanol: Dispersible

Partition coefficient (n-octanol/water):

No data available.

Self-ignition temperature:

No data available.

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Decomposition temperature:

No data available.

Viscosity, kinematic:

Approximately 50 mm²/s (25 °C)

Particle characteristics:

Not applicable.

9.2 Other information:

Viscosity, dynamic:

Approximate 50 mPa.s (25 °C)

Oxidising properties:

According to constituent data.

Not considered oxidative.

(evaluation by structure/activity-re)

SECTION 10: Stability and reactivity

10.1 Reactivity:

Reacts slowly in contact with water.

10.2 Chemical stability:

Stable under normal temperature conditions and recommended use.

10.3 Possible hazardous reactions:

May generate hazardous substances during use or in contact with water.

10.4 Conditions to avoid:

Avoid contact with water or moist air.

The product hydrolyses, which may release volatile flammable and/or toxic substance(s).

Avoid heat, sparks, open flames and other sources of ignition.

10.5 Incompatible materials:

Strong oxidising agents. Water, moisture.

10.6 Hazardous decomposition products:

Thermal decomposition or combustion can release carbon oxides and other toxic gases or vapours.

Amorphous silica.

Tin oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

Ingestion:

Based on available data, not classified for acute toxicity.

Skin contact:

Based on available data, not classified for acute toxicity.

Inhalation:

Based on available data, not classified for acute toxicity.

Repeated-dose toxicity:

Based on our knowledge of information related to composition:

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

NOAEL (No Observed Adverse Effect Level): 50 mg/kg ;

LOAEL (Lowest Observed Adverse Effect Level): 500 mg/kg ; (Rat ; Female, Male ; Oral) ;

Method: According to a standardised method. ;

Subchronic exposure. Results were obtained with a similar product.

Skin corrosion/irritation:

Based on our knowledge of information related to composition:

Causes skin irritation.

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNANE (68928-76-7):

Irritant. (EpiDerm™ Human Skin Model) ;

Method: OECD 439

Non-corrosive to skin (EpiDerm™ Human Skin Model) ;

Method: OECD 431

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

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Slight irritant (Rabbit) ;

Method: According to a standardised method.

Serious Eye Injury/Eye Irritation:

Based on our knowledge of information related to composition:

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNANE (68928-76-7):

Non-irritant (Beef, cornea) ;

Method: OECD 437

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

Not irritating (Rabbit) ;

Method: According to a standardised method.

Respiratory or skin sensitisation:

Based on our knowledge of information related to composition:

May cause allergic skin reaction.

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNANE (68928-76-7):

Skin sensitiser: Skin sensitiser (guinea pig) ;

Results were obtained with a similar product.

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

Skin sensitisation: No skin sensitiser. (Test guinea pig) ;

Method: OECD 406

Mutagenicity in Sex Cells:

In vitro:

Based on our knowledge of information related to composition:

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNANE (68928-76-7):

Back mutation test with bacteria: No mutagenic effects. (Salmonella typhimurium and Escherichia coli ; With and without metabolic activation) ;

Method: OECD 471

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

Back mutation test with bacteria: No mutagenic effects. (Salmonella typhimurium ; With and without metabolic activation) ;

Method: According to a standardised method. ;

Results were obtained with a similar product.

In vitro gene mutation assay on mammalian cells: No mutagenic effects. (Oocytes from Chinese hamsters ;

With and without metabolic activation) ;

Method: OECD 476 ;

Results were obtained with a similar product.

In vivo:

Based on our knowledge of information related to composition:

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

Micronucleus test in mammalian erythrocytes: negative (Mouse ; Ingestion) ;

Method: OECD 474

Chromosomal aberration test on mammalian bone marrow: negative (Rat ; Ingestion) ;

Method: OECD 475 ; Results were obtained with a similar product.

Carcinogenicity:

No data available.

Reproductive toxicity:

fertility:

Based on our knowledge of information related to composition:

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

Unclassified

Fertility study over 2 generations:

NOAEL (parent): 50 mg/kg ;

NOAEL (F1): 50 mg/kg ;

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NOAEL (F2): None. (Rat ; Female, Male ; Ingestion) ;

Method: OECD 416

Teratogenicity:

Based on our knowledge of information related to composition:

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

Unclassified

NOAEL (terato): 500 mg/kg ;

NOAEL (mater): 125 mg/kg (Rat ; Ingestion) ;

Method: OECD 414

Specific Target Organ Toxicity - Single Exposure:

Based on our knowledge of information related to composition:

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNANE (68928-76-7):

Based on available data, the classification criteria have not been met.

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

Based on available data, the classification criteria have not been met.

Specific Target Organ Toxicity - Repeated Exposure:

Based on our knowledge of information related to composition:

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNANE (68928-76-7):

Based on available data, the classification criteria have not been met.

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

Based on available data, the classification criteria have not been met.

Aspiration hazard:

Based on our knowledge of information related to composition:

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNANE (68928-76-7):

Based on available data, the classification criteria have not been met.

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

May be fatal if substance enters respiratory tract if swallowed.

11.2 Information on other hazards:

Endocrine-disrupting properties:

No data available.

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

Fish:

Based on our knowledge of information related to composition:

BENZENE, C10-13-ALKYLDERIVATES (CAS no. 67774-74-7):

LC 50 (Danio rerio; 14 d) : > 0.01 mg/l ;

Method: According to a standardised method. ;

No effect was observed up to the highest test dose.

Aquatic Invertebrates:

Based on our knowledge of information related to composition:

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNAAN (CAS No 68928-76-7):

EC50 (Water flea (Daphnia magna); 48 h) : 39 mg/l ;

Method: OECD 202

BENZENE, C10-13-ALKYLDERIVATES (CAS no. 67774-74-7):

EC50 (Water flea (Daphnia magna); 48 h) : > 0.041 mg/l ;

Method: According to a standardised method. ;

No effect was observed up to the highest test dose.

Aquatic plants:

Based on our knowledge of information related to composition:

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNAAN (CAS No 68928-76-7):

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ErC50 (Seaweed (*Pseudokirchneriella subcapitata*); 72 h) : 7.6 mg/l ;

Methodology: OECD 201

NOEC (growth rate) (Seaweed (*Pseudokirchneriella subcapitata*); 72 h) : 1.2 mg/l ;

Methodology: OECD 201

BENZENE, C10-13-ALKYLDERIVATES (CAS no. 67774-74-7):

ErC50 (Green seaweed (*Scenedesmus subspicatus*); 72 h) : 0.1 mg/l ;

Methodology: OECD 201

NOEC (growth rate) (Green algae (*Scenedesmus subspicatus*); 72 h) : ≥ 0.05 mg/l ;

Methodology: OECD 201

Toxicity to micro-organisms:

No data available.

Chronic toxicity:

Fish:

Based on our knowledge of information related to composition:

BENZENE, C10-13-ALKYLDERIVATES (CAS no. 67774-74-7):

NOEC (*Danio rerio*; 21 d) : 0.058 mg/l ;

Method: According to a standardised method.

Aquatic Invertebrates:

Based on our knowledge of information related to composition:

BENZENE, C10-13-ALKYLDERIVATES (CAS no. 67774-74-7):

NOEL (*Water flea (Daphnia magna)*; 21 d) : 10 mg/l ;

Method: OECD 211 ;

Nominal degree of loading (saturated solution or WAF/WSF).

12.2 Persistence and Degradability:

Stability in water:

No data available.

Biodegradation:

Based on our knowledge of information related to composition:

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNANE (68928-76-7):

The 10-day window does not apply to complex multi-component substances with structurally similar 0 % (Activated sludge, municipal (adjustment not specified) ; 28 d) ;

Method: OECD 301 B ;

The product is not easily biodegradable.

The substance does not meet the criteria for ready biodegradability and ultimate aerobic biodegradability.

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

64 % (Activated sludge (adjustment not specified) ;

28 d ; Oxygen deficiency) ;

Method: OECD 301 F ;

Easily biodegradable.

The substance meets the criteria for ultimate aerobic biodegradability and ready biodegradability.

BOD/COD ratio:

No data available.

12.3 Bioaccumulation:

Bioconcentration factor (BCF):

Based on our knowledge of information related to composition:

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

Bioconcentration factor (BCF): 35 (*Moonfish (Lepomis macrochirus)* ; 48 d) ;

Method: According to a standardised method. ;

The product is not considered to have a bioaccumulation potential.

Partition coefficient (n-octanol/water):

Based on our knowledge of information related to composition:

DIMETHYLBIS[(1-OXONEODECYL)OXY]STANNANE (68928-76-7):

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Log Kow: 5,503 ; Method: QSAR

BENZENE, C10-13-ALKYL DERIVATIVES (67774-74-7):

Log Kow: 7.9 ; Method: OECD 117

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

12.6 Endocrine-disrupting properties:

No data available.

12.7 Other Harmful Effects:

No data available.

SECTION 13: Disposal instructions

13.1 Waste treatment methods:

Do not throw waste into the sink.

The user should be aware of the possible existence of local ordinances and regulations regarding waste disposal.

Observe the important information in the other sections.

In particular, information on hazard identification and product stability and reactivity in sections 2 and 10.

Removal methods:

Dispose of the waste to an appropriate treatment and disposal facility.

In doing so, take into account the applicable laws and regulations and the characteristics of the product at the time of disposal.

Burn in suitable incinerator.

Contaminated Packaging:

Contaminated packaging should be as empty as possible.

After cleaning, reuse or have it disposed of by an authorised waste processor.

Packaging that cannot be cleaned should be disposed of in the same way as the product it contains.

Waste code:

The European Waste Catalogue (EWC) waste code cannot be determined for this product, as its determination depends on how the product is used by end-users.

The waste code must be established within the EU in consultation with the disposer.

SECTION 14: Information relating to transport

14.1 UN number

The transport of this substance is not subject to regulations.

14.2 Proper cargo name according to UN model regulations

The transport of this substance is not subject to regulations.

14.3 Transport hazard class(es)

The transport of this substance is not subject to regulations.

14.4 Packing group

The transport of this substance is not subject to regulations.

14.5 Environmental hazards

The transport of this substance is not subject to regulations.

14.6 Special precautions for the user

The transport of this substance is not subject to regulations.

14.7 Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code

The transport of this substance is not subject to regulations.

SECTION 15: Statutory information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

Regulation 1005/2009/EC on Substances that Deplete the Ozone Layer, Annex I, Controlled Substances:

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Not present or not present in regulated quantities.

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New substances:

Not present or not present in regulated quantities.

Regulation (EU) 2019/1021 on persistent organic pollutants (revised), as amended:

Not present or not present in regulated quantities.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended:

Not present or not present in regulated quantities.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended:

Not present or not present in regulated quantities.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended:

Not present or not present in regulated quantities.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended:

Not present or not present in regulated quantities.

DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions (integrated pollution prevention and control), ANNEX II List of pollutants:

Chemical name	CAS no.
dimethylbis[(1-oxoneodecyl)oxy]stannane	68928-76-7

REGULATION (EC) No 1907/2006 (REACH), ANNEX XIV LIST OF AUTHORISED SUBSTANCES:

Not present or not present in regulated quantities.

EU. REACH Candidate list of substances of very high concern for authorisation (SVHC):

Not present or not present in regulated quantities.

Regulation (EC) No 1907/2006 Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles:

Chemical name	CAS no.	Entry no.	Concentration:
dimethylbis[(1-oxoneodecyl)oxy]stannane	68928-76-7	20 3	1-10%

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work:

Not present or not present in regulated quantities.

REGULATION (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register, ANNEX II: Pollutants:

Chemical name	CAS no.	Concentration:
dimethylbis[(1-oxoneodecyl)oxy]stannane	68928-76-7	1-10%

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out.

Classification data:

AU AIICL:	On or in accordance with the overview list.
DSL:	On or in accordance with the overview list.
IECSC:	On or in accordance with the overview list.
ENCS (JP):	Not in line with the overview list.
KECI (KR):	On or in accordance with the overview list.
NZIOC:	On or in accordance with the overview list.
PICCS (PH):	On or in accordance with the overview list.
TCSI:	At or in line with the overview list.
TSCA list:	On or consistent with the overview list.
TH ECINL:	On or in accordance with the overview list.
VN INVL:	On or in accordance with the overview list.
EU INV:	On or in accordance with the overview list.

According to directive 1907/2006/EC, 2020/878

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SECTION 16: Other information

Revision information:

SECTION 2: Amendment: identification of hazards
SECTION 3: Amendment: Composition and information on ingredients
SECTION 9 Modification: flash point
SECTION 10: Modification: Reactivity, Possible hazardous reactions, Conditions to avoid

Abbreviations and acronyms:

CLP: Regulation number 1272/2008.
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
NOAEL: No level of detectable adverse effect
LOAEL: Lowest level of detectable adverse effect
ED: Endocrine disruptor
SVHC: Listed in the candidate list of substances of very high concern (SVHC)

Classification and procedure used to derive the classification for mixtures in accordance with Regulation (EC) 1272/2008 [CLP]:

Classification:

Skin sensitiser ; Category 1 ; H317

Classification procedure:

Based on test data

Full text of H-phrases in sections 2 and 3:

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes severe eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long-lasting effects.

Issue date:

28-06-2023

Disclaimer of liability:

The information given relies on available data on the substance, its components and similar substances.
The information is believed to be correct.
It is in good faith.
This information should be used to independently determine methods to protect workers and the environment.