

SÜDWEST SiliconElast Fassadenfarbe

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier Trade name	SÜDWEST SiliconElast Fassadenfarbe
1.2 Relevant identified uses of the substance or mixture and uses advised against	Facade paint
Uses advised against	This information is not available.
1.3 Details of the supplier of the safety data sheet	SÜDWEST Lacke + Farben GmbH & Co.KG Iggelheimer Str. 13 D - 67459 Böhl-Iggelheim Telephone: +49 6324/709-0 Telefax: +49 6324/709-175 www.suedwest.de
E-mail address of person responsible for the SDS European Union	sdb@suedwest.de
1.4 Emergency telephone number European Union	Phone: +44 (0)1235 239 670

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Long-term (chronic) aquatic H412: Harmful to aquatic life with long lasting effects. hazard, Category 3

SAFETY DATA SHEET

SÜDWEST SiliconElast Fassadenfarbe

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements	H412	Harmful to aquatic life with long lasting effects.
Precautionary statements	Prevention: P273 Disposal:	Avoid release to the environment.
	P501	Contents/container to be disposed of through approved disposal contractor or

Additional Labelling:

EUH208	Contains 1,2-benzisothiazol-3(2H)-one, mixture of: 5- chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 2-methyl-2H-isothiazol-3-one. May produce an
	allergic reaction.
	For 2-Methyl-2H-Isothiazol-3-one (MIT), a labelling
	threshold of 15 ppm is voluntarily used in accordance
	with the CEPE recommendation (instead of 100 ppm).

Regulation concerning biocidal products (528/2012):

Contains 3-iodo2-propynyl butylcarbamate , isoproturon, Terbutryn, 1,2-benzisothiazol-3(2H)-one, bronopol (INN), mixture of: 5-chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1), 2-methyl-2Hisothiazol-3-one. As active agents for coating and storage protection in accordance with Biocidal Product Regulation (528/2012), Article 58(3)

taken to municipal collection point.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SÜDWEST SiliconElast Fassadenfarbe

3.2 Mixtures

Chemical nature

Water-based silicone resin exterior paint.

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
isoproturon	34123-59-6 251-835-4	Carc.2; H351 Aquatic Acute1; H400 Aquatic Chronic1; H410	≥ 0,025 - < 0,1
Terbutryn	886-50-0 212-950-5	Acute Tox.4; H302 Aquatic Acute1; H400 Aquatic Chronic1; H410	≥ 0,025 - < 0,1
1,2-benzisothiazol- 3(2H)-one	2634-33-5 220-120-9	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318 Skin Sens.1; H317 Aquatic Acute1; H400	≥ 0,0025 - < 0,025
bronopol (INN)	52-51-7 200-143-0	Eye Dam.1; H318 Acute Tox.4; H302 Acute Tox.4; H312 Skin Irrit.2; H315 STOT SE3; H335 Aquatic Acute1; H400 Aquatic Chronic1; H410	≥ 0,0025 - < 0,025
mixture of: 5-chloro- 2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9	Acute Tox.2; H330 Acute Tox.2; H310 Acute Tox.3; H301 Skin Corr.1B; H314 Skin Sens.1; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	≥ 0,0002 - < 0,0015

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

	Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.	
Inhalation	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.	
Skin contact	Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If skin irritation persists, call a physician.	
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.	
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention. Keep at rest.	
4.2 Most important symptoms and effects, both acute and delayed		
Symptoms	No information available.	
4.3 Indication of any immediate medical attention and special treatment needed		
Treatment	Treat symptomatically. No information available.	
SECTION 5: FIREFIGHTING MEASURES		
5.1 Extinguishing media		
Suitable extinguishing media	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical	

Unsuitable extinguishing media	High volume water jet
5.2 Special hazards arising from the substance or mixture	Fire may cause evolution of: Carbon monoxide Carbon dioxide (CO2) Nitrogen oxides (NOx)

Water spray

SÜDWEST SiliconElast **Fassadenfarbe**

Exposure to decomposition products may be a hazard to health.

5.3 Advice for	Wear self-contained breathing apparatus for firefighting if
firefighters	necessary.

Additional advice Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and	Ensure adequate ventilation. Do not breathe vapour.	
emergency procedures 6.2 Environmental precautions	The product should not be allowed to enter drains, water courses or the soil. If the product contaminates rivers and lakes or drains inform respective authorities.	
6.3 Methods and material for containment and cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean with detergents. Avoid solvents. Dispose of contaminated material as waste according to item 13. Clean contaminated surface thoroughly.	
6.4 Reference to other sections	Refer to protective measures listed in sections 7 and 8.	
SECTION 7: HANDLING AND STORAGE		

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Avoid contact with skin and eyes. Prevent unauthorized access. Provide sufficient air exchange and/or exhaust in work rooms. Comply with the statutory regulations on health and safety at work.
Hygiene measures	Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke. Remove and wash contaminated clothing and gloves,

including the inside, before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in original container. Observe label precautions. Protect from frost, heat and sunlight.
Advice on common storage	Keep away from oxidizing agents and strongly acid or alkaline materials.
7.3 Specific end use(s)	For further information, see also Technical Data Sheet for the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values. The lists that were valid during the creation were used as basis.

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

a) Eye/face protection	Wear protective goggles for protection against splashed liquid.
	Safety glasses with side-shields conforming to EN166
b) Skin protection Hand protection	Recommended preventive skin protection Before starting work, apply water-resistant skincare preparations to exposed skin areas. Protective gloves should be worn in case of skin contact during preparation and application.
	Break through time: 480 min Minimum thickness: 0,11 mm

SÜDWEST SiliconElast Fassadenfarbe

	Gloves made of nitrile rubber,e.g. KCL 740 Dermatril® (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent. Cotton undergloves are recommendable when wearing protective gloves! Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.
	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
Body Protection	Work clothes Skin should be washed after contact. Do NOT use solvents or thinners.
c) Respiratory protection	No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Employees involved in spraying work or in the immediate vicinity of such work should use a P2 particle filter against spray fog. Respiratory protection complying with EN 143.
Environmental exposure of	controls

General advice The product should not be allowed to enter drains, water courses or the soil. If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	white
Odour	characteristic
Odour Threshold	No data available
рН	ca. 8,0 - 9,0 (20 °C)

SÜDWEST SiliconElast Fassadenfarbe

Melting point/freezing point	< 0 °C
Initial boiling point and boiling range	No data available
Flash point	> 100 °C
Evaporation rate	not applicable
Flammability (solid, gas)	not applicable
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	ca. 1,4 - 1,5 g/cm3 (20 °C)
Solubility(ies) Water solubility	completely miscible
Partition coefficient: n- octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Decomposition temperature	No data available
Viscosity Viscosity, dynamic	ca. 4.000 mPa.s (20 °C)
Explosive properties	Not explosive
Oxidizing properties	Not applicable
9.2 Other information	
Flow time	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions This information is not available.

10.4 Conditions to avoid

Conditions to avoid	Stable under recommended storage and handling
	conditions (see section 7).

10.5 Incompatible materials

Materials to avoid	Strong acids and strong bases
	Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition
productsNo decomposition if stored and applied as directed.Decomposition
temperatureNo data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects Acute toxicity Product:		
Acute oral toxicity	Based on available data, the classification criteria are not met.	
Acute inhalation toxicity	Based on available data, the classification criteria are not met.	
Acute dermal toxicity	Based on available data, the classification criteria are not met.	
Components:		
Terbutryn: Acute oral toxicity	LD50 (Rat): 1.000 - 1.470 mg/kg	
Acute dermal toxicity	LD50 (Rabbit): > 2.000 mg/kg	

1,2-benzisothiazol-3(2H)-one: Acute oral toxicity Harmful if swallowed.

bronopol (INN):

Acute oral toxicityHarmful if swallowed.Acute dermal toxicityHarmful in contact with skin.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):

Acute oral toxicity Toxic if swallowed.

Acute inhalation toxicity Fatal if inhaled.

Acute dermal toxicity Fatal in contact with skin.

Skin corrosion/irritation <u>Product:</u>

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

Components: 1,2-benzisothiazol-3(2H)-one:

Causes skin irritation.

bronopol (INN):

Causes skin irritation.

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation <u>Product:</u>

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

Components:

1,2-benzisothiazol-3(2H)-one:

Causes serious eye damage.

bronopol (INN): Causes serious eye damage. Respiratory or skin sensitisation **Product:** Based on available data, the classification criteria are not met. **Components:** 1,2-benzisothiazol-3(2H)-one: May cause an allergic skin reaction. mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1): May cause an allergic skin reaction. Germ cell mutagenicity **Product:** Genotoxicity in vitro Based on available data, the classification criteria are not met. Carcinogenicity Product: Based on available data, the classification criteria are not met. Components: isoproturon: Suspected of causing cancer. **Reproductive toxicity Product:** Effects on fertility Based on available data, the classification criteria are not met. **Developmental Toxicity** Based on available data, the classification criteria are not met. STOT - single exposure **Product:** Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

SÜDWEST SiliconElast Fassadenfarbe

Components:

bronopol (INN):	
Exposure routes	
Assessment	

Inhalation May cause respiratory irritation.

STOT - repeated exposure Product:

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

Aspiration toxicity <u>Product:</u> Based on available data, the classification criteria are not met.

Further information <u>Product:</u>

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity		
Product:		
Toxicity to fish	No data available	
Components:		

isoproturon ·

isoproturon :	
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 1 mg/l Exposure time: 48 h
M-Factor (Short-term (acute) aquatic hazard)	10
M-Factor (Long-term (chronic) aquatic hazard) Terbutryn :	10
Toxicity to fish	LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,1 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia (water flea)): 2,66 mg/l Exposure time: 48 h

SAFETY DATA SHEET

SÜDWEST SiliconElast Fassadenfarbe

M-Factor (Short-term (acute) aquatic hazard)	10
Toxicity to fish (Chronic toxicity)	NOEC: 0,01 mg/l Exposure time: 21 d Species: Oncorhynchus mykiss (rainbow trout)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 1,3 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)
M-Factor (Long-term (chronic) aquatic hazard)	10
1,2-benzisothiazol-3(2H)-one	2:
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 1,6 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia (water flea)): 2,94 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae	EC50 (Selenastrum capricornutum (green algae)): 0,11 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Short-term (acute) aquatic hazard)	1
Toxicity to bacteria	EC50 (Pseudomonas putida): 0,4 mg/l Exposure time: 16 h
bronopol (INN) :	
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 3,0 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 1,04 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae	NOEC (Anabaena flos-aquae (cyanobacterium)): 0,0025 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

SÜDWEST SiliconElast Fassadenfarbe

M-Factor (Short-term (acute) aquatic hazard)	10
Toxicity to fish (Chronic toxicity)	NOEC: 2,61 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 0,06 mg/l Exposure time: 21 d Species: Daphnia (water flea) Method: OECD Test Guideline 211
M-Factor (Long-term (chronic) aquatic hazard)	1

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,19 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia (water flea)): 0,12 mg/l Exposure time: 48 h
Toxicity to algae	EC50 (Skeletonema costatum (marine diatom)): 0,0052 mg/l Exposure time: 48 h
	NOEC (Skeletonema costatum (marine diatom)): 0,00049 mg/l Exposure time: 48 h
M-Factor (Short-term (acute) aquatic hazard)	100
Toxicity to fish (Chronic toxicity)	NOEC: 0,098 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 0,004 mg/l Exposure time: 21 d Species: Daphnia (water flea)
M-Factor (Long-term (chronic) aquatic hazard)	100
12.2 Persistence and degradability	
Draduat	

Product:

SAFETY DATA SHEET SÜDWEST SiliconElast Fassadenfarbe

 Biodegradability
 No data available

 Components: Terbutryn :
 Result: not rapidly degradable

 Biodegradability
 Result: not rapidly degradable

 1,2-benzisothiazol-3(2H)-one :
 Biodegradability

Biodegradability	Result: rapidly degradable
	Biodegradation: > 90 %
	Method: OECD Test Guideline 303A

bronopol (INN) :

Biodegradability

Result: rapidly degradable Biodegradation: > 70 % Method: OECD Test Guideline 301B

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) :

Biodegradability Result: not rapidly degradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

Components:

isoproturon : Partition coefficient: noctanol/water Terbutryn : Partition coefficient: noctanol/water

1,2-benzisothiazol-3(2H)-one :

Partition coefficient: n- log Pow: 0,4 octanol/water

bronopol (INN) : Bioaccumulation

Bioconcentration factor (BCF): 3,16

SAFETY DATA SHEET

SÜDWEST SiliconElast Fassadenfarbe

Does not accumulate in organisms.

Partition coefficient: n- octanol/water	log Pow: 0,38Method: OECD Test Guideline 107	
12.4 Mobility in soil		
Product:		
Mobility	No data available	
12.5 Results of PBT and vPvB assessment		
Product:		
Assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.	
12.6 Other adverse effects		
Product:		
Additional ecological information	Do not allow product to enter into ground water, bodies of water or sewage systems. Harmful to aquatic life with long lasting effects.	

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	The user is responsible for proper coding and marking of any waste. Dispose of as special waste in compliance with local and national regulations. Partial and residual quantities can be reused.
Contaminated packaging	Packaging that is not properly emptied must be disposed of as the unused product. Empty packaging should be recycled through disposal systems.
Waste key for the unused product	08 01 11* Paint and varnish waste containing organic solvents or other dangerous substances
	(*) hazardous waste in terms of the European directive 91/689/EEC

SECTION 14: TRANSPORT INFORMATION

SÜDWEST SiliconElast Fassadenfarbe

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks

This information is not available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC CodeRemarksNot applicable

SECTION 15: REGULATORY INFORMATION

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

VOC Directive 2010/75/EU

2,4 % 35,4 g/l

VOC Directive 2004/42/EC 2,6 % 37,2 g/l

EU limit value for this product (cat. A/c) :40 g/IThis product contains max40 g/IVOC.

Regulation (EC) NoNot applicable649/2012 of the European

SÜDWEST SiliconElast Fassadenfarbe

Parliament and the Council concerning the export and import of dangerous chemicals

Other regulations Comply with the statutory regulations on health and safety at work.

15.2 Chemical safety assessment

This information is not available.

SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin.

The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

Full text of H-Statements

	Toxic if swallowed.	
	Harmful if swallowed.	
	Fatal in contact with skin.	
H312 :	Harmful in contact with skin.	
	Causes severe skin burns and eye damage.	
H315 :	Causes skin irritation.	
	May cause an allergic skin reaction.	
H318 :	Causes serious eye damage.	
H330 :	Fatal if inhaled.	
H335 :	May cause respiratory irritation.	
H351 :	Suspected of causing cancer.	
H400 :	Very toxic to aquatic life.	
H410 :	Very toxic to aquatic life with long lasting effects.	
Full text of other abbreviations		

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Carc.	: Carcinogenicity

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SAFETY DATA SHEET SÜDWEST SiliconElast Fassadenfarbe

Eye Dam. Skin Corr. Skin Irrit. Skin Sens. STOT SE

Skin irritationSkin sensitisation

: Skin corrosion

: Serious eye damage

: Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP -Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS -Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer: IATA - International Air Transport Association: IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. -Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS -Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

according to Regulation (EC) No. 1907/2006

MSDS REG_EU / EN