

Trade name: Lack B eco

Substance number: 71296 Version: 2 / GB Date revised: 06.09.2024

Replaces Version: 1 / GB Print date: 06.09.2024

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

1.1. Product identifier

Lack B eco

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

Use of the substance/preparation

Silicone lacquer for coating earmolds and ear impressions

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Dreve Otoplastik GmbH Max-Planck-Straße 31 DE-59423 Unna

Telephone no. +49 2303 8807-0 Fax no. +49 2303 8807-29

Fax no. +49 2303 8807-29
Information provided Department Research & Development: Fax: +49 2303 8807-562

by / telephone

E-mail address of sicherheitsdatenblatt@dreve.com

person responsible for this SDS

1.4. Emergency telephone number

Henkel Fire Department / 24h-Emergency-Contact-No.: +49 211 797-3350

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Aquatic Acute 1 H400 Aquatic Chronic 2 H411

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008 For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word



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Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P264.1 Wash hands thoroughly after handling. P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P501.1 Dispose of contents/container to industrial incineration plant.

2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Silicone lacquer curing at air humidity

Hazardous ingredients

Hexamethyldisiloxane

CAS No. 107-46-0 EINECS no. 203-492-7

Registration no. 01-2119496108-31 Concentration >= 50 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225 Aquatic Acute 1 H400 Aquatic Chronic 2 H411

Methylsilane triacetate

CAS No. 4253-34-3 EINECS no. 224-221-9

Registration no. 01-2119962266-32

Concentration >= 1 < 3 %

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318

Acute Tox. 4 H302 Route of exposure: oral

Skin Corr. 1C H314

ATE oral 1.600 mg/kg



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Dioctyltinacetylacetonate

CAS No. 54068-28-9 EINECS no. 483-270-6

Registration no. 01-0000020199-67

Concentration >= 0,1 < 1 %

Classification (Regulation (EC) No. 1272/2008)

Skin Sens. 1 H317 STOT SE 2 H371

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Sens. 1 H317 >= 5 %

Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

Hexamethyldisiloxane

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid

After inhalation

Ensure supply of fresh air. Seek medical advice immediately.

After skin contact

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO2, powders, water spray/mist, Extinguishing measures to suit surroundings



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Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case the product spills into sewage waters, immediately inform the authorities.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Do not pick up with the help of saw-dust or other combustible substances. Containers in which spilt substance has been collected must be adequately labelled. Dispose of as prescribed.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary). Take action to prevent static discharges. Avoid skin and eye contact.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. No smoking. Take action to prevent static discharges. Avoid impact and friction. Use only explosion-proof equipment. Keep away from combustible material. Wear shoes with conductive soles.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

Hints on storage assembly



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Do not store with strong oxidizing agents. Keep away from water.

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place. Keep in a cool place

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

Hexamethyldisiloxane

Type of value Derived No Effect Level (DNEL)

Reference group Worker Route of exposure dermal

Concentration 333 mg/kg/d

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Route of exposure inhalative

Concentration 53,4 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Consumer Route of exposure oral

Concentration 0,27 mg/kg

Type of value Derived No Effect Level (DNEL)

Reference group Consumer Route of exposure dermal

Concentration 167 mg/kg/d

Type of value Derived No Effect Level (DNEL)

Reference group Consumer
Route of exposure inhalative
Concentration 13.

Concentration 13,3 mg/m³

Methylsilane triacetate

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term
Route of exposure inhalative
Mode of action Local effects

Concentration 31 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Short term
Route of exposure inhalative
Mode of action Local effects

Concentration 61 mg/m³

Type of value Derived No Effect Level (DNEL)



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Reference group

Duration of exposure

Route of exposure

Mode of action

Consumer

Long term

inhalative

Local effects

Concentration 31 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Consumer
Duration of exposure Short term
Route of exposure inhalative
Mode of action Local effects

Concentration 61 mg/m³

Dioctyltinacetylacetonate

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term
Route of exposure dermal

Mode of action Systemic effects
Concentration 0,07

Concentration 0,07 mg/kg/d

Type of value Derived No Effect Level (DNEL)

Reference group

Duration of exposure

Route of exposure

Mode of action

Concentration

Worker

Long term
inhalative

Local effects

Concentration 0,091 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group

Duration of exposure

Route of exposure

Mode of action

Systemic effects

Concentration 84 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group

Duration of exposure

Route of exposure

Mode of action

Consentation

Worker

Acute

inhalative

Local effects

Concentration 0,091 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Acute
Route of exposure inhalative
Mode of action Systemic effects

Concentration 84 mg/m³

Predicted No Effect Concentration (PNEC)

Hexamethyldisiloxane

Type of value PNEC
Type Freshwater

Concentration 0,003 mg/l

Type of value PNEC



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Type Freshwater sediment

Concentration 8,9 mg/kg

Type of value PNEC

Type Marine sediment Concentration 0,089

0,089 mg/kg

Type of value PNEC Type Soil

Concentration 0,14 mg/kg

Type of value PNEC

Type Secondary poisoning

Concentration 5,3 mg/kg

Methylsilane triacetate

Type of value PNEC

Type Freshwater sediment

Concentration 4,8 mg/kg

Type of value PNEC

Type Marine sediment

Concentration 0,48 mg/kg

Type of value PNEC

Type Sewage treatment plant (STP)

Concentration 6,9 mg/l

Type of value PNEC Type Soil

Concentration 0,19 mg/kg

Dioctyltinacetylacetonate

Type of value PNEC
Type Freshwater

Concentration 26 µg/l

Type of value PNEC

Type Freshwater sediment

Concentration 0,155 mg/kg

Type of value PNEC

Type Marine sediment

Concentration 0,015 mg/kg

Type of value PNEC Type Marine

Concentration 3,0 µg/l

Type of value PNEC

Type Sewage treatment plant (STP)

Concentration 1 mg/l

Type of value PNEC Type Soil

Concentration 0,016 mg/kg



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8.2. Exposure controls

General protective and hygiene measures

Do not smoke during work time. Hold eye wash fountain available. Hold emergency shower available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Do not eat or drink during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation; The respiratory protection must comply with the relevant CEN standards.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

Appropriate Material nitrile

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material. Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid

Colour clear, transparent characteristic

Melting point

Remarks not determined

Freezing point

Remarks not determined

Boiling point or initial boiling point and boiling range

Value > 100 °C

Flammability

evaluation Not applicable

Upper and lower explosive limits

Lower explosion limit 2,1 %(V)
Upper explosion limit 11,5 %(V)

Flash point

Value -8 °C

Method closed cup

Auto-ignition temperature

Value > 200 °C

Decomposition temperature



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Remarks not determined

pH value

Remarks not determined

Viscosity

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Value 100 hPa

Temperature 20 °C

Density and/or relative density

Value 0,85 g/cm³

Temperature 20 °C

Relative vapour density

Remarks not determined

9.2. Other information

Odour threshold

Remarks not determined

Evaporation rate

Remarks not determined

Evaporation rate (ether = 1):

Remarks not determined

Solubility in water

Remarks partially miscible

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Solvent content

Value 0,0 %

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.



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10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information

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

Acute oral toxicity

ATE > 10.000 mg/kg

Method calculated value according to GHS (e.g see UN GHS)

Acute oral toxicity (Components)

Hexamethyldisiloxane

Species rat

LD50 > 12160 mg/kg

Method OECD 401

Methylsilane triacetate

Species rate

LD50 1600 mg/kg

Method OECD 401

Dioctyltinacetylacetonate

Species rat (female)

LD50 2500 mg/kg

Method OECD 423

Acute dermal toxicity

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

Acute dermal toxicity (Components)

Hexamethyldisiloxane

Species rat

LD50 > 2000 mg/kg

Method OECD 402

Dioctyltinacetylacetonate

Species rat

LD50 > 2000 mg/kg

Method OECD 402

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)

Hexamethyldisiloxane

Species rat

LC50 appr. 106 mg/l

Duration of exposure 4 h

Method OECD 403

Skin corrosion/irritation

evaluation irritant



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Remarks The classification criteria are met.

Skin corrosion/irritation (Components)

Methylsilane triacetate

Species rabbit evaluation corrosive Method OECD 404

Serious eye damage/irritation

evaluation irritant

Remarks The classification criteria are met.

Serious eye damage/irritation (Components)

Methylsilane triacetate

Species rabbit evaluation corrosive Method OECD 405

Sensitization

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

Sensitization (Components)

Dioctyltinacetylacetonate

Route of exposure dermal Species mouse evaluation sensitizing Method OECD 429

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Single exposure

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

Repeated exposure

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

Specific Target Organ Toxicity (STOT) (Components)

Dioctyltinacetylacetonate

Single exposure

evaluation May cause damage to organs.

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice



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Inhalation may lead to irritation of the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

Hexamethyldisiloxane

Species rainbow trout (Oncorhynchus mykiss) LC50 0.46 mq/l

Duration of exposure 96 h

Hexamethyldisiloxane

Fathead minnow (Pimephales promelas) **Species** NOEC 0,029 mg/l d

Duration of exposure 32

OECD 210 Method

Methylsilane triacetate

zebra fish (Brachydanio rerio) **Species**

LC50 500 mg/l 96

Duration of exposure

Regulation (EC) No. 440/2008, Annex, C.1 Method

The product is unstable in water. The information on elimination relates to Remarks

the hydrolysis products.

Dioctyltinacetylacetonate

LC50 86 mg/l

Duration of exposure 96

Remarks The product is unstable in water. The information on elimination relates to

the hydrolysis products.

Daphnia toxicity (Components)

Hexamethyldisiloxane

Species Daphnia magna

NOEC 0,3 mg/l

Duration of exposure 21 d

OECD 211 Method

Methylsilane triacetate

Species Daphnia magna

EC50 500 mg/l Duration of exposure 48 h

Regulation (EC) No. 440/2008, Annex, C.2 Method

The product is unstable in water. The information on elimination relates to Remarks

the hydrolysis products.

Methylsilane triacetate

Species Daphnia magna

NOEC 100 mg/l >=

Duration of exposure 21 d

Method **OECD 211**

The product is unstable in water. The information on elimination relates to Remarks

the hydrolysis products.



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Dioctyltinacetylacetonate

Species Daphnia magna

EC50 58,6 mg/l

Duration of exposure 48 h

Remarks The product is unstable in water. The information on elimination relates to

the hydrolysis products.

Algae toxicity (Components)

Hexamethyldisiloxane

Species Pseudokirchneriella subcapitata

ErC50 > 0,55 mg/l

Duration of exposure 95 h

Method OECD 201

Methylsilane triacetate

Species Pseudokirchneriella subcapitata

EC50 > 500 mg/l Duration of exposure 72 h

Method Regulation (EC) No. 440/2008, Annex, C.3

Remarks The product is unstable in water. The information on elimination relates to

the hydrolysis products.

Dioctyltinacetylacetonate

Species Scenedesmus subspicatus

EC50 300 mg/l

Duration of exposure 24

Remarks The product is unstable in water. The information on elimination relates to

the hydrolysis products.

Bacteria toxicity (Components)

Hexamethyldisiloxane

Species activated sludge

NOEC >= 100 mg/l

Duration of exposure 3 h

Method OECD 209

Methylsilane triacetate

Species activated sludge

EC10 > 100 mg/l

Duration of exposure 3 h

Method OECD 209

Dioctyltinacetylacetonate

Species activated sludge

NOEC 100 mg/l

Duration of exposure 3 h

Method OECD 209

Remarks The product is unstable in water. The information on elimination relates to

the hydrolysis products.

12.2. Persistence and degradability

General information

not determined

Biodegradability (Components)

Hexamethyldisiloxane

Value 2 %

Duration of test 28 d evaluation not readily degradable



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Methylsilane triacetate

Value 74 %

Duration of test 21 d evaluation not readily degradable

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)

Hexamethyldisiloxane

log Pow 5,06

Temperature 20 °C

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the envrionment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Toxic to aquatic life.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Must not be disposed together with household garbage.

Dispose of waste according to applicable legislation.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.



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SECTION 14: Transport information ***

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
14.1. UN number or ID number	1993	1993	1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)	FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)	FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)
14.3. Transport hazard class(es)	3	3	3
Label	· 🗱	2	2
14.4. Packing group	II	II	II
Special provision	640D		
Remarks	The product is not subject to any other provisions of ADR provided packaging of not more than 5 I / 5 kg	The product can be transported in accordance with IMDG Code paragraph 2.10.2.7, provided packaging not more than 5 I / 5 kg.	The product is not subject to any other provisions of IATA provided packaging of not more than 5 I / 5 kg (A197)
Limited Quantity	11	11	
Transport category	2		
14.5. Environmental hazards	ENVIRONMENTALLY HAZARDOUS	Marine Pollutant	ENVIRONMENTALLY HAZARDOUS
		ENVIRONMENTALLY HAZARDOUS	
Tunnel restriction code	D/E		

SECTION 15: Regulatory information

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information



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

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2	H225	On basis of test data
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 2	H411	Calculation method

Hazard statements listed in Chapter 2/3

H225	Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H371 May cause damage to organs.
H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 4 Acute toxicity, Category 4

Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1 Hazardous to the aquatic environment, chronic, Category 2

Eye Dam. 1 Serious eye damage, Category 1

Eye Irrit. 2
Flam. Liq. 2
Flammable liquid, Category 2
Skin Corr. 1C
Skin Irrit. 2
Skin Sens. 1

Eye irritation, Category 2
Flammable liquid, Category 2
Skin corrosion, Category 1C
Skin irritation, Category 2
Skin sensitization, Category 1

STOT SE 2 Specific target organ toxicity - single exposure, Category 2

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: *** This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.