

Trade name: Biopor UV-S Comp. A

Substance number: 45161

Version: 1 / GB

Date revised: 31.01.2023

Replaces Version: - / GB

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

1.1. Product identifier

Biopor UV-S Comp. A

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

59423 Unna

Telephone no.

+49 2303 8807-0

Fax no.

+49 2303 8807-29

Information provided

Department Research & Development: Fax: +49 2303 8807-562

by / telephone

E-mail address of

sicherheitsdatenblatt@dreve.de

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

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

Danger

Hazard statements

H225

Highly flammable liquid and vapour.



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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.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501.1 Dispose of contents/container to industrial incineration plant.
EUH208 Contains (Trimethyl)methylcyclopentadienylplatinum (IV), May produce an allergic reaction.

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**

Addition-vulcanising 2-component silicone

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

ATE	oral	12,16	mg/kg
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(Trimethyl)methylcyclopentadienylplatinum (IV)

CAS No.	94442-22-5		
EINECS no.	629-160-5		
Concentration	>= 0,1	< 0,16	%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 1		H300
	Acute Tox. 2		H310
	Skin Sens. 1		H317
	Aquatic Acute 1		H400

cATpE	oral	0,5	mg/kg
cATpE	dermal	50	mg/kg

Trade name: Biopor UV-S Comp. A

Substance number: 45161

Version: 1 / GB

Date revised: 31.01.2023

Replaces Version: - / GB

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely. In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. Seek medical advice immediately.

After skin contact

Wash off immediately with soap and water. Seek medical advice immediately.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical advice immediately.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet.

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-blanket, powders, water spray/mist, Extinguishing measures to suit surroundings

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.

SECTION 6: Accidental release measures



Trade name: Biopor UV-S Comp. A

Substance number: 45161

Version: 1 / GB

Date revised: 31.01.2023

Replaces Version: - / GB

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6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure adequate ventilation. Use personal protective clothing. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Pick up rest with suitable absorbent materials. 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**

Provide good ventilation of working area (local exhaust ventilation if necessary). Provide suitable exhaust ventilation at processing machines. Avoid formation of aerosols. Avoid impact, friction and electro-static loading; risk of ignition!. Use explosion-proof apparatus and fittings. Keep container tightly closed.

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**

Store product in closed containers.

Hints on storage assembly

Do not store with strong oxidizing agents.

Further information on storage conditions

Protect from direct sunlight. Keep container tightly closed in a cool, well-ventilated 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)
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Trade name: Biopor UV-S Comp. A

Substance number: 45161

Version: 1 / GB

Date revised: 31.01.2023

Replaces Version: - / GB

Print date: 31.01.2023

Reference group	Worker	
Route of exposure	inhalative	
Concentration	53,4	mg/m ³
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	13,3	mg/m ³

Predicted No Effect Concentration (PNEC)**Hexamethyldisiloxane**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,002	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,37	mg/kg
Type of value	PNEC	
Type	Marine	
Concentration	0,0002	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,037	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,073	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	>= 10	mg/l

8.2. Exposure controls**General protective and hygiene measures**

Do not smoke during work time. Do not inhale gases/vapours/aerosols. Do not eat or drink during work time. Storage of foodstuffs in work rooms is forbidden. Take off immediately all contaminated clothing. Wash hands before breaks and after work.

Respiratory protection

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

Hand protection



Trade name: Biopor UV-S Comp. A

Substance number: 45161

Version: 1 / GB

Date revised: 31.01.2023

Replaces Version: - / GB

Print date: 31.01.2023

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

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.

Appropriate Material Butyl rubber

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	colourless		
Odour	characteristic		
Melting point			
Remarks	not determined		
Freezing point			
Remarks	not determined		
Boiling point or initial boiling point and boiling range			
Value	101		°C
Flammability			
not determined			
Upper and lower explosive limits			
Remarks	not determined		
Flash point			
Value	-8		°C
Method	closed cup		
Ignition temperature			
Remarks	not determined		
Decomposition temperature			
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	



Trade name: Biopor UV-S Comp. A

Substance number: 45161

Version: 1 / GB

Date revised: 31.01.2023

Replaces Version: - / GB

Print date: 31.01.2023

Density and/or relative density

Value	0,83		g/cm ³
Temperature	20	°C	

Relative vapour density

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks not determined

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

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.

10.4. Conditions to avoid

No hazardous reactions known. Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.5. Incompatible materials

None known

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	17,0725	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**Hexamethyldisiloxane**

Species	rat		
LD50	>	12,16	g/kg



Trade name: Biopor UV-S Comp. A

Substance number: 45161

Version: 1 / GB

Date revised: 31.01.2023

Replaces Version: - / GB

Print date: 31.01.2023

Method OECD 401

Acute dermal toxicity

ATE > 10.000 mg/kg
 Method calculated value (Regulation (EC) No. 1272/2008)

Acute dermal toxicity (Components)**Hexamethyldisiloxane**

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

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

Serious eye damage/irritation

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

Sensitization

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

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.

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.

Other information

No toxicological data are available.

Trade name: Biopor UV-S Comp. A

Substance number: 45161

Version: 1 / GB

Date revised: 31.01.2023

Replaces Version: - / GB

Print date: 31.01.2023

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

Hexamethyldisiloxane

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	0,46		mg/l
Duration of exposure	96	h	

Hexamethyldisiloxane

NOEC	0,02		mg/l
Duration of exposure	30	d	

Daphnia toxicity (Components)

Hexamethyldisiloxane

Species	Daphnia magna		
EC50	> 0,93		mg/l
Duration of exposure	48	h	

Hexamethyldisiloxane

Species	Daphnia magna		
NOEC	0,08		mg/l
Duration of exposure	21	d	
Method	OECD 211		

Algae toxicity (Components)

Hexamethyldisiloxane

Species	Pseudokirchneriella subcapitata		
EC50	> 0,55		mg/l
Duration of exposure	95	h	
Method	OECD 201		

Bacteria toxicity (Components)

Hexamethyldisiloxane

Species	activated sludge		
NOEC	>= 100		mg/l
Duration of exposure	3	h	
Method	OECD 209		

12.2. Persistence and degradability

General information

not determined

Biodegradability (Components)

Hexamethyldisiloxane

Value	2		%
Duration of test evaluation	28	d	
	Slightly biodegradable		

12.3. Bioaccumulative potential

General information

not determined



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Replaces Version: - / GB

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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 assessmentThe product contains no PBT substances
The product contains no vPvB substances.**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

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.

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.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN 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)

Trade name: Biopor UV-S Comp. A






Substance number: 45161

Version: 1 / GB

Date revised: 31.01.2023

Replaces Version: - / GB

Print date: 31.01.2023

14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Special provision	640D		
Limited Quantity	1 I		
Transport category	2		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	-
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

Hazard statements listed in Chapter 3

H225	Highly flammable liquid and vapour.
H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 1	Acute toxicity, Category 1
Acute Tox. 2	Acute toxicity, Category 2
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Skin Sens. 1	Skin sensitization, Category 1

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.



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