



Trade name: NanoScreen Soft Lack

Substance number: 71212

Version: 2 / GB

Date revised: 22.02.2024

Replaces Version: 1 / GB

Print date: 22.02.2024

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

1.1. Product identifier

NanoScreen Soft Lack

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

Information provided by / telephone Department Research & Development: Fax: +49 2303 8807-562

E-mail address of person responsible sicherheitsdatenblatt@dreve.com

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 Dam. 1	H318
Repr. 2	H361d
STOT SE 3	H336
STOT RE 2	H373
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

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**Signal word**

Danger

Hazard statements ***

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H361d	Suspected of damaging the unborn child.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Methylsilane triacetate; Toluene; Heptanes

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**Hazardous ingredients *******Toluene**

CAS No.	108-88-3
EINECS no.	203-625-9
Registration no.	01-2119471310-51
Concentration	>= 25 < 50 %
Classification (Regulation (EC) No. 1272/2008)	
	Flam. Liq. 2 H225
	Asp. Tox. 1 H304
	Skin Irrit. 2 H315
	Repr. 2 H361d
	STOT SE 3 H336
	STOT RE 2 H373



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Heptanes

CAS No.	142-82-5			
EINECS no.	205-563-8			
Registration no.	01-2119457603-38			
Concentration	>= 20	<	25	%
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 2		H225	
	Asp. Tox. 1		H304	
	Skin Irrit. 2		H315	
	STOT SE 3		H336	
	Aquatic Acute 1		H400	
	Aquatic Chronic 1		H410	

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note C

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

CAS No.	68909-20-6			
EINECS no.	272-697-1			
Registration no.	01-2119379499-16			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	STOT RE 2		H373	

Name of set of nanoform	Nanoagglomerate		
Particle size distribution	d50 50-550	nm	
	Method	Transmission Electron Microscopy (TEM)	
Shape and aspect ratio of particles	amorphous		
50 to 350	m ² /g		

Methylsilane triacetate

CAS No.	4253-34-3			
EINECS no.	224-221-9			
Registration no.	01-2119962266-32			
Concentration	>= 3	<	5	%
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	

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

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

After inhalation

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After skin contact

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation

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persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

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

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. Observe manufacturer's / distributor's instructions.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Keep away sources of ignition. Ensure adequate ventilation. Use breathing apparatus if exposed to vapours/dust/aerosol. 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. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the



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responsible authorities.

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. Clean contaminated floors and objects thoroughly, observing environmental regulations. 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). Avoid formation of aerosols. Avoid impact, friction and electro-static loading; risk of ignition!. 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

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.

Hints on storage assembly

Do not store together with foodstuffs. Do not store with strong oxidizing agents.

Further information on storage conditions

Keep under lock and key or accessible only to specialists or people who are authorized. 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

Exposure limit values

Toluene

List	TRGS 900			
Value	190	mg/m ³	50	ml/m ³

Maximum limit value: 4(II); Skin resorption / sensibilisation: H Y 06/21; Remarks: DFG

Toluene

List	EU			
Value	192	mg/m ³	50	ppm(V)
Short term exposure limit	384	mg/m ³	100	ppm(V)

Skin resorption / sensibilisation: H Remarks: Richtlinie 2006/15/EG

Heptanes

List	IOELV			
Value	2085	mg/m ³	500	ppm(V)

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Biological limit values**Toluene**

List	BGW (TRGS 903)
Value	600 µg/l
Parameter	Toluene
Testing material	Whole blood (B)
Test date	End of exposure or end of shift (b)

Toluene

List	BGW (TRGS 903)
Value	1,5 mg/l
Parameter	p-cresol
Testing material	Urine (U)
Test date	End of exposure or end of shift (b)

Toluene

List	BGW (TRGS 903)
Value	1,5 mg/l
Parameter	p-cresol
Testing material	Urine (U)
Test date	At longterm exposure: after several previous shifts (c)

Toluene

List	BGW (TRGS 903)
Value	0,075 mg/l
Parameter	Toluene
Testing material	Urine (U)
Test date	End of exposure or end of shift (b)

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)**Toluene**

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	384	mg/kg/d

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	192	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	192	mg/m ³

Methylsilane triacetate

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	



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Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	25	mg/m ³
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	14,5	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	5,1	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	7,2	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	1	mg/kg/d

Predicted No Effect Concentration (PNEC)

Toluene

Type of value	PNEC	
Type	Freshwater	
Concentration	0,68	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	16,39	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	2,89	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	13,61	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	16,39	mg/l
Type of value	PNEC	
Type	Saltwater	



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Concentration	0,68	mg/l
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Type of value	PNEC	
Type	Water (intermittent release)	

Concentration	0,68	mg/l
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Methylsilane triacetate

Type of value	PNEC	
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Type	Freshwater	
------	------------	--

Concentration	1,0	mg/l
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Type of value	PNEC	
---------------	------	--

Type	Saltwater	
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Concentration	0,10	mg/l
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Type of value	PNEC	
---------------	------	--

Type	Water (intermittent release)	
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Concentration	10	mg/l
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Type of value	PNEC	
---------------	------	--

Type	Freshwater sediment	
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Concentration	0,80	mg/kg
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Type of value	PNEC	
---------------	------	--

Type	Marine sediment	
------	-----------------	--

Concentration	0,08	mg/kg
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Type of value	PNEC	
---------------	------	--

Type	Sewage treatment plant (STP)	
------	------------------------------	--

Concentration	> 10	mg/l
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Type of value	PNEC	
---------------	------	--

Type	Soil	
------	------	--

Concentration	0,13	mg/kg
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8.2. Exposure controls**General protective and hygiene measures**

Do not smoke during work time. Hold emergency shower available. Hold eye wash fountain 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. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

Do not inhale vapours; Use suitable respiratory protective device in case of insufficient ventilation

Hand protection

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

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Hand protection must comply with EN 374.

Appropriate Material nitrile

Eye protection

Tightly fitting safety glasses

Body protection



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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	98		°C
Flammability			
evaluation	Not applicable		
Upper and lower explosive limits			
Lower explosion limit	1,1		%(V)
Upper explosion limit	7,0		%(V)
Flash point			
Value	-4		°C
Method	closed cup		
Ignition temperature			
Value	> 200		°C
Decomposition temperature			
Remarks	not determined		
pH value			
Remarks	not determined		
Viscosity			
kinematic			
Value	100		mm ² /s
Temperature	40	°C	
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	0,84		g/cm ³
Temperature	20	°C	
Relative vapour density			
Remarks	not determined		

9.2. Other information



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Odour threshold

Remarks not determined

Evaporation rate

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks virtually insoluble

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

Protect from heat and direct sunlight

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 (Regulation (EC) No. 1272/2008)		

Acute oral toxicity (Components)**Toluene**

Species	rat (male)	
LD50	5580	mg/kg
Method	EEC 84/449, B.1	

Heptanes

Species	rat
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LD50 > 5000 mg/kg
 Method OECD 401
 Remarks Test conducted with a similar formulation.

Methylsilane triacetate

Species rat
 LD50 1600 mg/kg
 Method OECD 401

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species rat
 LD50 > 5000 mg/kg
 Method OECD 401
 Remarks Test conducted with a similar formulation.

Acute dermal toxicity

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

Acute dermal toxicity (Components)**Toluene**

Species rabbit
 LD50 > 5000 mg/kg

Heptanes

Species rabbit
 LD50 > 2000 mg/kg
 Method OECD 402
 Remarks Test conducted with a similar formulation.

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species rabbit
 LD50 > 5000 mg/kg
 Source Analogous

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)**Toluene**

Species rat
 LC50 28,1 mg/l
 Duration of exposure 4 h
 Administration/Form Vapors
 Method OECD 403

Heptanes

Species rat
 LD50 > 29,29 mg/l
 Duration of exposure 4 h
 Administration/Form Vapors
 Method OECD 403

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species rat
 LC50 > 5,01 mg/l
 Duration of exposure 4 h
 Administration/Form Dust/Mist
 Source Analogous

Skin corrosion/irritation

evaluation irritant
 Remarks The classification criteria are met.



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Skin corrosion/irritation (Components)**Toluene**

Species	rabbit
evaluation	irritant
Method	EEC 84/449, B.4

Heptanes

Species	rabbit
evaluation	irritant
Method	OECD 404
Remarks	Test conducted with a similar formulation.

Methylsilane triacetate

Species	rabbit
evaluation	corrosive
Method	OECD 404

Serious eye damage/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

Serious eye damage/irritation (Components)**Toluene**

Species	rabbit
evaluation	slight irritant effect - does not require labelling
Method	OECD 405

Methylsilane triacetate

Species	rabbit
evaluation	corrosive
Method	OECD 405

Sensitization

Remarks	Based on available data, the classification criteria are not met.
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Subacute, subchronic, chronic toxicity

Remarks	not determined
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Mutagenicity

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

evaluation	Suspected of damaging the unborn child.
Remarks	The classification criteria are met.

Reproduction toxicity (Components)**Toluene**

Route of exposure	inhalative
Species	rat
evaluation	Suspected of damaging the unborn child.

Carcinogenicity

Remarks	Based on available data, the classification criteria are not met.
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Specific Target Organ Toxicity (STOT)**Single exposure**

Remarks	The classification criteria are met.
evaluation	May cause drowsiness or dizziness.

Repeated exposure

Remarks	The classification criteria are met.
evaluation	May cause damage to organs through prolonged or repeated exposure



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Specific Target Organ Toxicity (STOT) (Components)**Toluene****Single exposure**

evaluation

May cause drowsiness or dizziness.

Route of exposure inhalative

Toluene**Repeated exposure**

evaluation

May cause damage to organs through prolonged or repeated exposure

Species

rat

Heptanes**Single exposure**

evaluation

May cause drowsiness or dizziness.

Aspiration hazard

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

Aspiration hazard (Components)**Toluene**

Harmful: may cause lung damage if swallowed.

Heptanes

Harmful: may cause lung damage if swallowed.

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

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)**Toluene**

Species

Oncorhynchus kisutch

LC50

5,5

mg/l

Duration of exposure

96

h

Toluene

Species

Oncorhynchus kisutch

NOEC

1,39

mg/l

Duration of exposure

40

d

Heptanes

Species

rainbow trout (Oncorhynchus mykiss)

LL50

> 13,4

mg/l

Duration of exposure

96

h



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Method OECD 203
Remarks Test conducted with a similar formulation.

Methylsilane triacetate

Species zebra fish (Brachydanio rerio)
LC50 > 500 mg/l
Duration of exposure 96 h
Method Regulation (EC) No. 440/2008, Annex, C.1
Remarks The product is unstable in water. The information on elimination relates to the hydrolysis products.

Silamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species zebra fish (Brachydanio rerio)
LC50 > 10000 mg/l
Duration of exposure 96 h
Source Analogous

Daphnia toxicity (Components)**Toluene**

Species Ceriodaphnia spec
LC50 3,78 mg/l
Duration of exposure 48 h

Toluene

Species Ceriodaphnia spec
NOEC 0,74 mg/l
Duration of exposure 7 d

Heptanes

Species Daphnia magna
EL50 4,6 10 mg/l
Duration of exposure 48 h
Method OECD 202
Remarks Test conducted with a similar formulation.

Heptanes

Species Daphnia magna
NOEC 0,17 mg/l
Duration of exposure 21 d
Remarks Test conducted with a similar formulation.

Methylsilane triacetate

Species Daphnia magna
EC50 > 500 mg/l
Duration of exposure 48 h
Method Regulation (EC) No. 440/2008, Annex, C.2
Remarks The product is unstable in water. The information on elimination relates to the hydrolysis products.

Methylsilane triacetate

Species Daphnia magna
NOEC >= 100 mg/l
Duration of exposure 21 d
Method OECD 211
Remarks The product is unstable in water. The information on elimination relates to the hydrolysis products.

Silamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species Daphnia magna
EC50 > 1000 mg/l
Duration of exposure 48 h
Source Analogous



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Algae toxicity (Components)**Toluene**

Species	Chlorella vulgaris		
EC50	134		mg/l
Duration of exposure	3	h	

Heptanes

Species	Pseudokirchneriella subcapitata		
EL50	13		mg/l
Duration of exposure	96	h	
Method	OECD 201		
Remarks	Test conducted with a similar formulation.		

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.		

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	Desmodesmus subspicatus		
EC50	> 173		mg/l
Duration of exposure	72	h	
Source	Analogous		

Bacteria toxicity (Components)**Toluene**

EC50	84		mg/l
Duration of exposure	24	h	

Methylsilane triacetate

Species	activated sludge		
EC10	> 100		mg/l
Duration of exposure	3	h	
Method	OECD 209		

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species	activated sludge		
EC50	> 2500		mg/l
Duration of exposure	3	h	
Method	OECD 209		
Source	Analogous		

12.2. Persistence and degradability**General information**

not determined

Biodegradability (Components)**Heptanes**

Value	100		%
Duration of test	28	d	
evaluation	Readily biodegradable (according to OECD criteria)		
Remarks	Test conducted with a similar formulation.		

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Remarks Inorganic product, cannot be eliminated from the water by biological purification processes.

Methylsilane triacetate



Trade name: NanoScreen Soft Lack

Substance number: 71212

Version: 2 / GB

Date revised: 22.02.2024

Replaces Version: 1 / GB

Print date: 22.02.2024

Value	74	%
Duration of test evaluation	21	d
Remarks	Readily biodegradable (according to OECD criteria) Test conducted with a similar formulation.	

Ready degradability (Components)**Toluene****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)**Toluene**log Pow 2,73
Temperature 20 °C**Methylsilane triacetate**log Pow -2,4
Temperature 20 °C
Source ECHA**Heptanes**

log Pow 4,5

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. Avoid release into the atmosphere.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

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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 as product waste.

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. (Toluene, Heptanes)	FLAMMABLE LIQUID, N.O.S. (Toluene, Heptanes)	FLAMMABLE LIQUID, N.O.S. (Toluene, Heptanes)
14.3. Transport hazard class(es)	3	3	3
Label			
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 l / 5 kg	The product can be transported in accordance with IMDG Code paragraph 2.10.2.7, provided packaging not more than 5 l / 5 kg.	The product is not subject to any other provisions of IATA provided packaging of not more than 5 l / 5 kg (A197)
Limited Quantity	1 l	1 l	
Transport category	2		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant  ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS
Tunnel restriction code	D/E		

SECTION 15: Regulatory information

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

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or mixture**Other information**

All components are contained in the TSCA inventory or exempted.

15.2. Chemical safety assessment

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

SECTION 16: Other information

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 Dam. 1	H318	Calculation method
Repr. 2	H361d	Calculation method
STOT SE 3	H336	Calculation method
STOT RE 2	H373	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.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage, Category 1
Flam. Liq. 2	Flammable liquid, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Skin irritation, Category 2
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

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.