

Version: 4.0

SECTION 1: Identification of the Substance/mixture and of the Company/Undertaking

Product Identifier 1.1. Product form

Product Name

Synonyms

Mixture R-1082 Silicone Dispersion

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

1.2.1. Relevant Identified Uses Use of the Substance/Mixture

For professional use only

1.2.2. Uses Advised Against

No additional information available

Details of the Supplier of the Safety Data Sheet 1.3.

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1.4. **Emergency Telephone Number**

Emergency Number

: 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International and Maritime) +(44)-870-8200418 +(353)-19014670)

SECTION 2: Hazards Identification

Classification of the Substance or Mixture 2.1.

Classification According to Regulation (EC) No. 1272/2008 [CLP]

0 0	•
Flam. Liq. 3	H226
Acute Tox. 4 (Dermal)	H312
Acute Tox. 4 (Inhalation:vapour)	H332
Skin Irrit. 2	H315
Eye Dam. 1	H318
STOT SE 3	H335
STOT RE 2	H373
Asp. Tox. 1	H304
Full text of hazard classes and H-	statemer

Full text of hazard classes and H-statements : see section 16

2.2. Label Elements

Labelling According to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictograms (CLP)

Signal Word (CLP)



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

ACCORDING TO REGULATION (EC) NO. 1707/2006 (REACH) WITH IS DE	
Hazardous Ingredients	Silanetriol, methyl-, triacetate; Reaction mass of ethylbenzene
	and xylene
Hazard Statements (CLP)	H226 - Flammable liquid and vapour.
	H304 - May be fatal if swallowed and enters airways.
	H312+H332 - Harmful in contact with skin or if inhaled
	H315 - Causes skin irritation.
	H318 - Causes serious eye damage.
	H335 - May cause respiratory irritation.
	H373 - May cause damage to organs through prolonged or repeated exposure.
Precautionary Statements (CLP)	P210 - Keep away from heat, hot surfaces, sparks, open flames
	and other ignition sources. No smoking.
	P233 - Keep container tightly closed.
	P240 - Ground and bond container and receiving equipment.
	P241 - Use explosion-proof electrical, ventilating, and lighting
	equipment.
	P242 - Use non-sparking tools.
	P243 - Take action to prevent static discharges.
	P260 - Do not breathe vapors, mist, or spray
	P264 - Wash hands, forearms, and other exposed areas
	thoroughly after handling
	P271 - Use only outdoors or in a well-ventilated area.
	P280 - Wear protective gloves, protective clothing, eye
	protection, and face protection
	P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER
	or doctor
	P302+P352 - IF ON SKIN: Wash with plenty of water
	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all
	contaminated clothing. Rinse skin with water.
	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
	P312 - Call a POISON CENTRE or doctor if you feel unwell.
	P321 - Specific treatment (see section 4 on this SDS)
	P331 - Do NOT induce vomiting.
	P332+P313 - If skin irritation occurs: Get medical
	advice/attention.
	P362+P364 - Take off contaminated clothing and wash it before
	reuse.
	P370+P378 - In case of fire: Use appropriate media to extinguish
	P403+P235 - Store in a well-ventilated place. Keep cool.
	P405 - Store locked up.
	P501 - Dispose of contents/container to hazardous or special
	waste collection point, in accordance with local, regional,
	national and/or international regulation.
2.3. Other Hazards	
Contains PBT/vPvB substances ≥ 0	.1% assessed in accordance with REACH Annex XIII

Other Hazards Not Contributing to the Classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

EN (English)

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Reaction mass of ethylbenzene and xylene	(CAS-No.) Not Applicable (REACH Registration No.) 01-2119539452-40- 0053 (EC-No.) 905-588-0	60 - 80	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
Silanetriol, methyl-, triacetate	(CAS-No.) 4253-34-3 (EC-No.) 224-221-9	< 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318
Decamethylcyclopentasiloxane	(CAS-No.) 541-02-6 (EC-No.) 208-764-9	<]	Not classified
Dodecamethylcyclohexasiloxane	(CAS-No.) 540-97-6 (EC-No.) 208-762-8	<]	Not classified
DibutyItin dilaurate	(CAS-No.) 77-58-7 (EC-No.) 201-039-8 (EC Index-No.) 050-030- 00-3	< 0,1	Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First Aid Measures

4.1. Description of First-aid Measures

First-Aid Measures General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-Aid Measures After Inhalation	When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.
First-Aid Measures After Skin Contact	Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Immediately call a poison center or doctor/physician.

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First-Aid Measures After Eye Contact	Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. Get
First-Aid Measures After	immediate medical advice/attention. Do NOT induce vomiting. Rinse mouth. Immediately call a
Ingestion	POISON CENTER or doctor/physician.
-	s and Effects Both Acute and Delayed
Symptoms/Effects	Causes serious eye damage. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. May cause respiratory irritation. May be fatal if swallowed and enters airways. May cause damage to organs through prolonged or repeated exposure.
Symptoms/Effects After Inhalation	Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness.
Symptoms/Effects After Skin Contact	Redness, pain, swelling, itching, burning, dryness, and dermatitis. This material is harmful through skin contact, and can cause adverse health effects or death in significant amounts. This material may be absorbed through the skin and eyes.
Symptoms/Effects After Eye Contact	Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/Effects After Ingestion	Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.
Chronic Symptoms	May cause damage to organs through prolonged or repeated exposure.
4.3. Indication of Any Immedi	ate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have

product container or label at hand.

SECTION 5: Firefighting Measures

5.1. **Extinguishing Media**

Suitable Extinguishing Media	Water spray, fog, carbon dioxide (CO ₂), alcohol-resistant foam, dry chemical, or sand.
Unsuitable Extinguishing Media	Do not use a heavy water stream. A heavy water stream may spread burning liquid. Application of water stream to hot product may cause frothing and increase fire intensity.
5.2. Special Hazards Arising	
Fire Hazard	Flammable liquid and vapour.
Explosion Hazard	May form flammable or explosive vapour-air mixture.
Reactivity	Reacts violently with strong oxidisers. Increased risk of fire or explosion.
Hazardous Decomposition	Carbon oxides (CO, CO ₂). Silicon oxides. Hydrocarbons. Oxides
Products in Case of Fire	of tin.
5.3. Advice for Firefighters	
Precautionary Measures Fire Firefighting Instructions	Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection During Firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.
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SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures	Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.
6.1.1. For Non-Emergency Persor	nel
Protective Equipment	Use appropriate personal protective equipment (PPE).
Emergency Procedures	Evacuate unnecessary personnel. Stop leak if safe to do so.
6.1.2. For Emergency Responders	S
Protective Equipment	Equip cleanup crew with proper protection.
Emergency Procedures	Upon arrival at the scene, a first responder is expected to
	recognize the presence of dangerous goods, protect oneself
	and the public, secure the area, and call for the assistance of
	trained personnel as soon as conditions permit. Ventilate area.

Eliminate ignition sources.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

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For Containment	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Ventilate area.
Methods For Cleaning Up	Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non- sparking tools.
6.4. Reference to Other Se	ections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Additional Hazards When Processed	Handle empty containers with care because residual vapours are flammable.
Precautions for Safe Handling	Do not get in eyes, on skin, or on clothing. Avoid breathing vapors, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools. Handle empty containers with care because they may still present a hazard. Use only outdoors or in a well-ventilated area. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety procedures.

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7.2.	Conditions for Safe Storage,	Including Any Incompatibilities
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Technical Measures	Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.
Storage Conditions	Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in a well- ventilated place. Keep container tightly closed. Keep in fireproof place.
Incompatible Materials	Strong acids, strong bases, strong oxidizers.
7.3. Specific End Use(S) For professional use only	

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

Tin organic comp	ounds	
Austria	MAK (mg/m³)	0,1 mg/m ³ (except tri-n-Butyltin compounds-inhalable fraction)
Austria	MAK Short time value (mg/m³)	0,2 mg/m³ (except Tri-n-butyltin compounds-inhalable fraction)
Austria	OEL chemical category (AT)	Skin notation except Tri-n-butyltin compounds
Belgium	Limit value (mg/m³)	0,1 mg/m³
Belgium	Short time value (mg/m³)	0,2 mg/m³
Belgium	OEL chemical category (BE)	Skin
Bulgaria	OEL TWA (mg/m³)	0,1 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	0,1 mg/m³ (except Cyhexatin)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	0,2 mg/m³ (except Cyhexatin)
Czech Republic	Expoziční limity (PEL) (mg/m³)	0,1 mg/m³
Czech Republic	OEL chemical category (CZ)	Potential for cutaneous absorption
Denmark	Grænsevædi (8 timer) (mg/m³)	0,1 mg/m³ (except Tri-n-butyltin compounds)
Estonia	OEL TWA (mg/m³)	0,1 mg/m³
Estonia	OEL STEL (mg/m³)	0,2 mg/m ³
Estonia	OEL chemical category (ET)	Skin notation
Finland	HTP-arvo (8h) (mg/m³)	0,1 mg/m³
Finland	HTP-arvo (15 min)	0,3 mg/m³
Finland	OEL chemical category (FI)	Potential for cutaneous absorption
France	VLE (mg/m³)	0,2 mg/m ³
France	VME (mg/m³)	0,1 mg/m³
Greece	OEL TWA (mg/m³)	0,1 mg/m³
Greece	OEL STEL (mg/m³)	0,2 mg/m³
Greece	OEL chemical category (GR)	skin - potential for cutaneous

		absorption	
Hungary	AK-érték 0,1 mg/m ³		
Hungary	CK-érték	0,4 mg/m ³	
Hungary	OEL chemical category (HU)	Potential for cutaneous absorption	
Ireland	OEL (8 hours ref) (mg/m ³)	0,1 mg/m ³	
Ireland	OEL (15 min ref) (mg/m3)	0,2 mg/m ³	
Lithuania	IPRV (mg/m ³)	0,1 mg/m ³	
Lithuania	TPRV (mg/m ³)	0,2 mg/m ³	
Lithuania	OEL chemical category (LT)	Skin notation	
Norway	Grenseverdier (AN) (mg/m ³)	0,1 mg/m ³	
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	0,3 mg/m ³ (value calculated)	
Norway	OEL chemical category (NO)	Skin notation	
Portugal	OEL TWA (mg/m ³)	0,1 mg/m ³	
Portugal	OEL STEL (mg/m³)	0,2 mg/m ³	
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human	
l		Carcinogen, skin - potential for	
		cutaneous exposure	
Romania	OEL TWA (mg/m³)	0,05 mg/m ³	
Romania	OEL STEL (mg/m ³)	0,15 mg/m ³	
Slovakia	NPHV (priemerná) (mg/m ³)	0,1 mg/m ³	
Slovakia	NPHV (Hraničná) (mg/m³)	0,2 mg/m ³	
Slovakia	OEL chemical category (SK)	Potential for cutaneous absorption	
Spain	VLA-ED (mg/m ³)	0,1 mg/m ³	
Spain	VLA-EC (mg/m ³)	0,2 mg/m ³	
Spain	OEL chemical category (ES)	skin - potential for cutaneous absorption	
Sweden	nivågränsvärde (NVG) (mg/m³)	0,1 mg/m³ (total dust)	
Sweden	kortidsvärde (KTV) (mg/m ³)	0,2 mg/m³ (total dust)	
Sweden	OEL chemical category (SE)	Skin notation	
Switzerland	KZGW (mg/m ³)	0,2 mg/m³ (inhalable dust)	
Switzerland	MAK (mg/m ³)	0,1 mg/m ³ (inhalable dust)	
Switzerland	OEL chemical category (CH)	Skin notation	
United Kingdom	WEL TWA (mg/m ³)	0,1 mg/m ³ (except Cyhexatin)	
United Kingdom	WEL STEL (mg/m ³)	0,2 mg/m³ (except Cyhexatin)	
United Kingdom	WEL chemical category	Potential for cutaneous absorption	
		except Cyhexatin	
Reaction mass of	ethylbenzene and xylene	· · ·	
EU	IOELV TWA (mg/m ³)	221 mg/m ³ (pure)	
EU	IOELV TWA (ppm)	50 ppm (pure)	
EU	IOELV STEL (mg/m ³)	442 mg/m ³ (pure)	
EU	IOELV STEL (ppm)	100 ppm (pure)	
EU	Notes	Possibility of significant uptake	
		through the skin (pure)	
Austria	MAK (mg/m³)	221 mg/m³ (all isomers)	
Austria	MAK (ppm)	50 ppm (all isomers)	
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According to Regulation (EC) No. 1	907/2006 (REACH) with its amendment Regulation (EU) 2015/830		
Austria	MAK Short time value (mg/m³)	442 mg/m ³	
Austria	MAK Short time value (ppm)	100 ppm	
Belgium	Limit value (mg/m³)	221 mg/m³	
Belgium	Limit value (ppm)	50 ppm	
Belgium	Short time value (mg/m³)	442 mg/m ³	
Belgium	Short time value (ppm)	100 ppm	
Belgium	OEL chemical category (BE)	Skin, Skin notation pure	
Bulgaria	OEL TWA (mg/m³)	221 mg/m ³ (pure)	
Bulgaria	OEL TWA (ppm)	50 ppm (pure)	
Bulgaria	OEL STEL (mg/m³)	442 mg/m ³ (pure)	
Bulgaria	OEL STEL (ppm)	100 ppm (pure)	
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	221 mg/m³	
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm	
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	442 mg/m ³	
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	100 ppm	
Croatia	OEL chemical category (HR)	Skin notation	
Croatia	Croatia - BLV	 1,5 mg/l Parameter: Xylene - Medium: blood - Sampling time: at the end of the work shift (alcohol before exposure to Xylene raises occurrence) 1,5 g/g creatinine Parameter: Methylhippuric acid - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine) 	
Cyprus	OEL TWA (mg/m³)	221 mg/m³	
Cyprus	OEL TWA (ppm)	50 ppm	
Cyprus	OEL STEL (mg/m³)	442 mg/m ³	
Cyprus	OEL STEL (ppm)	100 ppm	
Cyprus	OEL chemical category (CY)	Skin-potential for cutaneous absorption	
Czech Republic	Expoziční limity (PEL) (mg/m³)	200 mg/m ³	
Czech Republic	OEL chemical category (CZ)	Potential for cutaneous absorption	
Czech Republic	Czech Republic - BLV	820 µmol/mmol Creatinine Parameter: Methylhippuric acid - Medium: urine - Sampling time: end of shift 1400 mg/g creatinine Parameter: Methylhippuric acid - Medium: urine - Sampling time: end of shift	
Denmark	Grænsevædi (8 timer) (mg/m³)	109 mg/m ³ (Xylene, all isomers)	
		107 mg/m (Aylene, dirisomers)	

According to Regulation (EC) 14	o. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830		
Estonia	OEL TWA (mg/m³)	200 mg/m ³	
Estonia	OEL TWA (ppm)	50 ppm	
Estonia	OEL STEL (mg/m³)	450 mg/m ³	
Estonia	OEL STEL (ppm)	100 ppm	
Estonia	OEL chemical category (ET)	Skin notation	
Finland	HTP-arvo (8h) (mg/m³)	220 mg/m ³	
Finland	HTP-arvo (8h) (ppm)	50 ppm	
Finland	HTP-arvo (15 min)	440 mg/m ³	
Finland	HTP-arvo (15 min) (ppm)	100 ppm	
Finland	OEL chemical category (FI)	Potential for cutaneous absorption	
Finland	Finland - BLV	Parameter: Methylhippuric acid - Medium: urine - Sampling time: after the shift	
France	VLE (mg/m³)	442 mg/m ³ (restrictive limit)	
France	VLE (ppm)	100 ppm (restrictive limit)	
France	VME (mg/m³)	221 mg/m³ (restrictive limit)	
France	VME (ppm)	50 ppm (restrictive limit)	
France	OEL chemical category (FR)	Risk of cutaneous absorption	
France	France - BLV	1500 mg/g creatinine Parameter: Methylhippuric acid - Medium: urine - Sampling time: end of shift	
Germany	Occupational exposure limit value (mg/m ³)	440 mg/m³ (all isomers)	
Germany	Occupational exposure limit value (ppm)	100 ppm (all isomers)	
Germany	TRGS 903 Biological limit value	2000 mg/l Parameter: Methylhippuric(tolur-)acid (all isomers) - Medium: urine - Sampling time: end of shift (all isomers)	
Germany	Chemical category	Skin notation all isomers	
Gibraltar	Eight hours mg/m3	221 mg/m ³ (pure)	
Gibraltar	Eight hours ppm	50 ppm (pure)	
Gibraltar	Short-term mg/m3	442 mg/m ³ (pure)	
Gibraltar	Short-term ppm	100 ppm (pure)	
Gibraltar	OEL chemical category (GI)	Skin notation pure	
Greece	OEL TWA (mg/m³)	435 mg/m ³	
Greece	OEL TWA (ppm)	100 ppm	
Greece	OEL STEL (mg/m³)	650 mg/m³	
Greece	OEL STEL (ppm)	150 ppm	
Greece	OEL chemical category (GR)	skin - potential for cutaneous absorption	
Hungary	AK-érték	221 mg/m³	
Hungary	CK-érték	442 mg/m ³	
Hungary	OEL chemical category (HU)	Potential for cutaneous absorption	
Ireland	OEL (8 hours ref) (mg/m ³)	221 mg/m ³	
Ireland	OEL (8 hours ref) (ppm)	50 ppm	
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Ireland	OEL (15 min ref) (mg/m3)	442 mg/m ³	
Ireland	OEL (15 min ref) (ppm)	100 ppm	
Ireland	OEL chemical category (IE)	Potential for cutaneous absorption	
Italy	OEL TWA (mg/m³)	221 mg/m³ (pure)	
Italy	OEL TWA (ppm)	50 ppm (pure)	
Italy	OEL STEL (mg/m³)	442 mg/m ³ (pure)	
Italy	OEL STEL (ppm)	100 ppm (pure)	
Italy	OEL chemical category (IT)	skin - potential for cutaneous absorption pure	
Latvia	OEL TWA (mg/m³)	221 mg/m ³	
Latvia	OEL TWA (ppm)	50 ppm	
Latvia	OEL chemical category (LV)	skin - potential for cutaneous exposure	
Lithuania	IPRV (mg/m³)	221 mg/m ³ (mixed isomers, pure)	
Lithuania	IPRV (ppm)	50 ppm (mixed isomers, pure)	
Lithuania	TPRV (mg/m ³)	442 mg/m ³ (mixed isomers, pure)	
Lithuania	TPRV (ppm)	100 ppm (mixed isomers, pure)	
Lithuania	OEL chemical category (LT)	Skin notation	
Luxembourg	OEL TWA (mg/m ³)	221 mg/m ³	
Luxembourg	OEL TWA (ppm)	50 ppm	
Luxembourg	OEL STEL (mg/m ³)	442 mg/m ³	
Luxembourg	OEL STEL (ppm)	100 ppm	
Luxembourg	OEL chemical category (LU)	Possibility of significant uptake through the skin	
Malta	OEL TWA (mg/m³)	221 mg/m ³ (pure)	
Malta	OEL TWA (ppm)	50 ppm (pure)	
Malta	OEL STEL (mg/m ³)	442 mg/m ³ (pure)	
Malta	OEL STEL (ppm)	100 ppm (pure)	
Malta	OEL chemical category (MT)	Possibility of significant uptake through the skin pure	
Netherlands	Grenswaarde TGG 8H (mg/m³)	210 mg/m ³	
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	442 mg/m ³	
Norway	Grenseverdier (AN) (mg/m ³)	108 mg/m ³	
Norway	Grenseverdier (AN) (ppm)	25 ppm	
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	135 mg/m³ (value calculated)	
Norway	Grenseverdier (Korttidsverdi) (ppm)	37,5 ppm (value calculated)	
Norway	OEL chemical category (NO)	Skin notation	
Poland	NDS (mg/m ³)	100 mg/m ³ (mixture of isomers)	
Poland	NDSCh (mg/m ³)	200 mg/m ³ (mixture of isomers)	
Portugal	OEL TWA (mg/m ³)	221 mg/m ³ (indicative limit value)	
Portugal	OEL TWA (ppm)	50 ppm (indicative limit value)	
Portugal	OEL STEL (mg/m ³)	442 mg/m ³ (indicative limit value)	
Portugal	OEL STEL (ppm)	100 ppm (indicative limit value)	
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen	

Romania	OEL TWA (mg/m ³)	221 mg/m³ (pure)
Romania	OEL TWA (ppm)	50 ppm (pure)
Romania	OEL STEL (mg/m³)	442 mg/m ³ (pure)
Romania	OEL STEL (ppm)	100 ppm (pure)
Romania	OEL chemical category (RO)	Skin notation pure
Romania	Romania - BLV	3 g/l Parameter: Methylhippuric acid - Medium: urine - Sampling time: end of shift
Slovakia	NPHV (priemerná) (mg/m³)	221 mg/m³
Slovakia	NPHV (priemerná) (ppm)	50 ppm
Slovakia	NPHV (Hraničná) (mg/m³)	442 mg/m ³
Slovakia	OEL chemical category (SK)	Potential for cutaneous absorption
Slovakia	Slovakia - BLV	1,5 mg/l Parameter: Xylene - Medium: blood - Sampling time: end of exposure or work shift (all isomers) 2000 mg/l Parameter: Methylhippuric acid - Medium: urine - Sampling time: end of exposure or work shift
Slovenia	OEL TWA (mg/m³)	221 mg/m ³
Slovenia	OEL TWA (ppm)	50 ppm
Slovenia	OEL STEL (mg/m³)	442 mg/m ³
Slovenia	OEL STEL (ppm)	100 ppm
Slovenia	OEL chemical category (SI)	Potential for cutaneous absorption
Spain	VLA-ED (mg/m ³)	221 mg/m³ (indicative limit value)
Spain	VLA-ED (ppm)	50 ppm (indicative limit value)
Spain	VLA-EC (mg/m ³)	442 mg/m ³
Spain	VLA-EC (ppm)	100 ppm
Spain	OEL chemical category (ES)	skin - potential for cutaneous absorption
Spain	Spain - BLV	1 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: end of shift
Sweden	nivågränsvärde (NVG) (mg/m³)	221 mg/m³ (Xylene)
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm (Xylene)
Sweden	kortidsvärde (KTV) (mg/m³)	442 mg/m ³ (Xylene)
Sweden	kortidsvärde (KTV) (ppm)	100 ppm (Xylene)
Sweden	OEL chemical category (SE)	Skin notation
Switzerland	KZGW (mg/m³)	870 mg/m ³
Switzerland	KZGW (ppm)	200 ppm
Switzerland	MAK (mg/m ³)	435 mg/m ³
Switzerland	MAK (ppm)	100 ppm
Switzerland	OEL chemical category (CH)	Skin notation
Switzerland	Switzerland - BLV	2 g/l Parameter: Methylhippuric acid - Medium: urine - Sampling time: end of shift
United Kingdom	WEL TWA (mg/m³)	220 mg/m ³

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United Kingdom	WEL TWA (ppm)	50 ppm	
United Kingdom	WEL STEL (mg/m³)	441 mg/m³	
United Kingdom WEL STEL (ppm)		100 ppm	
United Kingdom	WEL chemical category	Potential for cutaneous absorption	

8.2. Exposure Controls

Appropriate Engineering Controls Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Gas detectors should be used when toxic gases may be released.

Personal Protective Equipment

Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.

Chemically resistant materials and fabrics. Wear fire/flame



Materials for Protective Clothing

Hand Protection Eye Protection Skin and Body Protection Respiratory Protection resistant/retardant clothing. Wear protective gloves. Chemical safety goggles. Wear suitable protective clothing. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection. When using, do not eat, drink or smoke.

Other Information

SECTION 9: Physical and Chemical Hazards

9.1. Information on Basic Physical and Chemical Properties

Physical State Liauid Colour Colourless Odour Solvent Odour Threshold No data available рΗ No data available **Evaporation Rate** No data available Melting Point No data available Freezing Point No data available **Boiling Point** 140 °C (284 °F) Flash Point 27 °C (81 °F) No data available Auto-Ignition Temperature **Decomposition Temperature** No data available Flammability (Solid, Gas) Not applicable Vapour Pressure No data available Relative Vapour Density At 20 °C No data available **Relative Density** No data available

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Solubility	No data available
Partition Coefficient n-Octanol/Water	No data available
Viscosity, Kinematic	No data available
Viscosity, Dynamic	No data available
Explosive Properties	No data available
Oxidising Properties	No data available
Explosive Limits	Not applicable
0.0 Other Information	

9.2. Other Information

VOC content

60 - 80 %

SECTION 10: Stability and Reactivity

10.1. Reactivity

Reacts violently with strong oxidisers. Increased risk of fire or explosion.

10.2. Chemical Stability

Flammable liquid and vapour. May form flammable or explosive vapour-air mixture.

10.3. Possibility Of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions To Avoid

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products

No additional information available

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

Acute Toxicity	Harmful in contact with skin. Harmful if inhaled.			
R-1082				
ATE CLP (dermal)	1617,647 mg/kg bodyweight			
ATE CLP (vapours)	16,176 mg/l/4h			
Silanetriol, methyl-, triacetate (425	53-34-3)			
LD50 Oral Rat	1437 - 1780 mg/kg			
LD50 Oral	1602 mg/kg			
Decamethylcyclopentasiloxane (541-02-6)			
LD50 Oral Rat	> 5000 mg/kg (Species: Sprague-Dawley)			
LD50 Dermal Rabbit	> 2000 mg/kg (Species: New Zealand White) No deaths reported			
LC50 Inhalation Rat	8,67 mg/l/4h (Species: Fischer)			
Dodecamethylcyclohexasiloxane (540-97-6)				
LD50 Oral Rat	> 50 g/kg			
DibutyItin dilaurate (77-58-7)				
LD50 Oral	175 mg/kg			
LD50 Dermal Rat	> 2 g/kg			
Reaction mass of ethylbenzene and xylene				

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Reaction mass of ethylbenzene and xylene			
LD50 Oral Rat	3523 mg/kg		
LC50 Inhalation Rat	6700 ppm/4h		
ATE CLP (oral)	3523 mg/kg bodyweight		
Skin Corrosion/Irritation	Causes skin irritation.		
Eye Damage/Irritation	Eye Damage/Irritation Causes serious eye damage.		
Respiratory or Skin Sensitization Not classified (Based on available data, the classification		available data, the classification	
criteria are not me		t)	
o ,		ed on available data, the classification	
criteria are not met)			
Carcinogenicity		available data, the classification	
	criteria are not met)		
Reproductive Toxicity		classified (Based on available data,	
		classification criteria are not met)	
Specific Target Organ Toxicity (Single Exposure)		cause respiratory irritation.	
Specific Target Organ Toxicity (Repeated Exposure)		cause damage to organs through	
prolonged or repeated exposure.			
Aspiration Hazard May be fatal if swallowed and enters airways.			

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General	Not classified.
Dibutyltin dilaurate (77-58-7)	
EC50 Daphnia 1	0,463 mg/l (Daphnia magna)
12.2. Persistence and Degrad	ability
R-1082	
Persistence and Degradability	Not established.
12.3. Bioaccumulative Potent	ial
R-1082	
Bioaccumulative potential	Not established.
Silanetriol, methyl-, triacetate (42	53-34-3)
Log Pow	0,25 KowWin
DibutyItin dilaurate (77-58-7)	
Log Pow	4,44
12.4. Mobility in Soil	
No additional information availa	ole
12.5. Results of PBT and vPvB of	assessment
Decamethylcyclopentasiloxane	(541-02-6)
This substance/mixture meets the	e vPvB criteria of REACH regulation, annex XIII
Dodecamethylcyclohexasiloxan	e (540-97-6)
This substance (mixture meets the	VDVP oritoria of REACUL regulation, appay VIII

This substance/mixture meets the vPvB criteria of REACH regulation, annex XIII

12.6. Other Adverse Effects

Other Information

Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Product/Packaging Disposal	Dispose of contents/container in accordance with local,
Recommendations	regional, national, and international regulations.
Additional Information	Handle empty containers with care because residual vapours
	are flammable.
Ecology - Waste Materials	Avoid release to the environment.

SECTION 14: Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID		
			ADIN	RID		
14.1. UN Numbe	14.1. UN Number					
1307	1307	1307	1307	1307		
14.2. UN Proper S	Shipping Name					
XYLENES	XYLENES	XYLENES	XYLENES	XYLENES		
(Solution)	(Solution)	(Solution)	(Solution)	(Solution)		
14.3. Transport H	azard Class(Es)					
3	3	3	3	3		
14.4. Packing Gr	oup					
14.5. Environmental Hazards						
Dangerous for	Dangerous for	Dangerous for	Dangerous for	Dangerous for		
the environment :	the environment :	the environment :	the environment :	the environment :		
No	No	No	No	No		
	Marine pollutant :					
	No					
144 Special Processions For Llear						

14.6. Special Precautions For User

No additional information available

14.7. Transport in Bulk According to Annex II of MARPOL and The IBC Code Not applicable

SECTION 15: Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

15.1.1. EU-Regulations

Contains a substance on the REACH candidate list in concentration ≥ 0.1% or with a lower specific limit: Decamethylcyclopentasiloxane (D5) (EC 208-764-9, CAS 541-02-6), Dodecamethylcyclohexasiloxane (D6) (EC 208-762-8, CAS 540-97-6) Contains no REACH Annex XIV substances

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15.1.2. National Regulations

No additional information available

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

SECTION 16: Other Information

Indication of Changes

Section	Section Header	Change	Date Changed
1, 4, 5, 6, 7, 9, 10, 11, 12,	Minor changes to whole sections	Modified	26/08/2020
13, 14, 15, 16			
2	Label elements	Modified	26/08/2020
3	Composition/information on ingredients	Modified	26/08/2020
8	Exposure controls	Modified	26/08/2020

Date of Preparation or Latest 26/08/2020 Revision Data Sources Information

Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.

Other Information

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Full Text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
Muta. 2	Germ cell mutagenicity, Category 2	
Repr. 1B	Reproductive toxicity, Category 1B	
Skin Corr. 1C	Skin corrosion/irritation, Category 1C	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1	
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	
STOT SE 1	Specific target organ toxicity — Single exposure, Category 1	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
H226	Flammable liquid and vapour.	

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H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
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.
EUH014	Reacts violently with water.

Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists NDS - Najwyzsze Dopuszczalne Stezenie 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 ATE - Acute Toxicity Estimate NRD - Nevirsytinas Ribinis Dydis BCF - Bioconcentration Factor NTP - National Toxicology Program BEI - Biological Exposure Indices (BEI) OEL - Occupational Exposure Limits BOD - Biochemical Oxygen Demand CAS No. - Chemical Abstracts Service Number PEL - Permissible Exposure Limit CLP - Classification, Labeling and Packaging Regulation (EC) No 1272/2008 pH - Potential Hydrogen COD - Chemical Oxygen Demand EC – European Community EC50 - Median Effective Concentration EEC – European Economic Community SDS - Safety Data Shee EINECS - European Inventory of Existing Commercial Chemical Substances STEL - Short Term Exposure Limit STOT - Specific Target Organ Toxicity EmS-No. (Fire) - IMDG Emergency Schedule Fire EmS-No. (Spillage) - IMDG Emergency Schedule Spillage EU – European Union ErC50 - EC50 in Terms of Reduction Growth Rate ThOD – Theoretical Oxygen Demand GHS – Globally Harmonized System of Classification and Labeling of Chemicals IARC - International Agency for Research on Cancer TLM - Median Tolerance Limit TLV - Threshold Limit Value IATA - International Air Transport Association TPRD - Trumpalaikio Poveikio Ribinis Dydis IBC Code - International Bulk Chemical Code IMDG - International Maritime Dangerous Goods ortsbeweglichen Behältern IPRV - Ilgalaikio Poveikio Ribinis Dydis IOELV – Indicative Occupational Exposure Limit Value LC50 - Median Lethal Concentration LD50 - Median Lethal Dose LOAEL - Lowest Observed Adverse Effect Level TSCA - Toxic Substances Control Act TWA - Time Weighted Average LOEC - Lowest-Observed-Effect Concentration Log Koc - Soil Organic Carbon-water Partitioning Coefficient Log Kow - Octanol/water Partition Coefficient Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-VLE – Valeur Limite D'exposition phase system consisting of two largely immiscible solvents, in this case octanol and water MAK - Maximum Workplace Concentration/Maximum Permissible Concentration WEL - Workplace Exposure Limit MARPOL - International Convention for the Prevention of Pollution WGK - Wassergefährdungsklasse

NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe NDSP - Naiwyzsze Dopuszczalne Stezenie Pulapowe NOAEL - No-Observed Adverse Effect Level NOEC - No-Observed Effect Concentration PBT - Persistent, Bioaccumulative and Toxic REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail SADT - Self Accelerating Decomposition Temperature TA-Luft - Technische Anleitung zur Reinhaltung der Luft TEL TRK – Technical Guidance Concentrations TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffen in TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte VVCC – Volatile Organic Compounds VLA-EC - Valor Límite Ambiental Exposición de Corta Duración VLA-ED - Valor Límite Ambiental Exposición Diaria VME - Valeur Limite De Movenne Exposition vPvB - Very Persistent and Very Bioaccumulative

Nusil FU GHS SDS

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