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

1.1. Product identifier

Product form : Mixture

Trade name/designation : VDP-Q M8, VDP-Q M10, VDP-Q M12, VDP-Q M12/1,5t, VDP-Q M14, VDP-Q M16, VDP-Q M16/1,5t, VDP-Q M20, VDP-Q M22, VDP-Q M24, VDP-Q M24/1,5t, VDP-Q M30

Product group : Trade product

UFI : EUMD-K0KG-Y002-Q58P

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Professional use

Use of the substance/mixture : Building and construction work

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

B+BTec
Munterij 8
4762AH Zevenbergen - The Netherlands
T +31 168 331 240
msds@bbtec.nl

1.4. Emergency telephone number

Emergency number : +31 168 33 12 60 (8h - 17h)

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3 H226

Acute toxicity (oral), Category 4 H302

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 2 H319

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Skin sensitisation, Category 1 H317
 Reproductive toxicity, Category 2 H361d
 Specific target organ toxicity – Repeated exposure, Category 1 H372
 Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411
 Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word

: Danger

Contains

: Styrene; Dibenzoyl peroxide; 1,1'-(p-tolylimino)dipropen-2-ol

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.
 H302 - Harmful if swallowed.
 H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H361d - Suspected of damaging the unborn child.
 H372 - Causes damage to organs through prolonged or repeated exposure.
 H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: 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+P235 - Store in a well-ventilated place. Keep cool.
 P501 - Dispose of contents to an approved waste disposal plant.

2.3. Other hazards

Other hazards

: Vapours can form explosive mixtures with air. Results of PBT and vPvB assessment : Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.

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Component	
ethylene dibenzoate (94-49-5)	This substance/mixture does not meet the PBT/PMT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB/vPvM criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quartz (respirable dust <1%) substance with a Community workplace exposure limit	CAS-No.: 14808-60-7 EC-No.: 238-878-4	15-55%	Not classified
Styrene	CAS-No.: 100-42-5 EC-No.: 202-851-5 EC Index-No.: 601-026-00-0 REACH-no: 01-2119457861-32-xxxx	1 – 12,5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1,5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
ethylene dibenzoate	CAS-No.: 94-49-5 EC-No.: 202-338-6 REACH-no: 01-2120759933-41-xxxx	0 – 1,5	Aquatic Chronic 2, H411
Dibenzoyl peroxide	CAS-No.: 94-36-0 EC-No.: 202-327-6 EC Index-No.: 617-008-00-0 REACH-no: 01-2119511472-50-xxxx	0,5 - <2,5	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)

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Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,1'-(p-tolylimino)dipropen-2-ol	CAS-No.: 38668-48-3 EC-No.: 254-075-1	0 - 0,75	Acute Tox. 2 (Oral), H300 (ATE=5 mg/kg bodyweight) Eye Irrit. 2, H319 Aquatic Chronic 3, H412
methacrylic acid; 2-methylpropenoic acid	CAS-No.: 79-41-4 EC-No.: 201-204-4 EC Index-No.: 607-088-00-5	0 – 0,1	Acute Tox. 4 (Oral), H302 (ATE=1320 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1,5 mg/l/4h) Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335

Specific concentration limits:

Substance name	Product identifier	Specific concentration limits (%)
methacrylic acid; 2-methylpropenoic acid	CAS-No.: 79-41-4 EC-No.: 201-204-4 EC Index-No.: 607-088-00-5	(1 ≤ C < 100) STOT SE 3; H335 (1 ≤ C < 3) Eye Irrit. 2; H319 (1 ≤ C < 10) Skin Irrit. 2; H315 (3 ≤ C < 10) Eye Dam. 1; H318 (10 ≤ C < 100) Skin Corr. 1A; H314

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice	: First aider: Pay attention to self-protection. Show this safety data sheet to the doctor in attendance. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	: Remove casualty to fresh air and keep warm and at rest. In case of doubt or persistent symptoms, consult always a physician.
Skin contact	: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.
Eyes contact	: Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, consult always a physician.
Ingestion	: Rinse mouth thoroughly with water. Get medical advice/attention.

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

Inhalation	: No adverse effects are expected. May be irritating.
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Skin contact	: May cause an allergic skin reaction. Causes skin irritation.
Eyes contact	: Causes serious eye irritation.
Ingestion	: Harmful if swallowed.
Chronic symptoms	: Causes damage to organs through prolonged or repeated exposure. Suspected of damaging the unborn child.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO ₂), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards	: Flammable liquid and vapour. Heating will cause a rise in pressure with a risk of bursting. Vapours may form explosive mixture with air. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
Hazardous decomposition products in case of fire	: Burning produces noxious and toxic fumes. (CO _x).

5.3. Advice for firefighters

Firefighting instructions	: Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
Other information	: Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel	: Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.
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6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation. Cover the spilled liquid product with foam to slow down evaporation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools.

Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Storage of flammable liquids. Keep container tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feedingstuffs. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.
Incompatible materials	: Strong acids, strong oxidants. Strong bases.
Storage temperature	: < 25 °C
Heat and ignition sources	: Keep away from open flames, hot surfaces and sources of ignition. Do not smoke. Keep out of direct sunlight.
Special rules on packaging	: Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep container tight closed.
Packaging materials	: Keep only in the original container.

Germany

German storage class (LGK)	: LGK 3 - Flammable liquids
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7.3. Specific end use(s)

Building and construction work.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Quartz (respirable dust <1%) (14808-60-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Silica crystalline (Quartz)
IOEL TWA	0,05 mg/m ³ (respirable dust)
Remark	(Year of adoption 2003)
Regulatory reference	SCOEL Recommendations
Austria - Occupational Exposure Limits	
Local name	Quarzfeinstaub (alveolengängiges kristallines Siliziumdioxid)
MAK (OEL TWA)	0,05 mg/m ³ (alveolar dust, respirable fraction)
Remark	Krebserzeugend: III C
OEL chemical category	Group C Carcinogen alveolar dust
Regulatory reference	BGBl. II Nr. 156/2021
Austria - Biological limit values	
Local name	Quarz Staub

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Quartz (respirable dust <1%) (14808-60-7)	
Remark	Eignung mit vorzeitiger Folgeuntersuchung: Bei Vorliegen einer wesentlichen Beeinträchtigung der Lungenfunktion. Diese liegt jedenfalls vor, wenn nach mehrmaliger Messung der beste gemessene Wert den für den/die Untersuchte/n maßgebenden Sollwert um 20% unterschreitet bzw. den MEF50-Sollwert um 50% unterschreitet. Eine vorzeitige Folgeuntersuchung ist jedoch nicht erforderlich, wenn im Vergleich zu Vorbefunden der altersabhängige physiologische Abfall der 1-Sekundenkapazität (FEV1) von 40 ml/Jahr nicht überschritten wird oder aus der Beurteilung des Kurvenverlaufes der Forcierten Vitalkapazität (FVC) eine eingeschränkte Mitarbeit des Untersuchten/der Untersuchten ersichtlich ist. Der Zeitabstand zwischen den Untersuchungen beträgt bei Eignung: zwei Jahre bzw. für die Röntgenuntersuchung 4 Jahre; bei Eignung mit vorzeitiger Folgeuntersuchung: ein Jahr. Sofern eine vorzeitige Folgeuntersuchung lediglich auf Grund veränderter Lungenfunktionswerte erfolgt, ist die Lungenfunktionsprüfung durchzuführen, jedoch keine Röntgen-Aufnahme anzufertigen.
Regulatory reference	Verordnung über die Gesundheitsüberwachung am Arbeitsplatz 2017 (VGÜ 2017)
Belgium - Occupational Exposure Limits	
Local name	Silices cristallines: quartz (poussières alvéolaires) # Siliciumdioxide (kristallijn): kwarts (inadembaar stof)
OEL TWA	0,05 mg/m ³ (alveolar dust)
Remark	C: la mention "C" signifie que l'agent en question relève du champ d'application du titre 2 relatif aux agents cancérogènes, mutagènes et reprotoïques du livre VI du code de bien-être au travail. # C: de vermelding "C" betekent dat het betrokken agens valt onder het toepassingsgebied van titel 2 betreffende kankerverwekkende, mutagene en reprotoxische agentia van boek VI van de codex over het welzijn op het werk.
OEL chemical category	Carcinogen alveolar dust
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Croatia - Occupational Exposure Limits	
Local name	Kristalni SiO ₂ , kvarc
GVI (OEL TWA)	0,1 mg/m ³ (regulated under Quartz sand-respirable dust; respirable particle)
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 148/2023)
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	0,1 mg/m ³ (dust)

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Quartz (respirable dust <1%) (14808-60-7)	
Denmark - Occupational Exposure Limits	
Local name	Kvarts
8-timers grænseværdi (OEL TWA)	0,3 mg/m ³ (total) 0,1 mg/m ³ (respirable)
Korttidsgrænseværdi (OEL STEL)	0,6 mg/m ³ (total) 0,2 mg/m ³ (respirable)
Remark	E (betyder, at stoffet har en EF-grænseværdi); K (betyder, at stoffet anses for at kunne være kræftfremkaldende)
Regulatory reference	BEK nr 202 af 21/02/2023
Finland - Occupational Exposure Limits	
Local name	Kvartsi
HTP (OEL TWA)	0,05 mg/m ³ (respirable dust)
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)
France - Occupational Exposure Limits	
Local name	Quartz (Silice cristalline)
VLEP 8h (OEL TWA)	0,1 mg/m ³ (restrictive limit, except for cristobalite and tridymite alveolar fractions-alveolar fraction)
Remark	Valeurs réglementaires contraignantes. Les travaux exposant à la poussière de silice cristalline alvéolaire issue de procédés de travail sont considérés comme cancérogènes (arrêté du 26 octobre 2020 modifié).
OEL chemical category	Carcinogen categories 1A, 1B, 2 activities involving exposure to respirable crystalline silica dust from industrial processes
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 6443, 2022; Outil65; Décret n° 2019-1487; Décret n° 2020-1546; Décret n° 2021-434; Décret n° 2021-1849)
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	0,1 mg/m ³ (respirable fraction (flying and fibrous powders))
Ireland - Occupational Exposure Limits	
Local name	Quartz, respirable dust
OEL TWA	0,1 mg/m ³ (respirable dust)
OEL STEL	0,3 mg/m ³
Remark	BOELV (Binding Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2021

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Quartz (respirable dust <1%) (14808-60-7)	
Lithuania - Occupational Exposure Limits	
Local name	Įkvepiamojo kristalinio silicio dioksido dulkės (išskyrus kristobalitą ir tridimitą)
IPRV (OEL TWA)	0,1 mg/m ³ (alveolinė frakcija)
	0,1 ppm (Silicon dioxide variation-respirable fraction)
Remark	Kristalinio silicio dioksido formos yra šios: alfa kvarcas, beta kvarcas, alfa tridimitas, beta tridimitas, alfa kristobalitas, beta kristobalitas, kititas, koesitas, stišovitas ir moganitas. Kristobalitui ir tridimitui RD nustatytas atskirai.
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-457/A1-154, 2022-07-18)
Netherlands - Occupational Exposure Limits	
Local name	Respirabel kristallijn silicastof: – kwarts
TGG-8u (OEL TWA)	0,075 mg/m ³ (respirable fraction (Silica, crystalline (respirable size)))
Remark	Kankerverwekkende stof
Regulatory reference	Arbeidsomstandighedenregeling 2024
Poland - Occupational Exposure Limits	
Local name	Krzemionka krystaliczna – kwarc
NDS (OEL TWA)	0,1 mg/m ³ (respirable fraction)
Remark	Frakcja respirabilna – frakcja aerozolu wnikająca do dróg oddechowych, która stwarza zagrożenie dla zdrowia po zdeponowaniu w obszarze wymiany gazowej.
Regulatory reference	Dz. U. 2018 poz. 1286 wraz z późn. zm.
Portugal - Occupational Exposure Limits	
Local name	Silica, cristalina α-Quartzo
OEL TWA	0,025 mg/m ³ (respirable fraction)
OEL chemical category	A2 - Suspected Human Carcinogen
Remark	A2 (Agente carcinogénico confirmado nos animais de laboratorio con relevância desconhecida no Homem)
Regulatory reference	Norma Portuguesa NP 1796:2014
Romania - Occupational Exposure Limits	
OEL TWA	0,1 mg/m ³ (dust, respirable fraction)
Slovakia - Occupational Exposure Limits	
Local name	Oxid kremičitý, kryštalický
NPHV (OEL TWA)	0,1 mg/m ³ respirabilná frakcia (TSH)

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Quartz (respirable dust <1%) (14808-60-7)	
Remark	Kategória karcinogénov 1A – Dokázaný karcinogén pre ľudí
Regulatory reference	Nariadenie vlády č. 356/2006 Z. z. (235/2020 Z. z.)
Spain - Occupational Exposure Limits	
Local name	Sílice Cristalina: Cuarzo
VLA-ED (OEL TWA)	0,05 mg/m ³ (carcinogenic agent with a binding limit value included in annex III of Royal Decree 665/1997 and its subsequent amendments-respirable fraction (Silica crystalline))
Remark	v (Agente cancerígeno con valor límite vinculante recogido en el anexo III del Real Decreto 665/1997 y en sus modificaciones posteriores), d (Véase UNE EN 481: Atmósferas en los puestos de trabajo. Definición de las fracciones por el tamaño de las partículas para la medición de aerosoles), y (Reclasificado, por la International Agency for Research on Cancer (IARC) de grupo 2A (probablemente carcinogénico en humanos) a grupo 1 (carcinogénico en humanos)).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2024. INSHT
Sweden - Occupational Exposure Limits	
Local name	Kvarts
NGV (OEL TWA)	0,1 mg/m ³ (respirable fraction)
Remark	C (Ämnet är cancerframkallande. Risk för cancer finns även vid annan exponering än via inandning. För vissa cancerframkallande ämnen som inte har gränsvärden gäller förbud eller tillståndskrav enligt föreskrifterna om kemiska arbetsmiljörisker); M (Medicinska kontroller kan krävas för hantering av ämnet. Se vidare föreskrifterna om medicinska kontroller i arbetslivet. För vissa ämnen ska arbetsgivaren erbjuda läkarundersökning och för andra ämnen gäller krav på periodisk läkarundersökning och tjänstbarhetsbedömning); 3 (Den respirabla fraktionen är de inhalerbara partiklar som når längst ner i luftvägarna, till alveolerna i lungorna)
OEL chemical category	Carcinogen
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
Norway - Occupational Exposure Limits	
Local name	Krystallinsk silika (SiO ₂), α-kvarts
Grenseverdi (OEL TWA)	0,05 mg/m ³ (dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula. At the same time, the values for Nuisance dust must be observed-respirable dust) 0,3 mg/m ³ (dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula. At the same time, the values for Nuisance dust must be observed-total dust)
Korttidsverdi (OEL STEL)	0,9 mg/m ³ (value calculated-total dust) 0,15 mg/m ³ (value calculated-respirable dust)

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Quartz (respirable dust <1%) (14808-60-7)	
Remark	K: Kjemikalier som skal betraktes som kreftfremkallende; G: EU har fastsatt en bindende grenseverdi og/eller anmerkning for stoffet; 7) Støv som inneholder α-kvarts, kristobalitt og/eller tridymitt vurderes ut fra summasjonsformel. Samtidig må verdiene for sjenerende støv overholdes.
OEL chemical category	Carcinogen
Regulatory reference	FOR-2023-12-18-2278
North Macedonia - Occupational Exposure Limits	
Local name	силика (кремен)
OEL TWA	0,15 mg/m ³ (A) алвеоларна фракција – дел на вдишани суспендирани материји, кои доспеваат до алвеолите
Remark	(Y)
Regulatory reference	Правилник за минималните барања за безбедност и здравје при работа на вработени од ризици поврзани со изложување на хемиски супстанции („Службен весник на Република Македонија“ бр.46/10)
Switzerland - Occupational Exposure Limits	
Local name	Dioxyde de silicium cristallisé [Quartz, Cristobalite, Tridymite] / Siliciumdioxid, kristallin [Quarz, Tridymit, Cristobalit]
MAK (OEL TWA)	0,15 mg/m ³ (respirable dust)
Notation	C1 _A , SS _C , P / C1 _A , SS _C , P
Remark	HSE, NIOSH, OSHA
OEL chemical category	Category C1A carcinogen
Regulatory reference	www.suva.ch, 01.01.2024
USA - ACGIH® - Threshold Limit Values	
Local name	Silica crystalline - quartz
ACGIH® TLV® TWA	0,025 mg/m ³ (respirable particulate matter)
Remark (ACGIH®)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
ACGIH® chemical category	Suspected Human Carcinogen
Regulatory reference	ACGIH 2024

Styrene (100-42-5)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	85 mg/m ³
	20 ppm
MAK (OEL STEL)	340 mg/m ³

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Styrene (100-42-5)	
	80 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	108 mg/m ³
	25 ppm
OEL STEL	346 mg/m ³
	80 ppm
OEL chemical category	Skin
Bulgaria - Occupational Exposure Limits	
OEL TWA	85 mg/m ³
OEL STEL	215 mg/m ³
Bulgaria - Biological limit values	
BLV	600 mg/g creatinine Parameter: Mandelic acid and Phenylglyoxylic acid - total - Medium: urine - Sampling time: at the end of exposure or end of work shift, in remote exposure - after several work shifts
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	430 mg/m ³
	100 ppm
KGVI (OEL STEL)	1080 mg/m ³
	250 ppm
OEL chemical category	Skin notation
Croatia - Biological limit values	
BLV	20 µg/l Parameter: Styrene - Medium: blood - Sampling time: about 16 hours after completion of the work shift 1 g/g creatinine Parameter: Mandelic acid - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine) 240 mg/g creatinine Parameter: Phenylglyoxylic acid - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine) 600 mg/g creatinine Parameter: Mandelic acid and Phenylglyoxylic acid - Medium: urine - Sampling time: at the end of the work shift; at chronic exposure in the middle of the working week (calculated on the average Creatinine value of 1.2 g/L urine)
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	100 mg/m ³
OEL chemical category	Potential for cutaneous absorption

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Styrene (100-42-5)	
Czech Republic - Biological limit values	
BLV	300 µmol/mmol Creatinine Parameter: Mandelic acid - Medium: urine - Sampling time: end of shift 400 mg/g creatinine Parameter: Mandelic acid - Medium: urine - Sampling time: end of shift 600 mg/g creatinine Parameter: Mandelic and Phenylglyoxylic acid - Medium: urine - Sampling time: end of shift
Denmark - Occupational Exposure Limits	
Loftværdi (OEL C)	105 mg/m ³ 25 ppm
OEL chemical category	Potential for cutaneous absorption
Estonia - Occupational Exposure Limits	
OEL TWA	90 mg/m ³ 20 ppm
OEL STEL	200 mg/m ³ 50 ppm
OEL chemical category	Skin notation
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	86 mg/m ³ 20 ppm
HTP (OEL STEL)	430 mg/m ³ 100 ppm
Finland - Biological limit values	
BLV	Parameter: MAPGA - Medium: urine - Sampling time: in the morning after a working day (MAPGA equals sum of urinary Mandelic and Phenylglyoxylic acids)
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	100 mg/m ³ (indicative limit) 23,3 ppm (indicative limit)
VLEP CT (OEL STEL)	200 mg/m ³ (indicative limit) 46,6 ppm (indicative limit)
OEL chemical category	Reproductive Toxin category 2, Risk of cutaneous absorption

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Styrene (100-42-5)	
France - Biological limit values	
BLV	0,04 mg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift 600 mg/g creatinine Parameter: Mandelic acid and Phenylglyoxyl - Medium: urine - Sampling time: end of shift, preferably at end of workweek
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³) (TRGS900)	86 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Occupational exposure limit value (ppm) (TRGS900)	20 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany - Biological limit values (TRGS 903)	
Biological limit value	600 mg/g creatinine Parameter: Mandelic acid plus Phenylglyoxylic acid - Medium: urine - Sampling time: end of shift 600 mg/g creatinine Parameter: Mandelic acid plus Phenylglyoxylic acid - Medium: urine - Sampling time: for long-term exposures: at the end of the shift after several shifts
Greece - Occupational Exposure Limits	
OEL TWA	425 mg/m ³
	100 ppm
OEL STEL	1050 mg/m ³
	250 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	86 mg/m ³
CK (OEL STEL)	50 mg/m ³
Ireland - Occupational Exposure Limits	
OEL TWA	85 mg/m ³
	20 ppm
OEL STEL	170 mg/m ³
	40 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	10 mg/m ³

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Styrene (100-42-5)	
Latvia - Biological Exposure Indices	
BEI	600 mg/g creatinine Parameter: Mandelic acid - Medium: urine - Sampling time: at the end of exposure or shift (for assessment of long-term exposure, samples are taken at the end of a shift after several previous shifts) 600 mg/g creatinine Parameter: Phenylglyoxylic acid - Medium: urine - Sampling time: at the end of exposure or shift (for assessment of long-term exposure, samples are taken at the end of a shift after several previous shifts) 0,55 mg/l Parameter: Styrene - Medium: blood - Sampling time: end of shift (for assessment of long-term exposure, samples are taken at the end of a shift after several previous shifts)
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	90 mg/m ³
	20 ppm
	10 ppm (for planning of new facilities or replacing the old ones)
TPRV (OEL STEL)	200 mg/m ³
	50 ppm
OEL chemical category	Skin notation
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	50 mg/m ³
NDSch (OEL STEL)	100 mg/m ³
Portugal - Occupational Exposure Limits	
OEL TWA	20 ppm
OEL STEL	40 ppm
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen
Romania - Occupational Exposure Limits	
OEL TWA	50 mg/m ³
	12 ppm
OEL STEL	150 mg/m ³
	35 ppm

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Styrene (100-42-5)	
Romania - Biological limit values	
BLV	800 mg/g creatinine Parameter: Mandelic acid - Medium: urine - Sampling time: end of shift 300 mg/g creatinine Parameter: Mandelic acid - Medium: urine - Sampling time: beginning of next shift 100 mg/g creatinine Parameter: Phenylglyoxylic acid - Medium: urine - Sampling time: end of shift 0,55 mg/l Parameter: Styrene - Medium: blood - Sampling time: end of shift 0,02 mg/l Parameter: Styrene - Medium: blood - Sampling time: beginning of next shift
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	86 mg/m ³
	20 ppm
NPHV (OEL C)	200 mg/m ³
Slovakia - Biological limit values	
BLV	901 mg/l Parameter: Mandelic acid and Phenylglycolic acid - Medium: urine - Sampling time: after all work shifts 600 mg/g creatinine Parameter: Mandelic acid and Phenylglycolic acid - Medium: urine - Sampling time: end of exposure or work shift (for long-term exposure)
Slovenia - Occupational Exposure Limits	
OEL TWA	86 mg/m ³
	20 ppm
OEL STEL	172 mg/m ³
	40 ppm
OEL chemical category	Category 2
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	86 mg/m ³ (endocrine disruptor)
	20 ppm (endocrine disruptor)
VLA-EC (OEL STEL)	172 mg/m ³
	40 ppm
Spain - Biological limit values	
BLV	400 mg/g creatinine Parameter: Mandelic acid plus Phenylglyoxylic acid - Sampling time: end of shift 0,2 mg/l Parameter: Styrene - Medium: venous blood - Sampling time: end of shift

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Styrene (100-42-5)	
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	43 mg/m ³
	10 ppm
KGV (OEL STEL)	86 mg/m ³
	20 ppm
OEL chemical category	Skin notation
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	430 mg/m ³
	100 ppm
WEL STEL (OEL STEL)	1080 mg/m ³
	250 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	105 mg/m ³
	25 ppm
Korttidsverdi (OEL STEL)	131,25 mg/m ³ (value calculated)
	37,5 ppm (value calculated)
OEL chemical category	Potential mutagen
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	85 mg/m ³
	20 ppm
KZGW (OEL STEL)	170 mg/m ³
	40 ppm
Switzerland - BAT	
BAT	600 mg/g creatinine Parameter: Mandelic acid and Phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (see also Ethyl benzene)
USA - ACGIH® - Threshold Limit Values	
ACGIH® TLV® TWA	10 ppm
ACGIH® TLV® STEL	20 ppm
ACGIH® chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA - ACGIH® - Biological Exposure Indices	
BEI	150 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 20 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift

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Dibenzoyl peroxide (94-36-0)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	5 mg/m ³ (inhalable fraction)
MAK (OEL STEL)	10 mg/m ³ (inhalable fraction)
OEL chemical category	Skin sensitizer
Belgium - Occupational Exposure Limits	
OEL TWA	5 mg/m ³
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	5 mg/m ³
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	5 mg/m ³
OEL chemical category	Sensitizer
Denmark - Occupational Exposure Limits	
8-timers grænseværdi (OEL TWA)	5 mg/m ³
Korttidsgrænseværdi (OEL STEL)	10 mg/m ³
Estonia - Occupational Exposure Limits	
OEL TWA	5 mg/m ³
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	5 mg/m ³
HTP (OEL STEL)	10 mg/m ³
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	5 mg/m ³
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³) (TRGS900)	4 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction) 1 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-respirable fraction)
Greece - Occupational Exposure Limits	
OEL TWA	5 mg/m ³
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	5 mg/m ³
CK (OEL STEL)	5 mg/m ³
OEL chemical category	Sensitizer, Potential for cutaneous absorption

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Dibenzoyl peroxide (94-36-0)	
Ireland - Occupational Exposure Limits	
OEL TWA	5 mg/m ³
OEL STEL	15 mg/m ³ (calculated)
OEL chemical category	Sensitizer
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	5 mg/m ³
NDSch (OEL STEL)	10 mg/m ³
Portugal - Occupational Exposure Limits	
OEL TWA	5 mg/m ³
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	5 mg/m ³
Slovenia - Occupational Exposure Limits	
OEL TWA	5 mg/m ³ (inhalable fraction)
OEL STEL	5 mg/m ³ (inhalable fraction)
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	5 mg/m ³
OEL chemical category	Sensitizer
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	5 mg/m ³
WEL STEL (OEL STEL)	15 mg/m ³ (calculated)
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	5 mg/m ³
Korttidsverdi (OEL STEL)	10 mg/m ³ (value calculated)
OEL chemical category	Allergenic substance
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	5 mg/m ³ (inhalable dust)
KZGW (OEL STEL)	5 mg/m ³ (inhalable dust)
USA - ACGIH® - Threshold Limit Values	
ACGIH® TLV® TWA	5 mg/m ³
ACGIH® chemical category	Not Classifiable as a Human Carcinogen

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methacrylic acid; 2-methylpropenoic acid (79-41-4)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	70 mg/m ³
	20 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	71 mg/m ³
	20 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	70 mg/m ³
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	72 mg/m ³
	20 ppm
KGVI (OEL STEL)	143 mg/m ³
	40 ppm
Denmark - Occupational Exposure Limits	
8-timers grænseværdi (OEL TWA)	70 mg/m ³
	20 ppm
Korttidsgrænseværdi (OEL STEL)	140 mg/m ³
	40 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	70 mg/m ³
	20 ppm
OEL STEL	100 mg/m ³
	30 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	71 mg/m ³
	20 ppm
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	70 mg/m ³
	20 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³) (TRGS900)	180 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)

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methacrylic acid; 2-methylpropenoic acid (79-41-4)	
Occupational exposure limit value (ppm) (TRGS900)	50 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece - Occupational Exposure Limits	
OEL TWA	70 mg/m ³
	20 ppm
OEL STEL	140 mg/m ³
	40 ppm
Ireland - Occupational Exposure Limits	
OEL TWA	70 mg/m ³
	20 ppm
OEL STEL	140 mg/m ³
	40 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	10 mg/m ³
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	70 mg/m ³
	20 ppm
TPRV (OEL STEL)	100 mg/m ³
	30 ppm
Portugal - Occupational Exposure Limits	
OEL TWA	20 ppm
Romania - Occupational Exposure Limits	
OEL TWA	30 mg/m ³
	8,5 ppm
OEL STEL	45 mg/m ³
	13 ppm
Slovenia - Occupational Exposure Limits	
OEL TWA	180 mg/m ³
	50 ppm
OEL STEL	360 mg/m ³
	100 ppm
OEL chemical category	Potential for cutaneous absorption

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methacrylic acid; 2-methylpropenoic acid (79-41-4)	
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	72 mg/m ³
	20 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	70 mg/m ³
	20 ppm
KGV (OEL STEL)	100 mg/m ³
	30 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	72 mg/m ³
	20 ppm
WEL STEL (OEL STEL)	143 mg/m ³
	40 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	70 mg/m ³
	20 ppm
Korttidsverdi (OEL STEL)	105 mg/m ³ (value calculated)
	30 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	180 mg/m ³
	50 ppm
KZGW (OEL STEL)	360 mg/m ³
	100 ppm
USA - ACGIH® - Threshold Limit Values	
ACGIH® TLV® TWA	20 ppm

8.1.2. Recommended monitoring procedures

Monitoring methods	
Monitoring methods	Concentration measurement in air. Personal air monitoring. Personal air monitoring. Room air monitoring.

8.1.3. Air contaminants formed

No additional information available

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8.1.4. DNEL and PNEC

Additional information : Recommended monitoring procedures :. Personal air monitoring. Room air monitoring

8.1.5. Control banding

No additional information available

8.2. Exposure controls

Engineering measure(s)	: Provide adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Organisational measures to prevent/limit releases, dispersion and exposure. See Section 7 for information on safe handling. Take precautionary measures against static discharge. Ensure equipment is adequately earthed. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
Personal protective equipment	: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hand protection	: Wear chemically resistant gloves (tested to EN374). Impervious gloves. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves. Breakthrough time : hours (>8). VITON gloves. Thickness of the glove material: 0,7 mm. Breakthrough time : hours (>2). Butyl rubber. Breakthrough time : hours (<1). Chloroprene. Nitrile rubber. Thickness 0,11 mm
Eye protection	: Use suitable eye protection (EN166): goggles
Body protection	: Wear suitable protective clothing. Long sleeved clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. full face mask (DIN EN 136). Half-face mask (DIN EN 140). Filter type: A (EN 14387). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. (EN 137)
Thermal hazard protection	: Not required for normal conditions of use. Use dedicated equipment.
Environmental exposure controls	: Do not allow to enter into surface water or drains. Comply with applicable Community environmental protection legislation. Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

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Colour	: Colourless.
Appearance	: capsules.
Odour	: Characteristic.
Odour threshold	: No data available
Melting / freezing point	: No data available
Freezing point	: Not available
Initial boiling point and boiling range	: No data available
Flammability	: Not applicable, liquid
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 33 °C Resin
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
pH value	: No data available
Kinematic viscosity	: No data available
Dynamic viscosity	: 390 – 490 mPa·s
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water	: No data available
Vapour pressure	: No data available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: No data available
Vapour density	: No data available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour. Reference to other sections: 10.4 & 10.5.

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air. heat : Polymerisation can occur.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. See Section 7 for information on safe handling.

10.5. Incompatible materials

Strong oxidizing agents. Strong bases. Strong acids. See Section 7 for information on safe handling.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses. Burning produces noxious and toxic fumes. (COx). Reference to other sections 5.2.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

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ATE CLP (oral)	980,392 mg/kg bodyweight
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Styrene (100-42-5)

LD50/oral/rat	1000 mg/kg
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LD50/dermal/rat	> 2000 mg/kg (Source: ECHA)
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LC50/inhalation/4h/rat	11,8 mg/l
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Dibenzoyl peroxide (94-36-0)

LD50/oral/rat	7710 mg/kg (Source: NLM_CIP)
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ethylene dibenzoate (94-49-5)

LD50/oral/rat	> 2000 mg/kg (Source: NICNAS)
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LD50/dermal/rat	> 2000 mg/kg (Source: NICNAS)
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1,1'-(p-tolylimino)dipropen-2-ol (38668-48-3)	
LD50/dermal/rat	> 2000 mg/kg (Source: ECHA_API)

methacrylic acid; 2-methylpropenoic acid (79-41-4)	
LD50/oral/rat	1320 mg/kg (Source: ECHA_API)
LD50/dermal/rabbit	500 – 1000 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation - Rat (Dust/Mist)	1,5 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. pH value: No data available
Serious eye damage/irritation	: Causes serious eye irritation. pH value: No data available
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

Quartz (respirable dust <1%) (14808-60-7)	
IARC group	1 - Carcinogenic to humans

Styrene (100-42-5)	
IARC group	2A - Probably carcinogenic to humans

Dibenzoyl peroxide (94-36-0)	
IARC group	3 - Not classifiable

Reproductive toxicity	: Suspected of damaging the unborn child.
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)

Styrene (100-42-5)	
STOT-single exposure	May cause respiratory irritation.

methacrylic acid; 2-methylpropenoic acid (79-41-4)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
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Styrene (100-42-5)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
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Kinematic viscosity	No data available

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

11.2.2. Other information

Other adverse effects : Causes damage to organs through prolonged or repeated exposure, Suspected of damaging the unborn child.

Other information : Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Styrene (100-42-5)	
LC50 - Fish [1]	3,24 – 4,99 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	19,03 – 33,53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 - Other aquatic organisms [2]	500 mg/l Bacteria
EC50 - Crustacea [1]	3,3 – 7,4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Other aquatic organisms [1]	1,4 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)
EC50 - Other aquatic organisms [2]	0,72 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)
EC50 72h - Algae [1]	1,4 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 72h - Algae [2]	0,46 – 4,3 mg/l (Species: Pseudokirchneriella subcapitata [static])
EC50 96h - Algae [1]	0,72 mg/l (Species: Pseudokirchneriella subcapitata)

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Styrene (100-42-5)	
EC50 96h - Algae [2]	0,15 – 3,2 mg/l (Species: Pseudokirchneriella subcapitata [static])
NOEC (acute)	44 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])
NOEC (additional information)	NOEC, Daphnia : 1,01 mg/l (21d)

Dibenzoyl peroxide (94-36-0)	
LC50 - Fish [1]	0,0602 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: ECHA)

ethylene dibenzoate (94-49-5)	
LC50 - Fish [1]	> 0,434 mg/l Brachydanio rerio (zebra-fish)
EC50 - Crustacea [1]	1,4 mg/l
EC50 - Other aquatic organisms [1]	> 1280 mg/l Activated sludge
ErC50 algae	> 0,87 mg/l Pseudokirchneriella subcapitata (green algae)
NOEC chronic fish	0,073 mg/l Brachydanio rerio (zebra-fish)
NOEC chronic algae	0,045 mg/l Pseudokirchneriella subcapitata (green algae)

1,1'-(p-tolylimino)dipropen-2-ol (38668-48-3)	
LC50 - Fish [1]	17 mg/l (Exposure time: 96 h - Species: Danio rerio [static] Source: ECHA)

methacrylic acid; 2-methylpropenoic acid (79-41-4)	
LC50 - Fish [1]	85 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: ECHA)
EC50 - Crustacea [1]	> 130 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	20 mg/l Raphidocelis subcapitata

12.2. Persistence and degradability

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Persistence and degradability	No additional information available.

Styrene (100-42-5)	
Biodegradation	Readily biodegradable

Dibenzoyl peroxide (94-36-0)	
Persistence and degradability	Readily biodegradable.

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ethylene dibenzoate (94-49-5)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

VDP-Q M8, VDP-Q M10, VDP-Q M12, VDP-Q M12/1,5t, VDP-Q M14, VDP-Q M16, VDP-Q M16/1,5t, VDP-Q M20, VDP-Q M22, VDP-Q M24, VDP-Q M24/1,5t, VDP-Q M30	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No additional information available.

Styrene (100-42-5)	
BCF - Fish [1]	13,5
Partition coefficient n-octanol/water	2,95
Bioaccumulative potential	Does not bioaccumulate.

Dibenzoyl peroxide (94-36-0)	
Partition coefficient n-octanol/water	3,2 (at 22 °C (at pH 7.02)
Bioaccumulative potential	Low potential.

ethylene dibenzoate (94-49-5)	
Bioconcentration factor (BCF)	2,74
Partition coefficient n-octanol/water	3,75 (at 30 °C (at pH 7.7)
Bioaccumulative potential	Low potential.

1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)	
Partition coefficient n-octanol/water	2,1 (at 24 °C (at pH 7.3-7.5)

methacrylic acid; 2-methylpropenoic acid (79-41-4)	
Partition coefficient n-octanol/water	0,93 (at 22 °C (at pH 2.2)

12.4. Mobility in soil

VDP-Q M8, VDP-Q M10, VDP-Q M12, VDP-Q M12/1,5t, VDP-Q M14, VDP-Q M16, VDP-Q M16/1,5t, VDP-Q M20, VDP-Q M22, VDP-Q M24, VDP-Q M24/1,5t, VDP-Q M30	
Mobility in soil	No data available
Ecology - soil	No data available.

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Styrene (100-42-5)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	352 (20°C)

12.5. Results of PBT and vPvB assessment

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Results of PBT assessment	Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	ethylene dibenzoate (94-49-5)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	ethylene dibenzoate (94-49-5)

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations. Packaging contaminated by the product : Do not pierce or burn, even after use. Never use pressure to empty container.

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European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC)

: This material and its container must be disposed of as hazardous waste MS-N13.00030010 - Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities
MS-N13.00030020 - The following Waste Codes are only suggestions:
150110* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
1866	1866	1866	1866	1866
14.2. UN proper shipping name				
RESIN SOLUTION (Styrene)	RESIN SOLUTION (Styrene)	Resin solution (Styrene)	RESIN SOLUTION (Styrene)	RESIN SOLUTION (Styrene)
Transport document description				
UN 1866 RESIN SOLUTION (Styrene), 3, III, (D/E)	UN 1866 RESIN SOLUTION (Styrene), 3, III	UN 1866 Resin solution (Styrene), 3, III	UN 1866 RESIN SOLUTION (Styrene), 3, III	UN 1866 RESIN SOLUTION (Styrene), 3, III
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
Environmentally hazardous substances derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg). The environmentally hazardous substance mark is therefore not required, as stated in the ADR regulation, section 5.2.1.8.1.				
Not restricted for transport by rail, overland and sea according ADR/RID chapter 2.2.3.15 and IMDG 2.3.2.5				

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Transport regulations (ADR) : No good of class 3 according to ADR/RID chapter 2.2.3.1.5
Classification code (ADR) : F1
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001

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Special packing provisions (ADR) : PP1
 Mixed packing provisions (ADR) : MP19
 Portable tank and bulk container instructions (ADR) : T2
 Portable tank and bulk container special provisions (ADR) : TP1
 Tank code (ADR) : LGBF
 Vehicle for tank carriage : FL
 Transport category (ADR) : 3
 Special provisions for carriage - Packages (ADR) : V12
 Special provisions for carriage - Operation (ADR) : S2
 Hazard identification number (Kemler No.) : 30
 Orange plates :



Tunnel restriction code : D/E
 EAC code : •3Y

- Transport by sea

Transport regulations (IMDG) : If shipped by vessel in quantities LESS than 30L, IMDG 2.3.2.5 exception applies: Not regulated as a hazardous material.
 State on shipping documents: "Transport in accordance with 2.3.2.5 of the IMDG code."

Special provisions (IMDG) : 223, 955
 Limited quantities (IMDG) : 5 L
 Excepted quantities (IMDG) : E1
 Packing instructions (IMDG) : P001, LP01
 Special packing provisions (IMDG) : PP1
 IBC packing instructions (IMDG) : IBC03
 Tank instructions (IMDG) : T2
 Tank special provisions (IMDG) : TP1
 EmS-No. (Fire) : F-E
 EmS-No. (Spillage) : S-E
 Stowage category (IMDG) : A
 Properties and observations (IMDG) : Miscibility with water depends upon the composition.

- Air transport

PCA Excepted quantities (IATA) : E1
 PCA Limited quantities (IATA) : Y344

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PCA limited quantity max net quantity (IATA) : 10L

PCA packing instructions (IATA) : 355

PCA max net quantity (IATA) : 60L

CAO packing instructions (IATA) : 366

CAO max net quantity (IATA) : 220L

Special provisions (IATA) : A3

ERG code (IATA) : 3L

- Inland waterway transport

Transport regulations (ADN) : Not applicable (cf. 2.2.3.1.5)

Classification code (ADN) : F1

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 0

- Rail transport

Transport regulations (RID) : No good of class 3 according to ADR/RID chapter 2.2.3.1.5

Classification code (RID) : F1

Limited quantities (RID) : 5L

Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Special packing provisions (RID) : PP1

Mixed packing provisions (RID) : MP19

Portable tank and bulk container instructions (RID) : T2

Portable tank and bulk container special provisions (RID) : TP1

Tank codes for RID tanks (RID) : LGBF

Transport category (RID) : 3

Special provisions for carriage – Packages (RID) : W12

Colis express (express parcels) (RID) : CE4

Hazard identification number (RID) : 30

14.7. Maritime transport in bulk according to IMO instruments

Code: IBC : No data available.

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

This safety datasheet has been prepared :Not applicable.
according to Polish legislation.

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	Styrene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	Styrene ; 1,1'-(p-tolylimino)dipropen-2-ol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Styrene ; 1,1'-(p-tolylimino)dipropen-2-ol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Styrene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

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Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Detergent Regulation (648/2004/EC): Labelling of contents

15.1.2. National regulations

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France

Occupational diseases			
Code	Description		
RG 25	Diseases resulting from the inhalation of mineral dust containing crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc), graphite or coal.		
RG 66	Occupational rhinitis and asthma		
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide		
Installations classées			
No ICPE	Désignation de la rubrique	Code Régime	Rayon
4331.text	Liquides inflammables de catégorie 2 ou catégorie 3 à l'exclusion de la rubrique 4330. La quantité totale susceptible d'être présente dans les installations y compris dans les cavités souterraines étant :		
4331.1	1. Supérieure ou égale à 1000 t Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.	A	2
4331.2	2. Supérieure ou égale à 100 t mais inférieure à 1000 t Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.	E	
4331.3	3. Supérieure ou égale à 50 t mais inférieure à 100 t Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.	DC	
4511.text	Dangereux pour l'environnement aquatique de catégorie chronique 2.		
4511.1	La quantité totale susceptible d'être présente dans l'installation étant : 1. Supérieure ou égale à 200 t Quantité seuil bas au sens de l'article R. 511-10 : 200 t. Quantité seuil haut au sens de l'article R. 511-10 : 500 t.	A	1
4511.2	La quantité totale susceptible d'être présente dans l'installation étant : 2. Supérieure ou égale à 100 t mais inférieure à 200 t Quantité seuil bas au sens de l'article R. 511-10 : 200 t. Quantité seuil haut au sens de l'article R. 511-10 : 500 t.	DC	

Germany

Risk classification according to VbF : A II - Liquids with a flashpoint between 21°C and 55°C.

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Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

Chemicals Prohibition Ordinance (ChemVerbotsV) : This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the shipping route (according to § 10).

Major Accidents Ordinance (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

Netherlands

Waterbezwaarlijkheid : categorie Z(1) - niet-afbreekbare stoffen met gevaarlijke eigenschappen voor mens en milieu (carcinogeniteit/ mutageniteit/ reprotoxiciteit/ bioaccumulerend vermogen/ toxiciteit of persistentie)

SZW-lijst van kankerverwekkende stoffen : Quartz (respirable dust <1%), Styrene are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : Styrene is listed

Denmark

Class for fire hazard : Class II-1

Store unit : 5 liter

Classification remarks : R10 <H226;H302;H315;H317;H319;H361d;H372;H411>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with it.
If an employee is pregnant or breastfeeding and the person in question uses or is exposed to this product at work, the employer must always carry out a risk assessment of the work. The assessment must both deal with the dangerousness of the impact and its strength and duration. The employer's decision that a pregnant or lactating woman can perform a specific work task must therefore be made in the context of her specific working conditions. See also WEA-Guideline A.1.8-7 on the working environment of pregnant and breastfeeding workers.

15.2. Chemical safety assessment

Not applicable

For the following substances of this mixture a chemical safety assessment has been carried out

Styrene
Dibenzoyl peroxide
ethylene dibenzoate

SECTION 16: Other information

Indication of changes:

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3.2	Specific concentration limits (CLP)	Added	
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Abbreviations and acronyms:

	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	EC50 = Median Effective Concentration
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	Not applicable
	TLV = Threshold limits
	TWA = time weighted average
	STEL = Short term exposure limit
	persistent, bioaccumulating and toxic (PBT).
	vPvB = very persistent and very bioaccumulating
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
	ABM = Algemene beoordelingsmethodiek
	BTT = Breakthrough time (maximum wearing time)
	DMEL = Derived Minimal Effect level
	DNEL = Derived No Effect Level
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWC = European waste catalogue
	LL50 = Median lethal level
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	VOC = Volatile organic compounds

Sources of key data used to compile the datasheet : ECHA (European Chemicals Agency). LOLI. Additional information : Manufacturer/Supplier.

Training advice : Manipulations are to be done only by qualified and authorised persons. Training staff on good practice.

Other information : Classification - Assessment method: CLP Calculation method (Article 9).

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Full text of H- and EUH-statements:

Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) 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
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
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
Org. Perox. B	Organic Peroxides, Type B
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
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 SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H241	Heating may cause a fire or explosion.
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic 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.
H361d	Suspected of damaging the unborn child.

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H372	Causes 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.
H412	Harmful to aquatic life with long lasting effects.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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