

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

1.1. Product identifier

Product form : Mixture
Product name : Cem Lava A-component
UFI : 3EF0-T059-N003-TSFA

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

Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : A-component corresponding to B-component

1.3. Details of the supplier of the safety data sheet

Quartzline B.V.
W.A. Boogaerdtstraat 5
NL 3316 BN Dordrecht
Nederland
T +31 (0)78 6513100, F +31 (0)78 6177390
info@quartzline.nl, www.quartzline.nl

1.4. Emergency telephone number

Emergency number : +31 (0)78 6513100
This number is serviced during office hours.

Country/Area	Organisation	Emergency number
Austria	Vergiftungsinformationszentrale. Stubenring 6 1010 Vienna.	+43 1 406 43 43
Belgium	Centre Anti-Poisons/Antigifcentrum. c/o Hôpital Militaire Reine Astrid. Rue Bruyn 1 1120 Brussels.	+32 70 245 245 Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)
Bulgaria	Национален токсикологичен информационен център. Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов". бул. Ген. Едуард И. Тотлебен 21 1606 Sofia.	+359 2 9154 233 The phone is active 24/7 and calls to it are free
Croatia	Centar za kontrolu otrovanja. Institut za medicinska istraživanja i medicinu rada. Ksaverska Cesta 2. p.p. 291 10000 Zagreb.	+385 1 234 8342 Information available 24/7 in Croatian and English
Cyprus	Κέντρου Δηλητηριάσεων. Τμήμα Επιθεώρησης Εργασίας. P.O. Box 24855 Nicosia.	1401 Operating hours 24 hours / 24 hours, 7 days a week
Czech Republic	Toxikologické informační středisko. Klinika pracovního lékařství VFN a 1. LF UK. Na Bojišti 1 120 00 Prague.	+420 224 919 293 +420 224 915 402 and only in the event of a malfunction, phone 725 103 658 (otherwise there may not be a toxicologist on this phone!) Questions about ACUTE INTOXICATION of people and animals are dealt with exclusively on TIS direct telephone lines 24 hours a day
Denmark	Giftlinjen. Bispebjerg Hospital. Bispebjerg Bakke 23E. Opgang 20 C 2400 Copenhagen.	+45 82 12 12 12
Estonia	Mürgistusteabekeskus. Terviseamet. Paldiski mnt 81 10614 Tallinn.	16662 +372 7943 794 Calling the hotline is anonymous and at the cost of a local call.
Finland	Myrkytystietokeskus. Stenbäckinkatu 9. PO BOX 100 00029 Helsinki.	+358 800 147 111 +358 9 471 977 Open 24 hours a day 0800 147 111 (free of charge) 09 471 977 (normal rate call)

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France	ORFILA.	+33 1 45 42 59 59 This number automatically directs calls to the nearest poison control center, based on the caller's location. These poison and toxicovigilance centers provide free medical assistance (excluding call costs), 24 hours a day, 7 days a week.
	Centre antipoison de Marseille. Hôpital Sainte Marguerite. 270 boulevard de Sainte Marguerite 13274 Marseille Cedex 09.	+33 4 91 75 25 25
	Centre antipoison de Paris. Hôpital Fernand Widal. 200 rue du Faubourg Saint-Denis 75475 Paris Cedex 10.	+33 1 40 05 48 48
Germany	Informationszentrale gegen Vergiftungen. Klinik und Poliklinik für Allgemeine Pädiatrie. Zentrum für Kinderheilkunde, Universitätsklinikum Bonn. Gebäude 30, ELKI (Eltern-Kind-Zentrum). Venusberg-Campus 1 53127 Bonn.	+49 (0) 228 19240
	Vergiftungs-Informations-Zentrale. Universitätsklinikum Freiburg. Zentrum für Kinder- und Jugendmedizin. Breisacher Str. 86b 79110 Freiburg.	+49 (0) 761 19240
	Giftinformationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZ-Nord). Universitätsmedizin Göttingen - Georg-August-Universität. Robert-Koch Straße 40 37075 Göttingen.	+49 (0) 551 19240
Greece	Poisons Information Centre. Children's Hospital P&A Kyriakou. 11762 Athens.	+30 21 07 79 37 77
Hungary	Nemzeti Népegészségügyi Központ. Egészségügyi Toxikológiai Tájékoztató Szolgálat. Albert Flórián út 2-6 1097 Budapest.	+36 80 20 11 99 +36 1 476 6464 Emergency number 1: (0-24 hours, free of charge - only from Hungary) Emergency number 2: (0-24 hours, can be called for a normal fee - also from abroad)
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)
Italy	Centro Antiveleni di Bergamo. Azienda Ospedaliera Papa Giovanni XXIII. Piazza OMS - Organizzazione Mondiale della Sanità, 1 24127 Bergamo.	800 88 33 00
	Centro Antiveleni di Milano. Ospedale Niguarda Ca' Granda. Piazza Ospedale Maggiore 3 20162 Milan.	02 6610 1029
	Centro Antiveleni di Roma. CAV Policlinico "A. Gemelli". Dipartimento di Tossicologia Clinica Universita Cattolica del Sacro Cuore. Largo Agostino Gemelli, 8 00168 Rome.	06 305 4343
	Centro Antiveleni di Firenze. Az. Osp. "Careggi" U.O. Tossicologia Medica. S.O.D. di Tossicologia Clinica Clinica Clinica. Largo Brambilla, 3 50134 Florence.	055 794 7819
	Centro Antiveleni di Pavia. CAV Centro Nazionale di Informazione Tossicologica. Istituti Clinici Scientifici Maugeri Spa. Via Salvatore Maugeri, 10 27100 Pavia.	03 822 4444
	Centro Antiveleni di Foggia. Az. Osp. Univ. Foggia. V.le Luigi Pinto, 1 71122 Foggia.	800 183 459
	Centro Antiveleni di Napoli. Az. Osp. "A. Cardarelli". Via A. Cardarelli, 9 80131 Naples.	081 54 53 333

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Country/Area	Organisation	Emergency number
	Centro Antiveleni di Verona. Azienda Ospedaliera Integrata Verona. Piazzale Aristide Stefani, 1 37126 Verona.	800 011 858
Latvia	SIA "Rīgas Austrumu klīniskā universitātes slimnīca". Saindēšanās un zāļu informācijas centrs. Hipokrāta 2 1038 Rīga.	112 +371 67 04 24 73 works 24 hours a day
Lithuania	Apsinuodijimų informacijos biuras. Šiltnamių g. 29 04130 Vilnius.	+370 (5) 236 20 52
Luxembourg	Centre Anti-Poisons/Antigifocentrum. c/o Hôpital Militaire Reine Astrid. Rue Bruyn 1 1120 Brussels.	+352 8002 5500 Free telephone number with a 24/7 access. Experts answer all urgency questions on dangerous products in French, Dutch and English
Malta	Medicines & Poisons Info Office. Mater Dei Hospital. Msida MSD 2090 Msida.	112 +356 2545 6508
Netherlands	Nationaal Vergiftigingen Informatie Centrum (NVIC). Huispostnummer Q03.2.315. Postbus 85500 3508 GA Utrecht.	+31 88 755 80 00 Only for the purpose of informing medical personnel in cases of acute intoxications (24 hours a day, 7 days a week)
Poland	Instytut Medycyny Pracy imienia prof. dra med. Jerzego Nofera. ul. św. Teresy od Dzieciątka Jezus 8 91-348 Łódź.	+48 42 631 45 02 +48 42 655 25 05
Portugal	Centro de Informação Antivenenos. Instituto Nacional de Emergência Médica. Rua Almirante Barroso, 36 1000-013 Lisbon.	+351 800 250 250
Romania	Spitalul Clinic de Urgenta Bucuresti. Secția Clinică ATI II - Toxicologie Clinică. Calea Floreasca nr. 8. sector 1 Bucharest.	+40 21 599 23 00 (information provided in Romanian and English)
Slovakia	Národné toxikologické informačné centrum. Univerzitná nemocnica Bratislava, pracovisko Kramáre. Klinika pracovného lekárstva a toxikológie. Limbová 5 833 05 Bratislava.	+421 2 54 77 41 66 +421 911 166 066
Slovenia	Center za klinično toksikologijo in farmakologijo. Univerzitetni klinični. Center Ljubljana. Zaloška 7 1000 Ljubljana.	112
Spain	Servicio de Información Toxicológica. Instituto Nacional de Toxicología y Ciencias Forenses. Departamento de Madrid. C/José Echegaray nº4 28232 Las Rozas de Madrid.	+34 91 562 04 20 +34 91 411 26 76 (teléfono solo para médicos) (Toxicological emergencies only). Information in Spanish (24/7)
Sweden	Giftinformationscentralen. Solna Strandväg 21 171 54 Solna.	112 – begär Giftinformation

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 1 H318

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

Adverse physicochemical, human health and environmental effects

Causes serious eye damage.

2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

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Contains	: Decanoic acid, compounds with 1,3-benzenedimethanamine-bisphenol A-bisphenol A diglycidyl ether-diethylenetriamine glycidyl phenyl ether reaction product-epichlorohydrin-formaldehyde-propylene oxide-triethylenetetramine polymer
Hazard statements (CLP)	: H318 - Causes serious eye damage.
Precautionary statements (CLP)	: P280 - Wear eye protection, protective gloves. P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER.
EUH-statements	: EUH208 - Contains METHYLISOTHIAZOLINONE. May produce an allergic reaction.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH 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

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quartz substance with national workplace exposure limit(s) (BE, DK, FI, FR, HU, IE, HR, LT, NL, AT, PT, ES, CZ, SE); substance with a Community workplace exposure limit	CAS-No.: 14808-60-7 EC-No.: 238-878-4	30 – 40	Not classified
Barium sulfate substance with national workplace exposure limit(s) (BE, BG, IE, HR, PT, SK, ES)	CAS-No.: 7727-43-7 EC-No.: 231-784-4 REACH-no: 01-2119491274-35	20 – 40	Not classified
Decanoic acid, compounds with 1,3-benzenedimethanamine-bisphenol A-bisphenol A diglycidyl ether-diethylenetriamine glycidyl phenyl ether reaction product-epichlorohydrin-formaldehyde-propylene oxide-triethylenetetramine polymer	CAS-No.: 260549-92-6	5 – 10	Eye Dam. 1, H318
Titanium dioxide substance with national workplace exposure limit(s) (BE, BG, DK, EE, FR, GR, IE, HR, LV, LT, AT, PL, PT, RO, SK, ES, SE) (Note V)(Note W)(Note 10)	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2	0.25 – 1	Carc. 2, H351
2-methylisothiazol-3(2H)-one substance with national workplace exposure limit(s) (AT)	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 REACH-no: 01-2120764690-50	< 0.001	Acute Tox. 2 (Inhalation), H330 (ATE=0.11 mg/l/4h) Acute Tox. 3 (Dermal), H311 (ATE=242 mg/kg bodyweight) Acute Tox. 3 (Oral), H301 (ATE=120 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH071

Specific concentration limits:

Name	Product identifier	Specific concentration limits (Conc. (% w/w))
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 REACH-no: 01-2120764690-50	(0.0015 $\leq$ C $\leq$ 100) Skin Sens. 1A; H317

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$.

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Note W: It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

Note V: If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.

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

Components - Nanoform

Titanium dioxide (13463-67-7)	
Name of (set of) nanoform(s)	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

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	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting without medical advice. Loosen tight clothing such as a collar, tie, belt or waistband. If inhaled, call a doctor.

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

Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.

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	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Presents no particular fire or explosion hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so. Absorb spillage to prevent material damage.
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For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.

For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
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Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.
Heat and ignition sources : Keep away from heat and direct sunlight.
Packaging materials : Always store product in container of same material as original container.

Germany

Storage class (LGK, TRGS 510) : LGK 12 - Non-combustible liquids

Joint storage table

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for : LGK 1, LGK 6.2, LGK 7
Joint storage with restrictions permitted for : LGK 4.1A, LGK 4.3, LGK 5.1C
Joint storage permitted for : LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Quartz (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): Siliciumdioxid
MAK (OEL TWA)	0.15 mg/m ³
Remark	Krebserzeugend: III
OEL chemical category	Group C Carcinogen alveolar dust
Regulatory reference	BGBI. II Nr. 339/2025
Austria - Biological limit values	
Local name	Quarzhaltigen Staub

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Quartz (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 2024 (VGÜ)
Belgium - Occupational Exposure Limits	
Local name	Silices cristallines: quartz (poussières alvéolaires) # Siliciumdioxide (kristallijn): kwarts (inadembaar stof)
OEL TWA	0.05 mg/m ³
Remark	(poussières alvéolaires)
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
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)
Denmark - Occupational Exposure Limits	
Local name	Kvarts
8-timers grænseværdi (OEL TWA)	0.3 mg/m ³ (inhalable aerosol) 0.1 mg/m ³ (K, respirable aerosol)
Korttidsgrænseværdi (OEL STEL)	0.6 mg/m ³ (inhalable aerosol) 0.2 mg/m ³ (K, respirable aerosol)
Remark	Kvarts, respirabel: K (betyder, at stoffet anses for at kunne være kræftfremkaldende og omfattet af bekendtgørelse om foranstaltninger til forebyggelse af risikoen ved arbejde med kræftfremkaldende, mutagene eller reproduktionstoksiske stoffer og materialer)
Regulatory reference	BEK nr 1356 af 19/11/2025
Finland - Occupational Exposure Limits	
Local name	Kvartsi
HTP (OEL TWA)	0.05 mg/m ³
Regulatory reference	HTP-ARVOT 2025 (Sosiaali- ja terveysministeriö)
France - Occupational Exposure Limits	
Local name	Quartz (Silice cristalline)
VLEP 8h (OEL TWA)	0.1 mg/m ³ (fraction alvéolaire)
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

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Quartz (14808-60-7)	
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; Décret n° 2024-307)
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	0.15 mg/m³
Ireland - Occupational Exposure Limits	
Local name	Quartz, respirable dust
OEL TWA	0.1 mg/m³
OEL STEL	0.3 mg/m³
Remark	BOELV (Binding Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
Lithuania - Occupational Exposure Limits	
Local name	Įkvepiamojo kristalinio silicio dioksido dulkės (išskyrus kristobalitą ir tridimitą)
IPRV (OEL TWA)	0.1 mg/m³ (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
Grenswaarde TGG 8H (mg/m³)	0.075 mg/m³
Remark	(Voor respirabel stof) (kankerverwekkende stoff)
Regulatory reference	Arbeidsomstandighedenregeling 2026
Portugal - Occupational Exposure Limits	
Local name	Silica, cristalina α-Quartzo
OEL TWA	0.025 mg/m³ R (Fração respirável)
OEL chemical category	A2 - Suspected Human Carcinogen
Remark	A2 (Agente carcinogénico confirmado nos animais de laboratório con relevância desconhecida no Homem)
Regulatory reference	Norma Portuguesa NP 1796:2014
Spain - Occupational Exposure Limits	
Local name	Sílice Cristalina: Cuarzo
VLA-ED (OEL TWA)	0.1 mg/m³
Remark	(respirable aerosol)
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2025. INSHT
Sweden - Occupational Exposure Limits	
Local name	Kvarts
NGV (OEL TWA)	0.1 mg/m³
Remark	C (Ämnet är cancerframkallande); M (Medicinska kontroller kan krävas för hantering av ämnet); 24 (Ämnet har ett bindande EU-gränsvärde); 25 (Med inhalerbar och respirabel fraktion menas de dammfraktioner som definieras i svensk standard SS-EN 481, Arbetsplatsluft – Partikelstorleksfraktioner för mätning av luftburna partiklar (utgåva 1, 1993). Med totaldamm menas de partiklar (aerosoler) som fastnar på ett filter i en totaldammprovtagare)
OEL chemical category	Carcinogen
Regulatory reference	Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön

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Titanium dioxide (13463-67-7)	
Austria - Occupational Exposure Limits	
Local name	Titandioxid (Alveolarstaub)
MAK (OEL TWA)	5 mg/m ³ (A)
MAK (OEL STEL)	10 mg/m ³ (A, 2x 60(Miw) min)
Remark	Krebserzeugend: 2 (für Titanoxidpulver, das ≥ 1% Partikel mit einem aerodynamischen Durchmesser ≤ 10µm enthält)
Regulatory reference	BGBI. II Nr. 339/2025
Belgium - Occupational Exposure Limits	
Local name	Titane (dioxyde de) # Titaandioxide
OEL TWA	10 mg/m ³
Remark	(dioxyde de)
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Bulgaria - Occupational Exposure Limits	
Local name	Титанов диоксид
OEL TWA	10 mg/m ³ (респирабилен прах)
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 28 от 2024 г., в сила от 05.04.2024 г.)
Croatia - Occupational Exposure Limits	
Local name	Titanov dioksid
GVI (OEL TWA)	10 mg/m ³ U (ukupna prašina) 4 mg/m ³ R (respirabilna prašina)
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 148/2023)
Denmark - Occupational Exposure Limits	
Local name	Titandioxid
8-timers grænseværdi (OEL TWA)	6 mg/m ³ beregnet som Ti
Korttidsgrænseværdi (OEL STEL)	12 mg/m ³
Regulatory reference	BEK nr 1356 af 19/11/2025
Estonia - Occupational Exposure Limits	
Local name	Titaanoksiid
OEL TWA	5 mg/m ³
Regulatory reference	Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 02.04.2024, 13)
France - Occupational Exposure Limits	
Local name	Titane (dioxyde de), en Ti (Dioxyde de titane)
VLEP 8h (OEL TWA)	10 mg/m ³
Remark	Valeurs recommandées/admises. Cancérogène de catégorie 2
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 6443, 2022; Outil65)
Greece - Occupational Exposure Limits	
Local name	Τιτανίου διοξειδίο
OEL TWA	10 mg/m ³ εισπν. 5 mg/m ³ σναπν.
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Ireland - Occupational Exposure Limits	
Local name	Titanium dioxide

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Titanium dioxide (13463-67-7)	
OEL TWA	10 mg/m³ total inhalable dust 4 mg/m³ respirable dust
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
Latvia - Occupational Exposure Limits	
Local name	Titāna dioksīds
OEL TWA	10 mg/m³
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2024. gada 26. martā noteikumiem Nr. 191).
Lithuania - Occupational Exposure Limits	
Local name	Titano dioksidas
IPRV (OEL TWA)	5 mg/m³
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Poland - Occupational Exposure Limits	
Local name	Ditlenek tytanu
NDS (OEL TWA)	10 mg/m³ frakcja wdychalna
Remark	Frakcja wdychalna – frakcja aerozolu wnikaąca przez nos i usta, która stwarza zagrożenie dla zdrowia po zdeponowaniu w drogach oddechowych. Równolegle oznacza się frakcję respirabilną krystalicznej krzemionki.
Regulatory reference	Dz. U. 2024 poz. 1017 wraz z późn. zm.
Portugal - Occupational Exposure Limits	
Local name	Dióxido de titânio
OEL TWA	10 mg/m³
Remark	A4 (Agente não classificável como carcinogénico no Homem)
Regulatory reference	Norma Portuguesa NP 1796:2014
Romania - Occupational Exposure Limits	
Local name	Dioxid de titan
OEL TWA	10 mg/m³
OEL STEL	15 mg/m³
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 179/2024)
Slovakia - Occupational Exposure Limits	
Local name	Oxid titaničitý
NPHV (OEL TWA)	5 mg/m³
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (122/2024 Z. z.)
Spain - Occupational Exposure Limits	
Local name	Dióxido de titanio
VLA-ED (OEL TWA)	10 mg/m³
Remark	inhalable aerosol
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2025. INSHT
Sweden - Occupational Exposure Limits	
Local name	Titandioxid
NGV (OEL TWA)	5 mg/m³ (totaldamm)
Remark	25 (Med inhalerbar och respirabel fraktion menas de dammfractioner som definieras i svensk standard SS-EN 481, Arbetsplatsluft – Partikelstorleksfraktioner för mätning av luftburna partiklar (utgåva 1, 1993). Med totaldamm menas de partiklar (aerosoler) som fastnar på ett filter i en totaldammprovtagare)

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Titanium dioxide (13463-67-7)	
Regulatory reference	Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön
2-methylisothiazol-3(2H)-one (2682-20-4)	
Austria - Occupational Exposure Limits	
Local name	2-Methyl-2,3-di-hydroisothiazol-3-on
MAK (OEL TWA)	0.05 mg/m³
Remark	Sh
Regulatory reference	BGBI. II Nr. 339/2025
Barium sulfate (7727-43-7)	
Belgium - Occupational Exposure Limits	
Local name	Baryum (sulfate de) # Bariumsulfaat
OEL TWA	5 mg/m³ (sans fibres d'amiante et < 1 % silices cristallines) # (zonder asbestvezels en < 1 % kristallijn siliciumdioxide)
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Bulgaria - Occupational Exposure Limits	
Local name	Бариев сулфат
OEL TWA	10 mg/m³
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 28 от 2024 г., в сила от 05.04.2024 г.)
Croatia - Occupational Exposure Limits	
Local name	Barijev sulfat
GVI (OEL TWA)	10 mg/m³ U (ukupna prašina) 4 mg/m³ R (respirabilna prašina)
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 148/2023)
Ireland - Occupational Exposure Limits	
Local name	Barium sulphate, respirable dust
OEL TWA	5 mg/m³
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
Portugal - Occupational Exposure Limits	
Local name	Sulfato de bário
OEL TWA	5 mg/m³ I (Fração inalável), E (O valor aplica-se a partículas sem amianto e contendo menos de 1 % de sílica cristalina)
Regulatory reference	Norma Portuguesa NP 1796:2014
Slovakia - Occupational Exposure Limits	
Local name	Síran (sulfát) báratý
NPHV (OEL TWA)	4 mg/m³ inhalovateľná frakcia 1.5 mg/m³ respirabilná frakcia
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (122/2024 Z. z.)
Spain - Occupational Exposure Limits	
Local name	Sulfato de bario
VLA-ED (OEL TWA)	10 mg/m³
Remark	e (Este valor es para la materia particulada que no contenga amianto ni sílice cristalina).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2025. INSHT

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8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses. DIN EN 166

Skin protection

Skin and body protection:

Wear suitable protective clothing. ISO 13688

Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent)

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Butyl rubber, Nitrile rubber (NBR)	6 (> 480 minutes)	≥ 0,4		EN ISO 374

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. CEN : EN 140; EN 143; EN 149

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: According to product specification.
Odour	: Odourless.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available

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Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

See section 3 for more information about nano properties.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Decanoic acid, compounds with 1,3-benzenedimethanamine-bisphenol A-bisphenol A diglycidyl ether-diethylenetriamine glycidyl phenyl ether reaction product-epichlorohydrin-formaldehyde-propylene oxide-triethylenetetramine polymer (260549-92-6)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

2-methylisothiazol-3(2H)-one (2682-20-4)

LD50 oral rat	120 mg/kg
LD50 dermal rat	242 mg/kg
LC50 Inhalation - Rat	0.11 mg/l

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
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Decanoic acid, compounds with 1,3-benzenedimethanamine-bisphenol A-bisphenol A diglycidyl ether-diethylenetriamine glycidyl phenyl ether reaction product-epichlorohydrin-formaldehyde-propylene oxide-triethylenetetramine polymer (260549-92-6)

pH	9.2
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Serious eye damage/irritation	: Causes serious eye damage.
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Decanoic acid, compounds with 1,3-benzenedimethanamine-bisphenol A-bisphenol A diglycidyl ether-diethylenetriamine glycidyl phenyl ether reaction product-epichlorohydrin-formaldehyde-propylene oxide-triethylenetetramine polymer (260549-92-6)

pH	9.2
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Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
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)

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Quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans

Titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

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 %
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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met)

2-methylisothiazol-3(2H)-one (2682-20-4)	
LC50 - Fish [1]	4.77 mg/l (OECD 203; Oncorhynchus mykiss)
EC50 - Crustacea [1]	0.934 mg/l (OECD 202; Daphnia magna)
NOEC chronic fish	2.1 mg/l (OECD 210; Pimephales promelas)
NOEC chronic crustacea	0.044 mg/l (OECD 211; Daphnia magna)
NOEC chronic algae	0.05 mg/l (OECD 201; Pseudokirchneriella subcapitata)

12.2. Persistence and degradability

Cem Lava A-component	
Persistence and degradability	Biodegradability in water: no data available.

Decanoic acid, compounds with 1,3-benzenedimethanamine-bisphenol A-bisphenol A diglycidyl ether-diethylenetriamine glycidyl phenyl ether reaction product-epichlorohydrin-formaldehyde-propylene oxide-triethylenetetramine polymer (260549-92-6)

Persistence and degradability	Biodegradability in water: no data available.
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Quartz (14808-60-7)	
Persistence and degradability	Biodegradability in water: no data available.

Titanium dioxide (13463-67-7)	
Persistence and degradability	Biodegradation: The methods for determining biodegradability are not applicable to inorganic substances.

2-methylisothiazol-3(2H)-one (2682-20-4)	
Persistence and degradability	Not readily biodegradable.

Barium sulfate (7727-43-7)	
Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

2-methylisothiazol-3(2H)-one (2682-20-4)	
Partition coefficient n-octanol/water (Log Pow)	-0.32 (20 °C; pH 7)

12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

No additional information available

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

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
Not regulated for transport			
14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	Cem Lava A-component ; Decanoic acid, compounds with 1,3- benzenedimethanamine- bisphenol A-bisphenol A diglycidyl ether- diethylenetriamine glycidyl phenyl ether reaction product-epichlorohydrin- formaldehyde-propylene oxide-triethylenetetramine polymer	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

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)

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)

National regulations

Denmark

Danish National Regulations

: Young people below the age of 18 years are not allowed to use the product
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.
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

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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.

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

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

Netherlands

ABM category : Z(2) - biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/reprotoxicity/bioacumulative potential or toxicity)

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

Poland

Polish National Regulations : Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).
Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).
The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).
Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).
Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).
Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).
The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488).
Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).
Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).
ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891).
Regulation of the Minister of Health of 25 August 2015 on the method of marking places, pipelines, and containers and tanks used for storing or containing hazardous substances or hazardous mixtures (J.o.L. 2015, item 1368 as amended)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
11	Adverse health effects caused by endocrine disrupting properties	Added

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Indication of changes		
Section	Changed item	Comments
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added

Abbreviations and acronyms:	
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
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstracts Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Data sources

: ECHA (European Chemicals Agency). Supplier's safety documents.

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Other information

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This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number).

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Sens. 1A	Skin sensitisation, category 1A
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains METHYLISOTHIAZOLINONE. May produce an allergic reaction.

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

Eye Dam. 1	H318	Calculation method
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