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]

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1. Product identifier

Product form	:	Mixtures
Trade name/designation	:	**Insulmould® 1260**

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

1.2.1. Relevant identified uses

Main use category	:	Professional use
Use of the substance/mixture	:	Coating Sealants

1.2.2. Uses advised against

No additional information available

Identification of the suppliers

INSULCON B.V.
Zilverhoek 4, 4651 SP STEENBERGEN
The Netherlands
Tel. : +31 (0)167-565750
Website: www.insulcon.com
Email: info@insulcon.com

INSULCON N.V.
Tel. : + 32 (0)3 711.02.78
Belgium

INSULCON GMBH
Tel.: + 49 (0)2131 408548-0
Germany

2. HAZARDS IDENTIFICATION

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

Carcinogenicity (inhalation) Category 1B H350i
Full text of H- and EUH-statements: see section 16

2.2. Label elements

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

Hazard pictograms (CLP)

GHS08

Signal word	:	Danger
Hazardous ingredients	:	Alumino silicate fibres
Hazard statements (CLP)	:	H350i - May cause cancer by inhalation.
Precautionary statements (CLP)	:	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear eye protection, protective gloves, Respiratory protection. P308+P313 - IF exposed or concerned: Get medical advice, medical attention. P405 - Store locked up.

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SAFETY DATASHEET

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P501 - Dispose of contents and container to an approved waste disposal plant.

Extra phrases : Restricted to professional users

2.3. Other hazards

Other hazards

Results of PBT and vPvB assessment:
Not applicable. Risk of dust explosion.

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 %

3. COMPOSITION / INFORMATION OF INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Full text of H-statements: see section 16

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alumino silicate fibres substance listed as REACH Candidate (Refractory Ceramic Fibres)	(CAS No) 142 844-00-6 (EC no) 266-046-0 (EC Index) 650-017-00-8	45 - 50	Carc. 1B, H350i
ethanediol; ethylene glycol substance with a Community workplace exposure limit	(CAS No) 107-21-1 (EC no) 203-473-3 (EC Index) 603-027-00-1 (REACH-no) 01-2119456816-28-xxxx	< 1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) STOT RE 2, H373

4. FIRST AID MEASURES

4.1. Description of first aid measures

Additional advice:
First aider: Pay attention to self-protection!. 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. Get medical advice/attention.

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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. In case of doubt or persistent symptoms, consult always a physician.

Ingestion:
Drink plenty of water. Rinse mouth thoroughly with water. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed
Inhalation:
May cause cancer by inhalation. Inhalation of dust may cause irritation of the respiratory system.

Skin contact:
May cause skin irritation. Contact with dust may cause mechanical irritation or drying of the skin.

Eyes contact:
Dust may cause painful eye irritation and tearing.

Ingestion:
Ingestion unlikely. Gastrointestinal complaints.

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

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media:
Carbon dioxide (CO2), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media:
Strong water jet.

5.2. Special hazards arising from the substance or mixture
Specific hazards:
Not flammable. Risk of dust explosion. Temperature of crystallazation : 800- 900°C.

Hazardous decomposition products in case of fire:
Carbon oxides (CO, CO2). Silicon oxides.

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. Avoid dust formation. Knock down/dilute dust cloud with water spray.

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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.

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 dust. 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.

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 solid spill. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation. Avoid dust formation. Knock down/dilute dust cloud with water spray.

6.4. Reference to other sections

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

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 dust. 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. Obtain special

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instructions before use. Do not handle until all safety precautions have been read and understood. Avoid dust formation. 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.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions:
Store locked up. Store in a dry, cool and well-ventilated place. Protect from moisture. Avoid dust formation.

Incompatible materials:
No information available.

Maximum storage duration:
6 months

Storage temperature:
5 – 20 °C

Heat and ignition sources:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Packaging materials:
Keep only in the original container.

Switzerland
Storage class (LK) : LK 6.1 - Toxic materials

7.3. Specific end use(s)
Reference to other sections : 1.2.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

alumino silicate fibres (142844-00-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	0,3 fibers/mL (carcinogens within the meaning of point (i) of Article 2(a)
Belgium - Occupational Exposure Limits	
OEL TWA	0,5 fibers/cm³
OEL chemical category	Carcinogen
Bulgaria - Occupational Exposure Limits	
OEL TWA	0,3 fibers/m³ (applies to carcinogenic compounds within the meaning of paragraph(1a) of Article 1 of the additional provisions of the Regulation)
Croatia - Occupational Exposure Limits	
GVI (OEL TWA)	0,3 fibers/cm³ (applies to fireproof ceramic fibers classified as carcinogenic substances)
France - Occupational Exposure Limits	
VME (OEL TWA)	0,1 fibers/cm³ (restrictive limit: classified as carcinogenic)
OEL chemical category	Carcinogen category 1B
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	0,3 fibers/cm³ (artificial mineral fibers)
Ireland - Occupational Exposure Limits	
OEL TWA	0,3 fibers/mL
OEL STEL	0,9 fibers/mL (calculated)
OEL chemical category	Carc1B
Italy - Occupational Exposure Limits	
OEL TWA	0,3 fibers/mL (carcinogens with the meaning of point (i) Article 2(a)
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	0,3 fibers/cm³
OEL chemical category	Carcinogen
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	0,3 fibers/cm³ (applies to refractory ceramic fibers of Carcinogen category. 1.B within the meaning of the Regulation (EC) No

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	1272/2008 and whose geometric fiber diameter weighted by the length of the less two standard geometric errors is less than 6 µm)
Portugal - Occupational Exposure Limits	
OEL TWA	0,3 fibers/mL (respirable fibers, length >5 µm, aspect ratio equal to or greater than 3:1)
OEL chemical category	A2 - Suspected Human Carcinogen
Slovenia - Occupational Exposure Limits	
OEL TWA	0,3 fibers/m³
OEL chemical category	Category 1B
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	0,3 fibers/cm³ (length of fibers more than 5 µm, diameter less than 3 µm, length of diameter ratio equal or above 3 determined by optical phase contrast microscopy-inhalable fraction (Refractory ceramic fibres and special purpose fibres) 0,3 fibers/mL (length of fibers more than 5 µm, diameter less than 3 µm, length of diameter ratio equal or above 3 determined by optical phase contrast microscopy-inhalable fraction (Refractory ceramic fibres and special purpose fibres)
VLA-EC (OEL STEL)	0,3 fibers/cm³ (fibers with a random orientation, with a content in alkaline and alkali-earth oxide [Na2O+K2O+CaO+MgO+BaO] above 18% in weight-inhalable fraction)
OEL chemical category	C1B
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	0,2 fibers/cm³ (fibres which have a length-width relationship greater than 3:1-respirable fiber (Fibres, synthetic inorganic glass fibres)
OEL chemical category	Carcinogen
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	0,3 fibers/mL (respirable fraction) 5 mg/m³ (total inhalable dust)
WEL STEL (OEL STEL)	0,9 fibers/mL (calculated) 15 mg/m³ (calculated)
WEL chemical category	Capable of causing cancer and/or heritable genetic damage total inhalable dust
Switzerland - Occupational Exposure Limits	
OEL chemical category	Category C1B carcinogen note WHO fibers definition

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USA - ACGIH - Occupational Exposure Limits	
ACGIH® TLV® TWA	0,2 fibers/cm³ (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4- mm objective], using phase-contrast illumination (Synthetic vitreous fibers)
ACGIH chemical category	Suspected Human Carcinogen

ethanediol; ethylene glycol (107-21-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Ethylene glycol
IOEL TWA	52 mg/m³
	20 ppm
IOEL STEL	104 mg/m³
	40 ppm
Remark	Possibility of significant uptake through the skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Albania - Occupational Exposure Limits	
Local name	Etilenglikol
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
Remark	Lëkurë (tregon mundësinë e një marrjeje të rëndësishme nëpërmjet lëkurës)
Regulatory reference	VENDIM Nr. 522, datë 6.8.2014 PËR MIRATIMIN E RREGULLORES "PËR MBROJTJEN E SIGURISË DHE SHËNDETIT TË PUNËMARRËSVE NGA RISQET E LIDHURA ME AGJENTËT KIMIKË NË PUNË"
Austria - Occupational Exposure Limits	
Local name	Ethylenglykol (Ethandiol; Glykol)
MAK (OEL TWA)	26 mg/m³
	10 ppm
MAK (OEL STEL)	52 mg/m³
	20 ppm
Remark	H
OEL chemical category	Skin notation
Regulatory reference	BGBl. II Nr. 156/2021

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Belgium - Occupational Exposure Limits	
Local name	Ethylèneglycol (en aérosol) # Ethyleenglycol
OEL TWA	52 mg/m³ (aerosol)
	20 ppm (aerosol)
OEL STEL	104 mg/m³ (aerosol)
	40 ppm (aerosol)
Remark	D: la mention “D” signifie que la résorption de l’agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l’exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l’agent dans l’air, M: la mention “M” indique que lors d’une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d’intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l’exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d’échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d’échantillonnage. # D: de vermelding “D” betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht, M: de vermelding “M” duidt aan dat bij de blootstelling boven de grenswaarde irritatie optreedt of er gevaar bestaat voor acute vergiftiging. Het werkprocédé moet zo zijn ontworpen dat de blootstelling de grenswaarde nooit overschrijdt. Bij een controle geldt dat de bemonsterde periode zo kort mogelijk moet zijn om een betrouwbare meting te kunnen verrichten. Het meetresultaat wordt dan gerelateerd aan de beschouwde periode.
OEL chemical category	Skin, Skin notation
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Bulgaria - Occupational Exposure Limits	
Local name	Етиленгликол
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
Remark	Кожа (възможна е значителна резорбция чрез кожата); • (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)

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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. 47 от 2021 г., в сила от 04.06.2021 г.)
Croatia - Occupational Exposure Limits	
Local name	Etandiol; etilen-glikol
GVI (OEL TWA)	52 mg/m³
	20 ppm
KGVI (OEL STEL)	104 mg/m³
	40 ppm
Remark	Direktiva: 2000/39/EZ. Napomena: Koža (razvrstana kao tvar koja nadražuje kožu (H315))
OEL chemical category	Skin notation
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 148/2023)
Cyprus - Occupational Exposure Limits	
Local name	Αιθυλενογλυκόλη
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
OEL chemical category	Skin-potential for cutaneous absorption
Remark	δέρμα
Regulatory reference	Κανονισμοί του 2007 (Κ.Δ.Π. 295/2007)
Czech Republic - Occupational Exposure Limits	
Local name	Ethylenglykol (Ethan-1,2-diol)
PEL (OEL TWA)	50 mg/m³
	19,38 ppm
NPK-P (OEL C)	100 mg/m³
	38,77 ppm
Remark	D - při expozici se významně uplatňuje pronikání faktoru kůží.
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 330/2023 Sb.)
Denmark - Occupational Exposure Limits	
Local name	Ethylenglycol (1,2-Ethandiol; Glycol)
OEL TWA	26 mg/m³ 10 mg/m³ (atomized)

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	10 ppm
OEL STEL	104 mg/m³ 20 mg/m³ (atomized)
	40 ppm
Remark	E (betyder, at stoffet har en EF-grænseværdi); H (betyder, at stoffet kan optages gennem huden)
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	BEK nr 291 af 19/03/2024
Estonia - Occupational Exposure Limits	
Local name	1,2-etaandiool (etüleenglükool)
OEL TWA	52 mg/m³ (total concentration of aerosol and vapor)
	20 ppm (total concentration of aerosol and vapor)
OEL STEL	104 mg/m³ (total concentration of aerosol and vapor)
	40 ppm (total concentration of aerosol and vapor)
Remark	A (Naha kaudu kergesti imenduv aine), 18 (Piirnorm kehtib auru ja aerosooli summaarse sisalduse kohta)
OEL chemical category	Skin notation
Regulatory reference	Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 21.12.2022, 3)
Finland - Occupational Exposure Limits	
Local name	1,2-Etaanidioli
HTP (OEL TWA)	50 mg/m³
	20 ppm
HTP (OEL STEL)	100 mg/m³
	40 ppm
Remark	Iho
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)
France - Occupational Exposure Limits	
Local name	Ethylèneglycol (vapeur)
VME (OEL TWA)	52 mg/m³ (indicative limit-vapor)
	20 ppm (indicative limit-vapor)
VLE (OEL C/STEL)	104 mg/m³ (indicative limit-vapor)
	40 ppm (indicative limit-vapor)
Remark	Valeurs règlementaires indicatives. Risque de pénétration percutanée
OEL chemical category	Risk of cutaneous absorption
Regulatory reference	Arrêté du 30 juin 2004 modifié (réf.: INRS ED 6443, 2022;

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	Outil65)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Ethandiol
Occupational exposure limit value (mg/m³) (TRGS900)	26 mg/m³ (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)	10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Peak exposure limitation factor	2(I)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); EU - Europäische Union (Von der EU wurde ein Luftgrenzwert festgelegt: Abweichungen bei Wert und Spitzenbegrenzung sind möglich); H - hautresorptiv; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; 11 - Summe aus Dampf und Aerosolen
Chemical category	Skin notation
Regulatory reference	TRGS900
Gibraltar - Occupational Exposure Limits	
Local name	Ethylene glycol
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
Remark	Skin
OEL chemical category	Skin notation
Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)
Greece - Occupational Exposure Limits	
Local name	Αιθυλενογλυκόλη (στμοί)
OEL TWA	125 mg/m³ (vapor)
	50 ppm (vapor)
OEL STEL	125 mg/m³ (vapor)
	50 ppm (vapor)
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Hungary - Occupational Exposure Limits	
Local name	ETILÉNGLIKOL

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AK (OEL TWA)	52 mg/m³
CK (OEL STEL)	104 mg/m³
Remark	b (Bőrön át is felszívódik), i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármat); EU1 (2000/39/EK irányelvben közölt érték); N (Irritáló anyagok, egyszerű fojtógázok, csekély egészségkárosító hatással bíró anyagok)
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
Ireland - Occupational Exposure Limits	
Local name	Ethane-1,2-diol [Ethylene glycol]
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
Remark	IOELV (Indicative Occupational Exposure Limit Values), Skin (Substances which have the capacity to penetrate intact skin when they come in contact with it and be absorbed into the body. A substantial contribution to the total body burden via dermal exposure is possible)
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	Chemical Agents Code of Practice 2024
Italy - Occupational Exposure Limits	
Local name	Etilen glicol
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
Remark	Cute
OEL chemical category	skin - potential for cutaneous absorption
Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
Latvia - Occupational Exposure Limits	
Local name	Etilēnglikols, (1,2-etāndiols)
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
Remark	Āda

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OEL chemical category	skin - potential for cutaneous exposure
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325
Lithuania - Occupational Exposure Limits	
Local name	Etilenglikolis (1,2-etandiolis, glikolis)
IPRV (OEL TWA)	25 mg/m³ (aerosol and vapor)
	10 ppm (aerosol and vapor)
TPRV (OEL STEL)	50 mg/m³ (aerosol and vapor)
	20 ppm (aerosol and vapor)
Remark	O (medžiaga į organizmą gali prasiskverbti pro nepažeistą odą); Šis RD taikomas bendrai garų ir aerozolio koncentracijai.
OEL chemical category	Skin notation
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Luxembourg - Occupational Exposure Limits	
Local name	Éthylène-glycol
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
OEL chemical category	Possibility of significant uptake through the skin
Remark	Peau
Regulatory reference	Mémorial A Nº 226 de 2021 concernant la protection de la sécurité et de la santé des salariés contre les risques liés à des agents chimiques sur le lieu de travail
Malta - Occupational Exposure Limits	
Local name	Ethylene glycol
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
Remark	Skin # Ġilda
OEL chemical category	Possibility of significant uptake through the skin
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.356 of 2021)
Netherlands - Occupational Exposure Limits	
Local name	Ethaan-1,2-diol
TGG-8u (OEL TWA)	52 mg/m³ (vapour) 10 mg/m³ (droplets)

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	20 ppm (damp)
TGG-15min (OEL STEL)	104 mg/m³ (vapour)
	40 ppm (vapour)
Remark	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
MAC chemical category	Skin notation vapour
Regulatory reference	Arbeidsomstandighedenregeling 2024
Poland - Occupational Exposure Limits	
Local name	Glikol etylenowy
NDS (OEL TWA)	15 mg/m³
NDSCh (OEL STEL)	50 mg/m³
Remark	Skóra (Oznakowanie substancji notacją „skóra” oznacza, że wchłanianie substancji przez skórę może być tak samo istotne jak przy narażeniu drogą oddechową).
Regulatory reference	Dz. U. 2018 poz. 1286 wraz z późn. zm.
Portugal - Indicative Occupational Exposure Limit (IOEL)	
Local name	Etilenoglicol
IOEL TWA	52 mg/m³
	20 ppm
IOEL STEL	104 mg/m³
	40 ppm
Remark	Cutânea.
Regulatory reference	Decreto-Lei n.º 1/2021 de 6 de janeiro
Portugal - Occupational Exposure Limits	
Local name	Etilenoglicol
OEL TWA	52 mg/m³ (indicative limit value)
	20 ppm (indicative limit value)
OEL STEL	104 mg/m³ (indicative limit value)
	40 ppm (indicative limit value)
OEL C	100 mg/m³ (aerosol only)
	100 ppm H (Apenas aerossol)
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure indicative limit value
Remark	A4 (Agente não classificável como carcinogénico no Homem)
Regulatory reference	Norma Portuguesa NP 1796:2014

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Romania - Occupational Exposure Limits	
Local name	Etilenglicol/Etandiol
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
OEL chemical category	Skin notation
Remark	P - posibilitatea unei penetrări cutanate importante
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 53/2021)
Serbia - Occupational Exposure Limits	
Local name	етилен гликол; етандиол
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³
	40 ppm
Remark	ЕУ* – напомена да се ради о хемијским материјама за које су утврђене индикативне граничне вредности изложености према Директиви 2000/39/ЕЗ (прва листа); К – напомена да хемијска материја може штетно деловати на кожу
Regulatory reference	ПРАВИЛНИК о превентивним мерама за безбедан и здрав рад при излагању хемијским материјама („Службени гласник РС”, бр. 106/09, 117/17 и 107/21)
Slovakia - Occupational Exposure Limits	
Local name	Etylénglykol (etán-1,2-diol)
NPHV (OEL TWA)	52 mg/m³
	20 ppm
NPHV (OEL STEL)	104 mg/m³
	40 ppm
NPHV (OEL C)	104 mg/m³
Remark	K - znamená, že faktor môže byť ľahko absorbovaný kožou
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)
Slovenia - Occupational Exposure Limits	
Local name	etandiol (glikol)
OEL TWA	52 mg/m³
	20 ppm
OEL STEL	104 mg/m³

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	40 ppm
Remark	K (Lastnost lažjega prehajanja snovi v organizem skozi kožo), Y (Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in bat vrednosti), EU
OEL chemical category	Potential for cutaneous absorption
Regulatory reference	Uradni list RS, št. 72/2021 z dne 11.5.2021
Spain - Occupational Exposure Limits	
Local name	Etilenglicol
VLA-ED (OEL TWA)	52 mg/m³ (indicative limit value)
	20 ppm (indicative limit value)
VLA-EC (OEL STEL)	104 mg/m³
	40 ppm
Remark	Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo).
OEL chemical category	skin - potential for cutaneous absorption
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2024. INSHT
Sweden - Occupational Exposure Limits	
Local name	Etylenglykol (Glykol)
NGV (OEL TWA)	25 mg/m³ (limit value applies to the combined concentration of vapor and aerosol-aerosol and vapor)
	10 ppm (limit value applies to the combined concentration of vapor and aerosol-aerosol and vapor)
KGV (OEL STEL)	104 mg/m³ (limit value applies to the combined concentration of vapor and aerosol-aerosol and vapor)
	40 ppm (limit value applies to the combined concentration of vapor and aerosol-aerosol and vapor)
Remark	H (Ämnet kan lätt upptas genom huden. Det föreskrivna gränsvärdet bedöms ge tillräckligt skydd endast under förutsättning att huden är skyddad mot exponering för ämnet ifråga); 26 (Gränsvärdet gäller den sammanlagda koncentrationen av ånga och aerosol)
OEL chemical category	Skin notation
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom - Occupational Exposure Limits	
Local name	Ethane-1,2-diol

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WEL TWA (OEL TWA)	10 mg/m³ (particulates) 52 mg/m³ (vapour)
	20 ppm (vapour)
WEL STEL (OEL STEL)	104 mg/m³ (vapour) 30 mg/m³ (calculated-particulate)
	40 ppm (vapour)
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
WEL chemical category	Potential for cutaneous absorption
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Iceland - Occupational Exposure Limits	
Local name	Etýlenglýkól (1,2-etandíól, glýkól, mónóetýlenglýkól)
OEL TWA	26 mg/m³ 26 mg/m³ úði
	10 ppm 10 ppm úði
OEL STEL	104 mg/m³
	40 ppm
Remark	H (efnið getur auðveldlega borist inn í líkamann gegnum húð)
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 1296/2012)
Norway - Occupational Exposure Limits	
Local name	1,2-etandiol (Etylenglykol)
Grenseverdi (OEL TWA)	52 mg/m³ (total sum of gas and particulate matter (aerosol) of the substance)
	20 ppm (total sum of gas and particulate matter (aerosol) of the substance)
Korttidsverdi (OEL STEL)	104 mg/m³ (total sum of gas and particulate matter (aerosol) of the substance)
	40 ppm (total sum of gas and particulate matter (aerosol) of the substance)
Remark	H: Kjemikalier som kan tas opp gjennom huden; E: EU har en veiledende grenseverdi og/eller anmerkning for stoffet; 5) Grenseverdien er basert på beregning av summen av gass- og partikkelform (aerosol) av stoffet.
OEL chemical category	Skin notation
Regulatory reference	FOR-2023-12-18-2278
North Macedonia - Occupational Exposure Limits	
Local name	етандиол (гликол)

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OEL TWA	52 mg/m³
	20 ppm
KTV	2
Short time value [mg/m³]	104 mg/m³
Short time value	40 ppm
Remark	(KTV) краткотрајна вредност (КТВ) значи концентрација на опасни хемиски супстанци во воздухот на работното место внатре во зона на дишење, на која работникот без опасност по здравјето може да е изложен на покусо време. Изложеноста на краткотрајни вредности може да трае најмногу 15 минути и не смее да се повтори повеќе од четирипати во работната смена, при што меѓу две изложености на оваа концентрација мора да измине најмалку 60 минути. Краткотрајната вредност е изразена во mg/m3 или во ml/m3(ppm) а е дадена како многукратни дозволени пречекорувања на граничната вредност; (К) својство на полесно пренесување на супстанците во организмот преку кожата; (EU) European Union – гранична вредност, определена на ниво на Европската унија
Regulatory reference	Правилник за минималните барања за безбедност и здравје при работа на вработени од ризици поврзани со изложување на хемиски супстанци („Службен весник на Република Македонија" бр.46/10)
Switzerland - Occupational Exposure Limits	
Local name	Ethylèneglycol / Ethylenglykol
MAK (OEL TWA)	26 mg/m³ (aerosol, vapour)
	10 ppm (aerosol, vapour)
KZGW (OEL STEL)	52 mg/m³ (aerosol, vapour)
	20 ppm (aerosol, vapour)
Notation	R, SSC / H, SSC
Remark	La substance peut être présente sous forme de vapeur et d'aérosol en même temps / Der Stoff kann gleichzeitig als Dampf und Aerosol vorliegen
OEL chemical category	Skin notation
Regulatory reference	www.suva.ch, 01.01.2024
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethylene glycol
ACGIH® TLV® TWA	25 ppm (vapor fraction)
ACGIH® TLV® STEL	10 mg/m³ (inhalable particulate matter, aerosol only)
	50 ppm (vapor fraction)

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Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2024

8.1.2 Recommended monitoring procedures
Monitoring methods Personal air monitoring. Room air monitoring.

8.1.3. Air contaminants formed
No additional information available

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. Organisational measures to prevent /limit releases, dispersion and exposure. See Section 7 for information on safe handling. Apply measures to prevent dust explosions. Ensure equipment is adequately earthed.

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) . Suitable material: Not determined. Thickness : Not determined. Breakthrough time : refer to the recommendations of the supplier. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Eye protection:
Use suitable eye protection (EN 166): Safety glasses with side shields

Body protection:
Wear suitable protective clothing. Overalls, apron and boots recommended.

Respiratory protection:
Wear suitable respiratory protection. Effective dust mask (EN 149). Half-face mask (DIN EN 140). full face mask (DIN EN 136). Filter type: P3 (EN 143). When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal hazard protection:
Not required for normal conditions of use. Use dedicated equipment.

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Environmental exposure controls:
Avoid release to the environment. Comply with applicable Community environmental protection legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	white.
Appearance	:	Paste.
Odour	:	odourless.
Odour threshold	:	No data available
Melting / freezing point	:	No data available
Freezing point	:	Not available
Initial boiling point and boiling range	:	Not applicable
Flammability	:	Not flammable
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 applicable
Upper explosion limit	:	Not applicable
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	Not applicable
pH solution	:	Not available
Kinematic viscosity	:	Various colours
Dynamic viscosity	:	Various colours
Solubility	:	Water: Not applicable
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Partition coefficient n-octanol/water	:	No data available
Vapour pressure	:	Not applicable
Vapour pressure at 50°C	:	Not available
Density	:	1350 kg/m³ wet
Relative density	:	No data available
Vapour density	:	Not applicable
Particle size	:	Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

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9.2.2. Other safety characteristics
No additional information available

10. STABILITY AND REACTIVITY

10.1. Reactivity
None under normal conditions. Reference to other sections: 10.4 & 10.5.

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
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent moisture contact. Avoid dust formation. See Section 7 for information on safe handling.

10.5. Incompatible materials
No information available. See Section 7 for information on safe handling.

10.6. Hazardous decomposition products
Reference to other sections 5.2.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
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)

ethanediol; ethylene glycol (107-21-1)	
LD50/oral/rat	7712 mg/kg bodyweight
LD50/oral	7712 mg/kg
LD50/dermal/rat	10600 mg/kg
LD50/dermal/rabbit	> 3500 mg/kg
LD50/dermal	10600 mg/kg
LC50/inhalation/4h/rat	> 2,5 mg/l (Exposure time: 6 h)

Skin corrosion/irritation:
Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable

LEADER IN HIGH TEMPERATURE SOLTIONS

SAFETY DATASHEET

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Serious eye damage/irritation:
Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable

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:
May cause cancer by inhalation

alumino silicate fibres (142844-00-6)	
IARC group	2B - Possibly carcinogenic to humans

ethanediol; ethylene glycol (107-21-1)	
NOAEL (chronic, oral, animal/male, 2 years)	1000 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	1500 mg/kg bodyweight

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)

ethanediol; ethylene glycol (107-21-1)	
NOAEL (oral, rat, 90 days)	200 mg/kg bodyweight/day OECD Guideline 407
NOAEL (dermal, rat/rabbit, 90 days)	2220 mg/kg bodyweight/day OECD 410
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard:
Not classified (Based on available data, the classification criteria are not met)

Kinematic viscosity	Various colours

11.2. Information on other hazards
11.2.1. Endocrine disrupting properties
Adverse health effects caused by endocrine disrupting properties:
Not applicable

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11.2.2 Other information

Other information:

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

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Environmental properties:

According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".

Hazardous to the aquatic environment, short-term (acute):

Not classified

Hazardous to the aquatic environment, long-term (chronic):

Not classified

ethanediol; ethylene glycol (107-21-1)	
LC50 - Fish [1]	41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC50 - Fish [2]	14 – 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 96h - Algae [1]	6500 – 13000 mg/l (Species: Pseudokirchneriella subcapitata)
NOEC (chronic)	15380 mg/l (7d, Pimephales promelas)

12.2. Persistence and degradability

Persistence and degradability	No data is available on the product itself.

ethanediol; ethylene glycol (107-21-1)	
Persistence and degradability	Readily biodegradable.
Biodegradation	90-100 % Experimental data

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No additional information available.

alumino silicate fibres (142844-00-6)	
Partition coefficient n-octanol/water	No data available

ethanediol; ethylene glycol (107-21-1)	
Partition coefficient n-octanol/water	-1,36
Bioaccumulative potential	Does not bioaccumulate.

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12.4. Mobility in soil

Insulmould® 1260	
Mobility in soil	No data available

ethanediol; ethylene glycol (107-21-1)	
Mobility in soil	Not expected to adsorb on soil.

12.5. Results of PBT and vPvB assessment ingredient	
Results of PBT assessment	Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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

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.

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

This material and its container must be disposed of as hazardous waste Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14. TRANSPORT INFORMATION

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

ADR	**IMDG**	**IATA**	**ADN**	**RID**
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Classification code (ADR) : Not applicable

- Transport by sea

Transport regulation (IMDG) : not applicable

- Air transport

Transport regulation (IATA) : not applicable

- Inland waterway transport

Transport regulation (ADN) : not applicable

- Rail transport

Transport regulation (RID) : not applicable

14.7. Maritime transport in bulk according to IMO instruments

Code: IBC : No data available.

15. REGULATORY INFORMATION

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

REACH Annex XVII (Restriction List)

Reference code	Applicable on	Entry title or description
28.	alumino silicate fibres	Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.
3(b)	ethanediol; ethylene glycol	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

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EU restriction list (REACH Annex XVII)		
Reference code	**Applicable on**	**Entry title or description**
3(b)	ethanediol; ethylene glycol	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 substance(s) listed on the REACH Candidate List in concentrations ≥ 0.1 % or SCL: alumino silicate fibres (EC 604- 314-4, CAS 142844-00-6)

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)
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

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15.1.2. National regulations
France

Occupational diseases	
Code	Description
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
na	Not Applicable	na	na

Germany
Water hazard class (WGK):
WGK nwg, Non-hazardous to water (Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)).

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:
B (4) - Weinig schadelijk voor in het water levende organismen

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

Denmark
Recommendations Danish Regulation:
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 the product. The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

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15.2. Chemical safety assessment
Not applicable

16. OTHER INFORMATION

ABM = Algemene beoordelingsmethodiek
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
BTT = Breakthrough time (maximum wearing time)
DMEL = Derived Minimal Effect level
DNEL = Derived No Effect Level
EC50 = Median Effective Concentration
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
LC50 = Median lethal concentration
LD50 = Median lethal dose
LL50 = Median lethal level
NA = Not applicable
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
TWA = time weighted average
VOC = Volatile organic compounds
WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

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

Training advice:

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

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

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Carc. 1B	Carcinogenicity (inhalation) Category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed.
H350i	May cause cancer by inhalation.
H373	May cause damage to organs through prolonged or repeated exposure.
	Restricted to professional users

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