

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

1.1. Product identifier

Product form : Mixture
Product name : Primer DPM B-component
UFI : XW40-MOJ7-N005-DVS5

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

Relevant identified uses

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

1.3. Details of the supplier of the safety data sheet

Quartzline B.V.
W.A. Boogaertstraat 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	Gifflinjen. 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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Country/Area	Organisation	Emergency number
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 Università 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. 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]

Acute toxicity (oral), Category 4	H302
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Reproductive toxicity, Category 1B	H360F
Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410

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

Adverse physicochemical, human health and environmental effects

May damage fertility or the unborn child. Harmful if inhaled. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.

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2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Contains

: BENZYL ALCOHOL; ISOPHORONE DIAMINE; m-phenylenebis(methylamine); 4,4'-ISOPROPYLIDENEDIPHENOL; 3-aminopropyldimethylamine; N,N-dimethyl-1,3-diaminopropane; AMINOPROPYL TRIETHOXY-SILANE; 2,4,6-tris(dimethylaminomethyl)phenol

Hazard statements (CLP)

: H302+H332 - Harmful if swallowed or if inhaled.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H360F - May damage fertility.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P201 - Obtain special instructions before use.
P280 - Wear protective clothing, protective gloves, eye protection, respiratory protection.
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a doctor, a POISON CENTER.
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.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P391 - Collect spillage.

2.3. Other hazards

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

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	4,4'-isopropylidenediphenol; bisphenol A (80-05-7)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	4,4'-isopropylidenediphenol; bisphenol A (80-05-7)

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are 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

Component	
Substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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	4,4'-isopropylidenediphenol; bisphenol A (80-05-7)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
benzyl alcohol substance with national workplace exposure limit(s) (BG, DE, FI, LV, LT, PL, SI, CZ)	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38	25 – 50	Acute Tox. 4 (Oral), H302 (ATE=1620 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Eye Irrit. 2, H319 Skin Sens. 1B, H317

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Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
3-aminomethyl-3,5,5-trimethylcyclohexylamine	CAS-No.: 2855-13-2 EC-No.: 220-666-8 EC Index-No.: 612-067-00-9 REACH-no: 01-2119514687-32	2 – 10	Acute Tox. 4 (Oral), H302 (ATE=1030 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1340 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Chronic 3, H412
m-phenylenebis(methylamine) substance with national workplace exposure limit(s) (BE, DK, FI, FR, IE, AT, PT)	CAS-No.: 1477-55-0 EC-No.: 216-032-5 REACH-no: 01-2119480150-50	2 – 10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 EUH071
4,4'-isopropylidenediphenol; bisphenol A substance listed on REACH Candidate List substance with national workplace exposure limit(s) (BE, BG, CY, DK, DE, EE, FI, FR, GR, HU, IE, IT, HR, LV, LT, LU, MT, NL, AT, PL, PT, RO, SI, SK, ES, CZ, SE); substance with a Community workplace exposure limit; substance identified as having endocrine disrupting properties	CAS-No.: 80-05-7 EC-No.: 201-245-8 EC Index-No.: 604-030-00-0 REACH-no: 01-2119457856-23	2 – 10	Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 1B, H360F STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10)
3-aminopropylidimethylamine; N,N-dimethyl-1,3-diaminopropane	CAS-No.: 109-55-7 EC-No.: 203-680-9 EC Index-No.: 612-061-00-6 REACH-no: 01-2119486842-27	2 – 10	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 (ATE=410 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 3, H335
2,4,6-tris(dimethylaminomethyl)phenol	CAS-No.: 90-72-2 EC-No.: 202-013-9 EC Index-No.: 603-069-00-0 REACH-no: 01-2119560597-27	2 – 10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412
3-aminopropyltriethoxysilane substance with national workplace exposure limit(s) (FI)	CAS-No.: 919-30-2 EC-No.: 213-048-4 EC Index-No.: 612-108-00-0 REACH-no: 01-2119480479-24	< 3	Acute Tox. 4 (Oral), H302 (ATE=1490 mg/kg bodyweight) Skin Corr. 1B, H314 Skin Sens. 1, H317

Specific concentration limits:

Name	Product identifier	Specific concentration limits (Conc. (% w/w))
3-aminomethyl-3,5,5-trimethylcyclohexylamine	CAS-No.: 2855-13-2 EC-No.: 220-666-8 EC Index-No.: 612-067-00-9 REACH-no: 01-2119514687-32	(0.001 ≤ C ≤ 100) Skin Sens. 1A; H317

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. Get immediate medical advice/attention.

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First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.
Self protection of the first-aider	: First aid workers will be equipped with suitable personal protective equipment.

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

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

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.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO ₂).

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
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

For non-emergency personnel

Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe vapours, mist.
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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".
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6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
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	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do not breathe vapours, mist. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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

Storage conditions	: Store locked up. Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Keep out of frost. Keep away from food, drink and animal feeding stuffs.
Incompatible products	: Strong oxidizing agent.
Heat and ignition sources	: Keep away from heat and direct sunlight.

Germany

Storage class (LGK, TRGS 510)	: LGK 6.1C - Combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects
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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 2A, LGK 4.1A, LGK 5.1A, LGK 5.1C, LGK 5.2, LGK 6.2, LGK 7

Joint storage with restrictions permitted for

: LGK 4.2, LGK 4.3, LGK 5.1B

Joint storage permitted for

: LGK 2B, LGK 3, LGK 4.1B, 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

benzyl alcohol (100-51-6)	
Austria - Occupational Exposure Limits	
Local name	Benzylalkohol
Regulatory reference	BGBl. II Nr. 339/2025
Bulgaria - Occupational Exposure Limits	
Local name	Бензилналкохол
OEL TWA	5 mg/m ³
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.)
Czech Republic - Occupational Exposure Limits	
Local name	Benzylalkohol
PEL (OEL TWA)	40 mg/m ³ 9 ppm
NPK-P (OEL C)	80 mg/m ³ 18 ppm
Remark	I - dráždí sliznice (oči, dýchací cesty), resp. kůži, S - látka má senzibilizující účinek (s větou H317, H334).
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 20/2025 Sb.)
Finland - Occupational Exposure Limits	
Local name	Bentsyylialkoholi
HTP (OEL TWA)	45 mg/m ³ 10 ppm
Regulatory reference	HTP-ARVOT 2025 (Sosiaali- ja terveystieteiden ministeriö)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Benzylalkohol
AGW (OEL TWA)	22 mg/m ³ 5 ppm
Peak exposure limitation factor	2(I)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); 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
Regulatory reference	TRGS900

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benzyl alcohol (100-51-6)	
Latvia - Occupational Exposure Limits	
Local name	Benzilspirts (fenilmetanols, fenilkarbinols)
OEL TWA	5 mg/m ³
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	Benzilo alkoholis
IPRV (OEL TWA)	5 mg/m ³
Remark	O (medžiaga į organizmą gali prasiskverbti pro nepažeistą odą); Ū (ūmus poveikis)
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Poland - Occupational Exposure Limits	
Local name	Fenylometanol
NDS (OEL TWA)	240 mg/m ³
Regulatory reference	Dz. U. 2024 poz. 1017 wraz z późn. zm.
Slovenia - Occupational Exposure Limits	
Local name	benzilalkohol
OEL TWA	22 mg/m ³ 5 ppm
OEL STEL	44 mg/m ³ 10 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)
Regulatory reference	Uradni list RS, št. 26/2025 z dne 18.4.2025 - Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu
m-phenylenebis(methylamine) (1477-55-0)	
Austria - Occupational Exposure Limits	
Local name	α,α'-Diamino-1,3-xylol
MAK (OEL TWA)	0.1 mg/m ³
OEL C	0.1 mg/m ³
Regulatory reference	BGBI. II Nr. 339/2025
Belgium - Occupational Exposure Limits	
Local name	m-Xylène α, α'-diamine # m-Xyleen α, α'-diamine
OEL STEL	0.1 mg/m ³
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.
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023

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m-phenylenebis(methylamine) (1477-55-0)	
Denmark - Occupational Exposure Limits	
Local name	m-Xylen- α,α' -diamin (α,α' -Diamino-1,3-dimethylbenzen)
Loftværdi (OEL C)	0.1 mg/m ³ 0.02 ppm
Remark	H (betyder, at stoffet kan optages gennem huden)
Regulatory reference	BEK nr 1356 af 19/11/2025
Finland - Occupational Exposure Limits	
Local name	m-Ksyleeni-alfa,alfa-diamiini
HTP (OEL C)	0.1 mg/m ³
Remark	Iho
Regulatory reference	HTP-ARVOT 2025 (Sosiaali- ja terveysministeriö)
France - Occupational Exposure Limits	
Local name	m-Xylène- α,α' -diamine (m-phénylènebis(méthylamine), 1,3-phénylènediméthanamine)
VLEP CT (OEL STEL)	0.1 mg/m ³
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 6443, 2022; Outil65)
Ireland - Occupational Exposure Limits	
Local name	m-Xylene α,α' -diamine (m-phenylenebis(methylamine))
OEL TWA	0.1 mg/m ³
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
Portugal - Occupational Exposure Limits	
Local name	m-Xileno- α,α' -diamina
OEL C	0.1 mg/m ³ 0.1 ppm
Remark	P (Toxicidade percutânea)
Regulatory reference	Norma Portuguesa NP 1796:2014
4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	
EU - Binding Occupational Exposure Limit (BOEL)	
Local name	Bisphenol A; 4,4'-Isopropylidenediphenol
BOEL TWA	2 mg/m ³ (Inhalable fraction)
Regulatory reference	DIRECTIVE (EU) 2022/431 (amending Directive 2004/37/EC)
EU - Biological Limit Value (BLV)	
Local name	Bisphenol A
Regulatory reference	SCOEL List of recommended health-based BLVs and BGVs
Austria - Occupational Exposure Limits	
Local name	Bisphenol A (4,4'-Isopropylidendiphenol)
MAK (OEL TWA)	2 mg/m ³ (E)
OEL C	5 mg/m ³ (E)
Remark	S. Fortpflanzungsgefährdend: F
Regulatory reference	BGBI. II Nr. 339/2025
Belgium - Occupational Exposure Limits	
Local name	Bisphénol A (4,4'-Isopropylidènediphénol) # Bisfenol A (4,4'-Isopropylideendifenol)

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4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	
OEL TWA	2 mg/m ³
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Bulgaria - Occupational Exposure Limits	
Local name	Бисфенол А; 4,4'-изопропилидендифенол
OEL TWA	2 mg/m ³ (Инхалабилна фракция)
Remark	• (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
Regulatory reference	Наредба № 10 от 26.09.2003 г. за защита на работещите от рискове, свързани с експозиция на канцерогени и мутагени при работа (изм. и доп. ДВ. бр. 28 от 2 Април 2024г.)
Croatia - Occupational Exposure Limits	
Local name	Bisfenol A; 4,4'-izopropili-dendifenol
GVI (OEL TWA)	2 mg/m ³ frakcija koju je moguće udahnuti
Remark	Direktiva: 2017/164/EU. Napomena: Alergen koža (tvar koja može izazvati alergijsku reakciju na koži (H317)), Repr 1B
Regulatory reference	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, граниčnim vrijednostima izloženosti i biološkim граниčnim vrijednostima (NN 148/2023)
Cyprus - Occupational Exposure Limits	
Local name	Δισφαινόλη Α· 4,4'-ισοπροπιλιδενοδιφαινόλη
OEL TWA	2 mg/m ³ (Εισπνεύσιμο κλάσμα)
Regulatory reference	Κανονισμοί του 2019 (Κ.Δ.Π. 16/2019)
Czech Republic - Occupational Exposure Limits	
Local name	2,2-Bis(4-hydroxyfenyl)propan (Bisfenol A)
PEL (OEL TWA)	2 mg/m ³ (prach, aerosol) (V - vdechovatelná frakce aerosolu)
NPK-P (OEL C)	5 mg/m ³ (prach, aerosol) (V - vdechovatelná frakce aerosolu)
Remark	I - dráždí sliznice (oči, dýchací cesty), resp. kůži, S - látka má senzibilizující účinek (s větou H317, H334), T - toxická pro reprodukci kategorie 1A a 1B (s větou H360 včetně příslušných kódů).
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 20/2025 Sb.)
Denmark - Occupational Exposure Limits	
Local name	Bisphenol A
8-timers grænseværdi (OEL TWA)	2 mg/m ³ inhalerbar
Korttidsgrænseværdi (OEL STEL)*	4 mg/m ³ inhalerbar
Remark	E (betyder, at stoffet har en EU-grænseværdi)
Regulatory reference	BEK nr 1356 af 19/11/2025
Estonia - Occupational Exposure Limits	
Local name	Bisfenool A (4,4-isopropülideendifenool)
OEL TWA	2 mg/m ³ Sissehingata fraktsioon
Regulatory reference	Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 02.04.2024, 13)
Finland - Occupational Exposure Limits	
Local name	Bisfenoli A; 4,4'-isopropylideenidifenoli
BOEL TWA	2 mg/m ³
Remark	Lisääntymiselle vaaralliset tekijät
Regulatory reference	HTP-ARVOT 2025 (Sosiaali- ja terveysministeriö)
France - Occupational Exposure Limits	
Local name	Bisphénol A (poussières inhalables) (4,4'-isopropylidènediphénol)

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4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	
VLEP 8h (OEL TWA)	2 mg/m ³
Remark	Valeurs réglementaires contraignantes. Toxique pour la reproduction de catégorie 1B
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)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Bisphenol A
AGW (OEL TWA)	2 mg/m ³ (E)
Peak exposure limitation factor	2,5(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); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; Sh - Hautsensibilisierende Stoffe; 40 - Die Kurzzeitwerte orientieren sich an den bisherigen Festlegungen (s. DFG/AGS)
Regulatory reference	TRGS900
Greece - Occupational Exposure Limits	
Local name	Δισφαινόλη Α [4,4'-ισοπροπυλιδεδιοφαινόλη]
OEL TWA	2 mg/m ³ Εισπνεύσιμο κλάσμα
Regulatory reference	Π.Δ. 48/2024 - Προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους παράγοντες, μεταλλαξιογόνους παράγοντες ή τοξικές για την αναπαραγωγή ουσίες κατά την εργασία
Hungary - Occupational Exposure Limits	
Local name	BISZFENOL-A (4,4'-izopropilidén-difenol)
AK (OEL TWA)	2 mg/m ³
Remark	Repr.(1B) (reprotoxikus); EU4 (2017/164 EU irányelvben közölt érték); T (Azok az anyagok, amelyek egészségkárosító hatása TARTÓS expozíciót követően jelentkezik)
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	Bisphenol A (4,4'-isopropylidenediphenol) (Inhalable dust)
OEL TWA	2 mg/m ³ I (Inhalable Fraction)
Remark	BOELV (Binding Occupational Exposure Limit Values), Sens (In the workplace, respiratory or dermal exposures to sensitising agents may occur. Sensitisers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The "sens" notation alone does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitisers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE)), Repr.1B (Substances which are presumed human reproductive toxicants)
Regulatory reference	Chemical Agents Code of Practice 2024
Italy - Occupational Exposure Limits	
Local name	Bisfenolo A (4,4'-Isopropilidenedifenolo)
OEL TWA	2 mg/m ³ Frazione inalabile
Remark	Cute
Regulatory reference	Allegato XLIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i. (D.Lgs. 4 settembre 2024, n. 135)
Latvia - Occupational Exposure Limits	
Local name	Bisfenols A (4,4'-izopropilidēndifenols)
OEL TWA	2 mg/m ³ leelpojamā frakcija

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4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	
Remark	Repr. 1B
Regulatory reference	Ministru kabineta 2008. gada 29. septembra noteikumi Nr. 803 (Grozījumi Ministru kabineta 2024. gada 26. martā noteikumiem Nr. 190).
Lithuania - Occupational Exposure Limits	
Local name	Bisfenolis A, 4,4'-izopropilidēndifenolis
IPRV (OEL TWA)	2 mg/m ³ (ikvepiamoji frakcija)
Remark	R (reprodukcijai toksisks poveikis); J (jautrinantis poveikis)
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Luxembourg - Occupational Exposure Limits	
Local name	Bisphénol A ; 4,4'-Isopropylidēnediphénol
OEL TWA	2 mg/m ³ Fraction inhalable
Regulatory reference	Mémorial A N° 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	Bisphenol A; 4,4'-Isopropylidenediphenol # Bisfenol A; 4,4'-Izopropilidenedifenol
OEL TWA	2 mg/m ³ (Inhalable fraction # Frazzjoni inalabbli)
Regulatory reference	S.L. 424.22 - Exposure to Carcinogens, Mutagens or Reprotoxic Substances at Work Regulations (L.N. 102 of 2024) # L.S. 424.22 - Regolamenti dwar Espożizzjoni għall-Carcinogens, Mutagens jew Reprotoxic Substances fuq il-Post tax-Xogħol (A.L. 102 tal-2024)
Netherlands - Occupational Exposure Limits	
Local name	Bisfenol A (4,4'-isopropylideendifenol)
Grenswaarde TGG 8H (mg/m ³)	2 mg/m ³ (inhaleerbaar stof)
Remark	Reprotoxische stof
Regulatory reference	Arbeidsomstandighedenregeling 2026
Poland - Occupational Exposure Limits	
Local name	2,2-Bis(4-hydroksyfenyl)propan (bisfenol A)
NDS (OEL TWA)	2 mg/m ³ frakcja wdychalna
Remark	Frakcja wdychalna – frakcja aerozolu wnikażąca przez nos i usta, która stwarza zagrożenie dla zdrowia po zdeponowaniu w drogach oddechowych.
Regulatory reference	Dz. U. 2024 poz. 1017 wraz z późn. zm.
Portugal - Indicative Occupational Exposure Limit (IOEL)	
Local name	Bisfenol A; 4,4'-isopropilidenodifenol
Regulatory reference	Decreto-Lei n.º 102/2024, de 4 de dezembro
Portugal - Binding Occupational Exposure Limit (BOEL)	
Local name	Bisfenol A; 4,4'-isopropilidenodifenol
BOEL TWA	2 mg/m ³ Fração inalável
Romania - Occupational Exposure Limits	
Local name	Bisfenol A/4,4'-Isopropilidēndifenol
OEL TWA	2 mg/m ³ Fracție inhalabilă
Remark	R1B - poate dăuna fătului; poate dăuna fertilității
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 179/2024)
Slovakia - Occupational Exposure Limits	
Local name	Bisfenol A (4,4'-izopropylidēndifenol)
NPHV (OEL TWA)	2 mg/m ³

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4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	
Remark	Kategória reprodukčne toxických faktorov 1B – Látka s predpokladanou toxicitou pre ľudskú reprodukciu.
Regulatory reference	Nariadenie vlády č. 356/2006 Z. z. (121/2024 Z. z.)
Slovenia - Occupational Exposure Limits	
Local name	bisfenol A (4,4'-izopropilidendifenol)
OEL TWA	2 mg/m ³
OEL STEL	2 mg/m ³
Remark	Reprotoksične snovi - Snovi, strupene za razmnoževanje (lahko škoduje plodnosti) – kategorija 1B. EU
Regulatory reference	Uradni list RS, št. 26/2025 z dne 18.4.2025 - Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti rakotvornim ali mutagenim snovem pri delu
Spain - Occupational Exposure Limits	
Local name	Bisfenol A
VLA-ED (OEL TWA)	2 mg/m ³
Remark	TR1B (Sustancias de las que se supone que son tóxicas para la reproducción humana), Sen (Sensibilizante), ae (Alterador endocrino. Hay una serie de sustancias utilizadas en la industria, la agricultura y los bienes de consumo de las que se sospecha que interfieren con los sistemas endocrinos de los seres humanos y de los animales y que son causantes de perjuicios para la salud como el cáncer, alteraciones del comportamiento y anomalías en la reproducción. Tales sustancias se denominan "alteradores endocrinos". [Aplicación de la estrategia comunitaria en materia de alteradores endocrinos-sustancias de las que se sospecha interfieren en los sistemas hormonales de seres humanos y animales-COM (1999) 706. Comisión de las Comunidades Europeas, COM (2001) 262 final, Bruselas 14.06.2001]. En el caso del ser humano, algunas vías posibles de exposición a alteradores endocrinos son la exposición directa en el lugar de trabajo o a través de productos de consumo como alimentos, ciertos plásticos, pinturas, detergentes y cosméticos, o indirecta a través del medio ambiente (aire, agua y suelo). [Estrategia comunitaria en materia de alteradores endocrinos (sustancias de las que se sospecha interfieren en los sistemas hormonales de seres humanos y animales). Comisión de las Comunidades Europeas, COM (1999) 706 final, Bruselas 17.12.1999]. Los valores límite asignados a estos agentes no se han establecido para prevenir los posibles efectos de alteración endocrina, lo cual justifica una vigilancia adecuada de la salud), r (Esta sustancia tiene establecidas restricciones a la fabricación, la comercialización o el uso en los términos especificados en el "Reglamento (CE) nº 1907/2006 sobre Registro, Evaluación, Autorización y Restricción de sustancias y preparados químicos" (REACH) de 18 de diciembre de 2006 (DOUE L 369 de 30 de diciembre de 2006). Las restricciones de una sustancia pueden aplicarse a todos los usos o sólo a usos concretos. El anexo XVII del Reglamento REACH contiene la lista de todas las sustancias restringidas y especifica los usos que se han restringido), v (Agente cancerígeno, mutágeno o reprotóxico con valor límite vinculante recogido en el anexo III del Real Decreto 665/1997 y en sus modificaciones posteriores).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2025. INSHT
Sweden - Occupational Exposure Limits	
Local name	Bisfenol A
NGV (OEL TWA)	2 mg/m ³ (inhalerbar fraktion)
Remark	R (Reproduktionsstörande ämnen, som kan skada fertiliteten och det ofödda barnet); 23 (Ämnet har ett indikativt EU-gränsvärde); 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)
Regulatory reference	Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön
*STEL value is calculated based on the TWA limit	
3-aminopropyltriethoxysilane (919-30-2)	
Finland - Occupational Exposure Limits	
Local name	3-Aminopropyylitrietoksisilaani

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3-aminopropyltriethoxysilane (919-30-2)	
HTP (OEL TWA)	28 mg/m ³
	3 ppm
HTP (OEL STEL)	55 mg/m ³
	6 ppm
Regulatory reference	HTP-ARVOT 2025 (Sosiaali- ja terveystieteiden ministeriö)

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Protective clothing. Safety glasses. [In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses. Standard EN 166 - Personal eye-protection - specifications, or Standard EN ISO 16321-1 Eye and face protection for occupational use Part 1 : General requirements

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	Nitrile rubber (NBR), Viton, Polyvinylchloride (PVC)	6 (> 480 minutes)	>0.5		ISO 374-1

Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. EN 143

Respiratory protection			
Device	Filter type	Condition	Standard
Breathing apparatus with filter	Type A - High-boiling (>65 °C) organic compounds, Type P2	Vapour protection, Protection for Liquid particles	EN 143

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: yellowish.
Odour	: Amine-like.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: ≈ 135 °C
Flammability	: Not available
Lower explosion limit	: 1.3 Vol-%
Upper explosion limit	: 13 Vol-%
Flash point	: > 100 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 980.392 mm ² /s
Viscosity, dynamic	: 1000 mPa·s (25 °C; ISO 321)
Solubility	: Water: Practically not miscible
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 0.07 hPa (20 °C)
Vapour pressure at 50°C	: Not available
Density	: 1.02 g/cm ³ (23 °C; ISO 2811-2)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

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

Strong oxidizing agent.

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)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

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ATE oral	937.725 mg/kg bodyweight
ATE dust/mist	2.5 mg/l/4h
benzyl alcohol (100-51-6)	
LD50 oral rat	1620 mg/kg
3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
LD50 oral rat	1030 mg/kg

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3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
LD50 dermal rabbit	1340 mg/kg
m-phenylenebis(methylamine) (1477-55-0)	
LD50 dermal rat	> 3100 mg/kg
LC50 Inhalation - Rat	≈ 1.34 mg/l/4h
4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	
LD50 oral rat	> 2000 mg/kg
3-aminopropyldimethylamine; N,N-dimethyl-1,3-diaminopropane (109-55-7)	
LD50 oral rat	410 mg/kg
3-aminopropytriethoxysilane (919-30-2)	
LD50 oral rat	1490 mg/kg
LD50 dermal rabbit	4076 mg/kg
Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: May damage fertility.
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	
STOT-single exposure	May cause respiratory irritation.
3-aminopropyldimethylamine; N,N-dimethyl-1,3-diaminopropane (109-55-7)	
STOT-single exposure	May cause respiratory irritation.
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)
Primer DPM B-component	
Viscosity, kinematic	980.392 mm ² /s
11.2. Information on other hazards	
Endocrine disrupting properties	
Component	
4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)
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)	: Very toxic to aquatic life with long lasting effects.
benzyl alcohol (100-51-6)	
LC50 - Fish [1]	460 mg/l (Pimephales promelas)
EC50 - Crustacea [1]	230 mg/l (OECD 202; Daphnia magna)
ErC50 algae	770 mg/l (OECD 201; Pseudokirchneriella subcapitata)
NOEC chronic crustacea	51 mg/l (OECD 211: Daphnia magna)
NOEC chronic algae	310 mg/l (OECD 201; Pseudokirchneriella subcapitata)

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3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
LC50 - Fish [1]	110 mg/l (EU Method C.1; Leuciscus idus)
EC50 - Crustacea [1]	23 mg/l (OECD 202; Daohnia magna)
ErC50 algae	> 50 mg/l (EU Method C.3; Desmodesmus subspicatus)
m-phenylenebis(methylamine) (1477-55-0)	
LC50 - Fish [1]	87.6 mg/l (OECD 203; Oryzias latipes)
EC50 - Crustacea [1]	15.2 mg/l (OECD 202; Daphnia magna)
ErC50 algae	33.3 mg/l (OECD 201; Pseudokirchneriella subcapitata)
NOEC chronic crustacea	4.7 mg/l (OECD 211; Daphnia magna)
NOEC chronic algae	10.5 mg/l (OECD 201; Pseudokirchneriella subcapitata)
4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	
LC50 - Fish [1]	4.6 mg/l (OECD 203; Pimephales promelas)
EC50 - Crustacea [1]	10.2 mg/l (Daphnia magna)
ErC50 algae	2.73 – 3.1 mg/l (Pseudokirchneriella subcapitata)
NOEC chronic fish	0.016 mg/l (Pimephales promelas)
NOEC chronic crustacea	0.025 mg/l (Marisa cornuarietis)
3-aminopropyldimethylamine; N,N-dimethyl-1,3-diaminopropane (109-55-7)	
LC50 - Fish [1]	122 mg/l (OECD 203; Leuciscus idus melanotus)
EC50 - Crustacea [1]	59.46 mg/l (EU Method C.2; Daphnia magna)
ErC50 algae	34 mg/l (OECD 201; Pseudokirchneriella subcapitata)
NOEC chronic crustacea	3.64 mg/l (OECD 211; Daphnia magna)
NOEC chronic algae	19.53 mg/l (OECD 201; Pseudokirchneriella subcapitata)
3-aminopropyltriethoxysilane (919-30-2)	
LC50 - Fish [1]	> 934 ppm (OECD 203; Danio rerio)
EC50 - Crustacea [1]	331 mg/l (OECD 202; Daphnia magna)
2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
LC50 - Fish [1]	> 100 mg/l (OECD 203; Cyprinus carpio)
EC50 - Crustacea [1]	> 100 mg/l (OECD 202; Daphnia magna)
ErC50 algae	46.7 mg/l (OECD 201; Pseudokirchneriella subcapitata)
12.2. Persistence and degradability	
Primer DPM B-component	
Persistence and degradability	Biodegradability in water: no data available.
benzyl alcohol (100-51-6)	
Persistence and degradability	Readily biodegradable.
3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
Persistence and degradability	Not readily biodegradable.
m-phenylenebis(methylamine) (1477-55-0)	
Persistence and degradability	Not readily biodegradable.
4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	
Persistence and degradability	Readily biodegradable.
3-aminopropyldimethylamine; N,N-dimethyl-1,3-diaminopropane (109-55-7)	
Persistence and degradability	Readily biodegradable.

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3-aminopropyltriethoxysilane (919-30-2)

Persistence and degradability	Readily biodegradable.
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2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)

Persistence and degradability	Not readily biodegradable.
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12.3. Bioaccumulative potential

benzyl alcohol (100-51-6)

Partition coefficient n-octanol/water (Log Pow)	1.1 (20 °C)
Bioaccumulative potential	Due to the n-octanol-water partition coefficient, a bio-accumulation in organisms is not to be expected.

3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)

Partition coefficient n-octanol/water (Log Pow)	0.99 (23 °C; pH 6,34)
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m-phenylenebis(methylamine) (1477-55-0)

Partition coefficient n-octanol/water (Log Pow)	≈ 0.18 (25 °C; pH 10,3 - 10,4)
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3-aminopropylidimethylamine; N,N-dimethyl-1,3-diaminopropane (109-55-7)

Partition coefficient n-octanol/water (Log Pow)	-0.352 (25 °C)
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2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)

Partition coefficient n-octanol/water (Log Pow)	-0.66 (21,5 °C)
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	4,4'-isopropylidenediphenol; bisphenol A (80-05-7)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	4,4'-isopropylidenediphenol; bisphenol A (80-05-7)

12.6. Endocrine disrupting properties

Component

4,4'-isopropylidenediphenol; bisphenol A (80-05-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)
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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.
European List of Waste (LoW, EC 2000/532)	: 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
HP Code	: HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure. HP8 - "Corrosive:" waste which on application can cause skin corrosion. HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs. HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information





In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
UN 2735	UN 2735	UN 2735	UN 2735

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ADR	IMDG	IATA	RID
14.2. UN proper shipping name			
AMINES, LIQUID, CORROSIVE, N.O.S. (contains : 3-aminomethyl-3,5,5-trimethylcyclohexylamine)	AMINES, LIQUID, CORROSIVE, N.O.S. (contains : 3-aminomethyl-3,5,5-trimethylcyclohexylamine)	Amines, liquid, corrosive, n.o.s. (contains : 3-aminomethyl-3,5,5-trimethylcyclohexylamine)	AMINES, LIQUID, CORROSIVE, N.O.S. (contains : 3-aminomethyl-3,5,5-trimethylcyclohexylamine)
Transport document description			
UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (contains : 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II, (E), ENVIRONMENTALLY HAZARDOUS	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (contains : 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 2735 Amines, liquid, corrosive, n.o.s. (contains : 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II, ENVIRONMENTALLY HAZARDOUS	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (contains : 3-aminomethyl-3,5,5-trimethylcyclohexylamine), 8, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)			
8	8	8	8
			
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-A EmS-No. (Spillage): S-B	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available			

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: C7
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container instructions (ADR)	: T11
Portable tank and bulk container special provisions (ADR)	: TP1, TP27
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Hazard identification number (Kemler No.)	: 80
Orange plates	:



Tunnel restriction code (ADR) : E

Transport by sea

Special provisions (IMDG)	: 274
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02

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Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP1, TP27
Stowage category (IMDG)	: A
Segregation (IMDG)	: SGG18, SG35
Properties and observations (IMDG)	: Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes.

Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y840
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA)	: 851
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 855
CAO max net quantity (IATA)	: 30L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L

Rail transport

Classification code (RID)	: C7
Special provisions (RID)	: 274
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02
Mixed packing provisions (RID)	: MP15
Portable tank and bulk container instructions (RID)	: T11
Portable tank and bulk container special provisions (RID)	: TP1, TP27
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE6
Hazard identification number (RID)	: 80

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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(a)	3-aminopropyl-dimethylamine; N,N-dimethyl-1,3-diaminopropane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F

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EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	Primer DPM B-component ; benzyl alcohol ; 3-aminomethyl-3,5,5-trimethylcyclohexylamine ; m-phenylenebis(methylamine) ; 4,4'-isopropylidenediphenol; bisphenol A ; 3-aminopropyl dimethylamine; N,N-dimethyl-1,3-diaminopropane ; 3-aminopropyltriethoxysilane ; 2,4,6-tris(dimethylaminomethyl) phenol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Primer DPM B-component ; 3-aminomethyl-3,5,5-trimethylcyclohexylamine ; m-phenylenebis(methylamine) ; 4,4'-isopropylidenediphenol; bisphenol A ; 2,4,6-tris(dimethylaminomethyl) phenol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
30.	4,4'-isopropylidenediphenol; bisphenol A	Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.
66.	4,4'-isopropylidenediphenol; bisphenol A	Bisphenol A

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 $\geq 0.1\%$ or SCL: 4,4'-isopropylidenediphenol; bisphenol A (EC 201-245-8, CAS 80-05-7)

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)

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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
- Listed or contains substance(s) on the Denmark - Indicative list of organic solvents present in Annex 3.4.1 of the WEA Guidance C.0.1-1: m-Xylene- α,α' -diamine (1477-55-0)

France

Occupational diseases	
Code	Description
RG 49	Skin disorders caused by aliphatic, alicyclic amines or ethanolamines
RG 49 BIS	Respiratory disorders caused by aliphatic amines, ethanolamines or isophoronediamine
RG 66	Occupational rhinitis and asthma

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 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Chemicals Prohibition Ordinance (ChemVerbotsV)

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

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

- : 4,4'-isopropylidenediphenol; bisphenol A is listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling

- : None of the components are listed

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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
8.2	Skin and body protection	Modified
15.1	REACH Annex XVII	Modified

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Data sources

: ECHA (European Chemicals Agency).

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Other information

: REACH Disclaimer:

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). **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H360F	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

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

Acute Tox. 4 (Oral)	H302	Calculation method
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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Acute Tox. 4 (Inhalation:dust,mist)	H332	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Repr. 1B	H360F	Calculation method
Aquatic Chronic 1	H410	Calculation method

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