SAFETY DATA SHEET

Version #: 05
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	DEVCON® DFense Blok™ Quick Patch Hardener
Registration number	-
Synonyms	None.
SKU#	5208

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

Identified uses	Not available.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company Name	ITW Performance Polymers
Address	Bay 150 Shannon Industrial Estate Co. Clare Ireland V14 DF82
Contact Person	Customer Service
Telephone Number	353(61)771500 353(61)471285
Email	customerservice.shannon@itwpp.com
Emergency Phone Number	44(0) 1235 239 670 (24 hours)

1.4. Emergency telephone number

General in EU	112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Austria National Poisons Information Center	+431 406 4343 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Belgium National Poisons Control Center	070 245 245 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Bulgaria National Toxicological Information Center	+359 2 9154 233 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Croatia Poisons Information Center	+385 1 2348 342 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Cyprus Poison Center	1401 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Czech Republic National Poisons Information Center	+420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Denmark National Poisons Control Center	+45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Estonia National Poisons Information Center	16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.)
Finland National Poison Information Center	(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
France National Poisons Control Center	ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

1.4. Emergency telephone number

Greece Poison Information Centre	(0030) 2107793777 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Hungary National Emergency Phone Number	+36-80-201-199 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Iceland Poison Center	(+354) 543 2222 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Latvia Emergency medical aid	113
Latvia Poison and Drug Information Center	+371 67042473 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Lithuania Neatidėliotina informacija apsinuodijus	+370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Malta Accident and Emergency Department	2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Netherlands National Poisons Information Center (NVIC)	NVIC: +31 (0)88 755 8000 (Only for the purpose of informing medical personnel in cases of acute intoxications)
Norway Norwegian Poison Information Center	22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Portugal Poison Center	800 250 250 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Romania Biroul RSI si Informare Toxicologica	021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.)
Slovakia National Toxicological Information Center	+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Spain Toxicology Information Service	+ 34 91 562 04 20 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Sweden National Poison Information Center	112 - and ask for Poison Information (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Switzerland Tox Info Suisse	145 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Reproductive toxicity	Category 2	H361 - Suspected of damaging fertility or the unborn child.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

UFI:

Austria: 06G0-E0YS-S00C-W683
Belgium: 06G0-E0YS-S00C-W683
Bulgaria: 06G0-E0YS-S00C-W683
Croatia: 06G0-E0YS-S00C-W683
Cyprus: 06G0-E0YS-S00C-W683
Czech Republic: 06G0-E0YS-S00C-W683
Denmark: 06G0-E0YS-S00C-W683
Estonia: 06G0-E0YS-S00C-W683
EU: 06G0-E0YS-S00C-W683
Finland: 06G0-E0YS-S00C-W683
France: 06G0-E0YS-S00C-W683
Germany: 06G0-E0YS-S00C-W683
Greece: 06G0-E0YS-S00C-W683
Hungary: 06G0-E0YS-S00C-W683
Iceland: 06G0-E0YS-S00C-W683
Ireland: 06G0-E0YS-S00C-W683
Italy: 06G0-E0YS-S00C-W683
Latvia: 06G0-E0YS-S00C-W683
Lithuania: 06G0-E0YS-S00C-W683
Luxembourg: 06G0-E0YS-S00C-W683
Malta: 06G0-E0YS-S00C-W683
Netherlands: 06G0-E0YS-S00C-W683
Norway: 06G0-E0YS-S00C-W683
Poland: 06G0-E0YS-S00C-W683
Portugal: 06G0-E0YS-S00C-W683
Romania: 06G0-E0YS-S00C-W683
Slovakia: 06G0-E0YS-S00C-W683
Slovenia: 06G0-E0YS-S00C-W683
Spain: 06G0-E0YS-S00C-W683
Sweden: 06G0-E0YS-S00C-W683

Contains: 2,4,6-tris(dimethylaminomethyl)phenol, ALUMINATE SILICATE, ALUMINUM OXIDE, bisphenol A; 4,4'-isopropylidenediphenol

Hazard pictograms

Signal word Warning

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None.

2.3. Other hazards This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
ALUMINUM OXIDE	40 - 70	1302-74-5 -	-	-	
Classification: -					
ALUMINATE SILICATE	10 - 30	1327-36-2 215-475-1	-	-	
Classification: -					
2,4,6-tris(dimethylaminomethyl)phenol	5 - 10	90-72-2 202-013-9	-	603-069-00-0	
Classification: Acute Tox. 4;H302;(ATE: 500 mg/kg bw), Acute Tox. 4;H312;(ATE: 1280 mg/kg bw), Skin Irrit. 2;H315, Eye Irrit. 2;H319					
2,2'-iminodiethylamine; diethylenetriamine	< 1	111-40-0 203-865-4	01-2119473793-27-0000	612-058-00-X	
Classification: Acute Tox. 4;H302;(ATE: 500 mg/kg bw), Acute Tox. 4;H312;(ATE: 1100 mg/kg bw), Skin Corr. 1B;H314, Eye Dam. 1;H318, Skin Sens. 1;H317					
bisphenol A; 4,4'-isopropylidenediphenol	< 1	80-05-7 201-245-8	01-2119457856-23-0000	604-030-00-0	#
Classification: Eye Dam. 1;H318, Skin Sens. 1;H317, Repr. 1B;H360F, STOT SE 3;H335, Aquatic Chronic 2;H411					
Bis[2-(dimethylaminoethyl) Ether]	< 0,3	3033-62-3 221-220-5	-	-	
Classification: Acute Tox. 4;H302;(ATE: 909 mg/kg bw), Acute Tox. 3;H311;(ATE: 314 mg/kg bw)					
Other components below reportable levels	15 - 40				

List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.
M: M-factor
vPvB: very persistent and very bioaccumulative substance.
PBT: persistent, bioaccumulative and toxic substance.
#: This substance has been assigned Union workplace exposure limit(s).
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures Use water spray to cool unopened containers.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

For emergency responders Keep unnecessary personnel away. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Following product recovery, flush area with water.

Small Spills: Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s) Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001, as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	MAK	4 mg/m3	
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	MAK	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fraction.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	Ceiling	5 mg/m3	Inhalable fraction.
	MAK	2 mg/m3	Inhalable fraction.

Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1 - Chemical agents, as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,3 mg/m3	

Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1 - Chemical agents, as amended

Components	Type	Value	Form
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Bis[2-(dimethylaminoethyl) Ether] (CAS 3033-62-3)	STEL	1 mg/m3	
		0,15 ppm	
	TWA	0,33 mg/m3	
		0,05 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	

Bulgaria. OELs. Ordinance No 13 on protection of workers against risks of exposure to chemical agents at work, as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	5 mg/m3	Inhalable fraction.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Croatia. OELs (GVI). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and Biological Limit Values, Annex I (NN 91/2018), as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	MAC	4,3 mg/m3	
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	MAC	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	MAC	2 mg/m3	Inhalable fraction.

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended

Components	Type	Value
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3
		1 ppm

Cyprus. OELs. Occupational Exposure Limit Values of Chemicals at Work (Safety and Health at Work (Chem. Agents) Reg., Ann. 1, R.A.A. 268/2001, as amended)

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Czech Republic. Occupational exposure limit values of chemicals at work (Decree on protection of health at work, 361/2007, Annex 2, Part A & Annex 3, Part A, as amended)

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Ceiling	8 mg/m3	
	TWA	4 mg/m3	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	5 mg/m3	Dust.

Czech Republic. Occupational exposure limit values of chemicals at work (Decree on protection of health at work, 361/2007, Annex 2, Part A & Annex 3, Part A, as amended)

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	Ceiling	5 mg/m3	Dust/aerosol, inhalable.
	TWA	2 mg/m3	Dust/aerosol, inhalable.

Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, Annex 2

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TLV	4 mg/m3	
		1 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TLV	2 mg/m3	Particulate.

Estonia

Components	Type	Value	Form
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
		1 mg/m3	Dust.

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	10 mg/m3	
		2 ppm	
	TWA	4,5 mg/m3	
		1 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Respirable fraction.

Finland. HTP-arvot, App 3., Binding Limit Values, Social Affairs and Ministry of Health

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	13 mg/m3	
		3 ppm	
	TWA	4,3 mg/m3	
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	10 mg/m3	Dust.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	

France. OELs. Occupational Exposure Limits as Prescribed by Art. R.4412-149 of Labor Code, as amended

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	VME	2 mg/m3	Inhalable dust.

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	VME	4 mg/m3	
Regulatory status: Indicative limit (VL)			
		1 ppm	
Regulatory status: Indicative limit (VL)			

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value	Form
ALUMINUM OXIDE (CAS 1302-74-5)	VME	5 mg/m3	Respirable fraction.
Regulatory status: Regulatory binding (VRC)			
		10 mg/m3	Inhalable fraction.
Regulatory status: Regulatory binding (VRC)			
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	VME	2 mg/m3	Inhalable dust.
Regulatory status: Regulatory binding (VRC)			

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG), as updated

Components	Type	Value	Form
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	4 mg/m3	Inhalable dust.
		0,3 mg/m3	Respirable fraction.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	5 mg/m3	Inhalable fraction.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
ALUMINUM OXIDE (CAS 1302-74-5)	AGW	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	AGW	5 mg/m3	Inhalable fraction.

Greece. OELs, Presidential Decree No. 307/1986, as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Inhalable
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Hungary. OELs. Decree on protection of workers exposed to chemical agents (5/2020. (II.6)), Annex 1&2, as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	8 mg/m3	
	TWA	4 mg/m3	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	6 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	

Iceland. OELs. Regulation 390/2009 on Pollution Limits and Measures to Reduce Pollution at the Workplace, as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,5 mg/m3	
		1 ppm	

Iceland. OELs. Regulation 390/2009 on Pollution Limits and Measures to Reduce Pollution at the Workplace, as amended

Components	Type	Value	Form
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Ireland. OELVs, Schedules 1 & 2, Code of Practice for Chemical Agents and Carcinogens Regulations

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
Bis[2-(dimethylaminoethyl) Ether] (CAS 3033-62-3)	STEL	0,15 ppm	
	TWA	0,05 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable dust.

Italy. OELs (Legislative Decree n.81, 9 April 2008), as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	1 ppm	
ALUMINATE SILICATE (CAS 1327-36-2)	TWA	1 mg/m3	Respirable fraction.
Bis[2-(dimethylaminoethyl) Ether] (CAS 3033-62-3)	STEL	0,15 ppm	
	TWA	0,05 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Latvia. OELs. Occupational Exposure Limits of Chemical Substances at Workplace (Reg. No. 325/ 2007, L.V. 80, Annex 1), as amended

Components	Type	Value	Form
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	2 mg/m3	
		2 mg/m3	Dust.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Lithuania. OELs. Occupational Exposure Limit Values for Chemical Substances (Hygiene Norm HN 23:2011; Order No. V-824/A1-389), as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	10 mg/m3	
		2 ppm	
	TWA	4,5 mg/m3	
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
		1 mg/m3	Dust.

Lithuania. OELs. Occupational Exposure Limit Values for Chemical Substances (Hygiene Norm HN 23:2011; Order No. V-824/A1-389), as amended

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Respirable dust.

Luxembourg. OELs. Binding Occupational Exposure Limit Values (Annex I), G.D.R. of 14 November 2016, OJ Memorial A, n ° 235/2016, as amended

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Malta. OELs. Protection of Health and Safety of Workers from Risks related to Chemical Agents at Work (L.N 227/2003 Schedules I and V), as amended

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Netherlands. OELs per Annex XIII of Working Conditions Regulation (Staatscourant no. 252, 29 December 2006), as amended

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Norway. Regulation No. 1358 on Measures and Limit Values for Physical and Chemical Factors in Work Environment and Infection Groups for Biological Factors, as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TLV	4 mg/m3	
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	TLV	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TLV	2 mg/m3	Inhalable fraction.

Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	12 mg/m3	
	TWA	4 mg/m3	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Portugal. Decree-Law No. 24/2012, Occupational Exposure Limit Values, Annex II, as amended

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796-2014)

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	1 ppm	
ALUMINATE SILICATE (CAS 1327-36-2)	TWA	1 mg/m3	Respirable fraction.
Bis[2-(dimethylaminoethyl) Ether] (CAS 3033-62-3)	STEL	0,15 ppm	

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796-2014)

Components	Type	Value	Form
	TWA	0,05 ppm	

Romania. OELs. Limit Values of Chemical Agents at Workplace (Regulation 1.218/2006, M.O 845, Annex 1, 3&4, as amended)

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	4 mg/m3	
		1 ppm	
	TWA	2 mg/m3	
		0,5 ppm	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Gaseous and vapor, inhalable fraction

Slovakia. OELs. Maximum permissible exposure limits for chemical factors in workplace air (Regulation No 355/2006, Annex 1, Table 1, as amended)

Components	Type	Value	Form
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	2 mg/m3	Respirable aerosol fraction
		2 mg/m3	Respirable aerosol fraction
		2 mg/m3	Respirable fraction.
		2 mg/m3	Respirable fraction.
		10 mg/m3	Aerosol.
		10 mg/m3	Total
		10 mg/m3	Dust.
		10 mg/m3	
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Slovenia. OELs. Occupational Exposure Limits of Chemicals at Workplace (Reg. on Protection of Workers from Risks due to Exp. to Chemicals at Work, Annex I), as amended

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Spain. OELs. INSST, Límites de Exposición Profesional Para Agentes Químicos, Table 1-Valores Límites Ambientales (VLAs)

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,3 mg/m3	
		1 ppm	
ALUMINATE SILICATE (CAS 1327-36-2)	TWA	1 mg/m3	Respirable fraction.
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	10 mg/m3	Dust.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	

Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	10 mg/m3	
		2 ppm	
	TWA	4,5 mg/m3	

Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended

Components	Type	Value	Form
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	5 mg/m3	Inhalable dust.
		2,5 mg/m3	Respirable dust.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable dust.

Switzerland. SUVA Grenzwerte am Arbeitsplatz: Aktuelle MAK-Werte

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	3 mg/m3	Respirable fraction.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	3 mg/m3	Inhalable fraction.

UK. OELs. Workplace Exposure Limits (WELs) (EH40/2005 (Fourth Edition 2020)), Table 1

Components	Type	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,3 mg/m3	
		1 ppm	
ALUMINUM OXIDE (CAS 1302-74-5)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

EU. OELs, Directive 2004/37/EC on carcinogen and mutagens from Annex III, Part A, as amended

Components	Type	Value	Form
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.

Biological limit values

Hungary. BELs. Decree on protection of workers exposed to chemical agents (5/2020. (II.6)), Annex 3&4, as amended

Components	Value	Determinant	Specimen	Sampling Time
ALUMINATE SILICATE (CAS 1327-36-2)	0,25 µmol/mmol	Aluminum	Creatinine in urine	*
	0,06 mg/g	Aluminum	Creatinine in urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

Belgium OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.
Bis[2-(dimethylaminoethyl) Ether] (CAS 3033-62-3)	Can be absorbed through the skin.

Cyprus OEL: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Denmark GV: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Estonia OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Finland Exposure Limit Values: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Greece OEL: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Hungary OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Iceland OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Ireland Exposure Limit Values: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Italy OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Danger of cutaneous absorption
Bis[2-(dimethylaminoethyl) Ether] (CAS 3033-62-3)	Danger of cutaneous absorption
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)	Danger of cutaneous absorption

Lithuania OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Norway Exposure Limit Values: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Portugal VLEs Norm on Occupatioinal Exposure: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.
Bis[2-(dimethylaminoethyl) Ether] (CAS 3033-62-3)	Can be absorbed through the skin.

Romania OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Spain OELs: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Sweden Threshold Limit Values: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

Switzerland SUVA Limit Values at the Workplace: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

UK EH40 WEL: Skin designation

2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

General information	Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
- Hand protection	Wear appropriate chemical resistant gloves.
- Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Form	Solid.
Color	Amber.
Odor	Ammoniacal. fishy
Melting point/freezing point	Not available.
Boiling point or initial boiling point and boiling range	Not available.
Flammability	Not available.
Flash point	200,0 °F (93,3 °C) estimated
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
pH	Not available.
Kinematic viscosity	Not available.
Solubility	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water) (log value)	Not available.
Vapor pressure	Not available.
Density and/or relative density	
Density	1,05 g/cm3 estimated
Vapor density	Not available.
Particle characteristics	Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes	No relevant additional information available.

9.2.2. Other safety characteristics

Specific gravity	1,05 estimated

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

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

Acute toxicity Not known.

Components	Species	Test Results
2,4,6-tris(dimethylaminomethyl)phenol (CAS 90-72-2)		
Acute		
Dermal		
LD50	Rat	1280 mg/kg
Bis[2-(dimethylaminoethyl) Ether] (CAS 3033-62-3)		
Acute		
Dermal		
LD50	Rabbit	314 mg/kg
Oral		
LD50	Rat	909 mg/kg
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)		
Acute		
Dermal		
LD50	Rabbit	3000 mg/kg
Oral		
LD50	Rat	3250 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization Due to partial or complete lack of data the classification is not possible.

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

Carcinogenicity Due to partial or complete lack of data the classification is not possible.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) Toxic for reproduction, Category 1B.

Specific target organ toxicity - single exposure Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure Due to partial or complete lack of data the classification is not possible.

Aspiration hazard Due to partial or complete lack of data the classification is not possible.

Mixture versus substance information No information available.

11.2. Information on other hazards

Endocrine disrupting properties	This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.
Other information	May cause allergic respiratory and skin reactions.

SECTION 12: Ecological information

12.1. Toxicity	Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
12.2. Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

bisphenol A; 4,4'-isopropylidenediphenol	3,32

Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
12.6. Endocrine disrupting properties	This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.
12.7. Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
Hazard No. (ADR)	Not assigned.
Tunnel restriction code	Not assigned.
14.4. Packing group	-
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

RID

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
14.4. Packing group	-
14.5. Environmental hazards	No.

14.6. Special precautions for user Not assigned.

ADN

14.1. UN number Not regulated as dangerous goods.

14.2. UN proper shipping name Not regulated as dangerous goods.

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

14.4. Packing group -

14.5. Environmental hazards No.

14.6. Special precautions for user Not assigned.

IATA

14.1. UN number Not regulated as dangerous goods.

14.2. UN proper shipping name Not regulated as dangerous goods.

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

14.4. Packing group -

14.5. Environmental hazards No.

14.6. Special precautions for user Not assigned.

IMDG

14.1. UN number Not regulated as dangerous goods.

14.2. UN proper shipping name Not regulated as dangerous goods.

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

14.4. Packing group -

14.5. Environmental hazards

Marine pollutant No.

EmS Not assigned.

14.6. Special precautions for user Not assigned.

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

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

ALUMINUM OXIDE (CAS 1302-74-5)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)

UFI:

Austria: 06G0-E0YS-S00C-W683
Belgium: 06G0-E0YS-S00C-W683
Bulgaria: 06G0-E0YS-S00C-W683
Croatia: 06G0-E0YS-S00C-W683
Cyprus: 06G0-E0YS-S00C-W683
Czech Republic: 06G0-E0YS-S00C-W683
Denmark: 06G0-E0YS-S00C-W683
Estonia: 06G0-E0YS-S00C-W683
EU: 06G0-E0YS-S00C-W683
Finland: 06G0-E0YS-S00C-W683
France: 06G0-E0YS-S00C-W683
Germany: 06G0-E0YS-S00C-W683
Greece: 06G0-E0YS-S00C-W683
Hungary: 06G0-E0YS-S00C-W683
Iceland: 06G0-E0YS-S00C-W683
Ireland: 06G0-E0YS-S00C-W683
Italy: 06G0-E0YS-S00C-W683
Latvia: 06G0-E0YS-S00C-W683
Lithuania: 06G0-E0YS-S00C-W683
Luxembourg: 06G0-E0YS-S00C-W683
Malta: 06G0-E0YS-S00C-W683
Netherlands: 06G0-E0YS-S00C-W683
Norway: 06G0-E0YS-S00C-W683
Poland: 06G0-E0YS-S00C-W683
Portugal: 06G0-E0YS-S00C-W683
Romania: 06G0-E0YS-S00C-W683
Slovakia: 06G0-E0YS-S00C-W683
Slovenia: 06G0-E0YS-S00C-W683
Spain: 06G0-E0YS-S00C-W683
Sweden: 06G0-E0YS-S00C-W683

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended - Conditions of restriction given for the associated entry number should be considered

2,4,6-tris(dimethylaminomethyl)phenol (CAS 90-72-2) 75
bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7) 66

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

bisphenol A; 4,4'-isopropylidenediphenol (CAS 80-05-7)

Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations According to Directive 92/85/EEC as amended, pregnant women should not work with the product, if there is the least risk of exposure.

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

Contains a substance which is included on the TRGS 905 list of carcinogenic, germ cell mutagenic and reproductive toxic substances

ALUMINUM OXIDE (CAS 1302-74-5)	Anorganische Faserstäube, soweit nicht erwähnt (ausgenommen Gipsfasernund Wollastonitfasern)

France regulations

France INRS Table of Occupational Diseases

Not regulated.

Product registration number

Austria	UFI: 06G0-E0YS-S00C-W683
Belgium	UFI: 06G0-E0YS-S00C-W683
Czech Republic	UFI: 06G0-E0YS-S00C-W683
Denmark	UFI: 06G0-E0YS-S00C-W683
European Union	UFI: 06G0-E0YS-S00C-W683
Finland	UFI: 06G0-E0YS-S00C-W683
France	UFI: 06G0-E0YS-S00C-W683
Germany	UFI: 06G0-E0YS-S00C-W683
Greece	UFI: 06G0-E0YS-S00C-W683

Hungary	UFI: 06G0-E0YS-S00C-W683
Italy	UFI: 06G0-E0YS-S00C-W683
Netherlands	UFI: 06G0-E0YS-S00C-W683
Norway	UFI: 06G0-E0YS-S00C-W683
Poland	UFI: 06G0-E0YS-S00C-W683
Portugal	UFI: 06G0-E0YS-S00C-W683
Slovakia	UFI: 06G0-E0YS-S00C-W683
Slovenia	UFI: 06G0-E0YS-S00C-W683
Spain	UFI: 06G0-E0YS-S00C-W683
Sweden	UFI: 06G0-E0YS-S00C-W683
Switzerland	UFI: 06G0-E0YS-S00C-W683

15.2. Chemical safety assessment No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
CAS: Chemical Abstract Service.
CEN: European Committee for Standardization.
IATA: International Air Transport Association.
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
IMDG: International Maritime Dangerous Goods.
MAC: Maximum Allowed Concentration.
MARPOL: International Convention for the Prevention of Pollution from Ships.
PBT: Persistent, bioaccumulative and toxic.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
STEL: Short term exposure limit.
TLV: Threshold Limit Value.
TWA: Time Weighted Average.
VLE: Exposure Limit Value.
VME: Exposure Average Value.
vPvB: Very persistent and very bioaccumulative.

References Not available.

Information on evaluation method leading to the classification of mixture The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements, which are not written out in full under sections 2 to 15

H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H360F May damage fertility.
H411 Toxic to aquatic life with long lasting effects.

Revision information None.

Training information Follow training instructions when handling this material.

Disclaimer ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.