SAFETY DATA SHEET

Version #: 07 Issue date: 05-29-2019 Revision date: 07-31-2023 Supersedes date: 07-14-2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking .1. Product identifier irade name or designation DEVCON® DFense Blok™ Surface Wetting Agent Hardener f the mixture - tegistration number - typonyms None. KU# 5603 .2. Relevant identified uses of the substance or mixture and uses advised against Identified uses Not available. Uses advised against None known. .3. Details of the supplier of the substance Polymers company Name ITW Performance Polymers iddress Bay 150 Shannon Industrial Estate Co. Clare Ireland V14 DF82 contact Person Customer Service elephone Number 353(61)771500 353(61)471285 353(61)471285
rade name or designation f the mixture DEVCON® DFense Blok™ Surface Wetting Agent Hardener registration number - typonyms None. typonyms Not available. Uses advised against None known. totage against None known. totage against ITW Performance Polymers toddress Bay 150 Shannon Industrial Estate Co. Clare Ireland V14 DF82 totage V14 DF82 totage St3(61)771500
None. None. KU# 5603 2. Relevant identified uses of to substance or mixture and uses advised against Identified uses Not available. Uses advised against None known. 3. Details of the supplier of the subplier of the supplier of the supplier of the supplier of the supplier of the supplier. ITW Performance Polymers address Bay 150 Shannon Industrial Estate Co. Clare Ireland V14 DF82 contact Person Customer Service elephone Number 353(61)771500
KU# 5603 .2. Relevant identified uses of the substance or mixture and uses advised against Identified uses Not available. Uses advised against None known. .3. Details of the supplier of the safety data sheet Sompany Name itTW Performance Polymers Bay 150 scompany Name ITW Performance Polymers itddress Bay 150 Shannon Industrial Estate Co. Clare Ireland V14 DF82 contact Person Customer Service ielephone Number 353(61)771500
KU#56032. Relevant identified uses of the substance or mixture and uses advised against Identified usesNot available.Uses advised againstNone known.3. Details of the supplier of the safety data sheetSompany NameiddressITW Performance PolymersiddressBay 150Shannon Industrial Estate Co. Clare Ireland V14 DF82contact PersonCustomer Serviceielephone Number353(61)771500
Identified usesNot available.Uses advised againstNone known.3. Details of the supplier of the safety data sheetcompany NameITW Performance PolymersaddressBay 150Shannon Industrial EstateCo. ClareIrelandV14 DF82contact PersonCustomer ServiceaddressSige (1)771500
.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 elephone Number 353(61)771500
Sompany NameITW Performance PolymersaddressBay 150Shannon Industrial EstateShannon Industrial EstateCo. ClareIrelandV14 DF82V14 DF82contact PersonCustomer Servicealelphone Number353(61)771500
Sompany NameITW Performance PolymersaddressBay 150Shannon Industrial EstateShannon Industrial EstateCo. ClareIrelandV14 DF82V14 DF82contact PersonCustomer Servicealelphone Number353(61)771500
Address Bay 150 Shannon Industrial Estate Co. Clare Ireland V14 DF82 Contact Person Customer Service Belephone Number 353(61)771500
Shannon Industrial Estate Co. Clare Ireland V14 DF82 Contact Person Customer Service Selephone Number 353(61)771500
Ireland V14 DF82 Contact Person Customer Service Selephone Number 353(61)771500
V14 DF82 Contact Person Customer Service Gelephone Number 353(61)771500
Contact PersonCustomer ServiceGelephone Number353(61)771500
Selephone Number 353(61)771500
•
•
mail customerservice.shannon@itwpp.com
mergency Phone Number 44(0) 1235 239 670 (24 hours)
.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+431 406 4343 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Belgium National Poisons070 245 245 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Bulgaria National+359 2 9154 233 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)Center
Croatia Poisons+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+420 224 919 293, or +420 224 915 402 (Hours of operation not provided.Poisons InformationSDS/Product information may not be available for the Emergency Service.)Center
Denmark National Poisons+45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Estonia National Poisons16662 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(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day.Information CenterSDS/Product information may not be available for the Emergency Service.)
France National Poisons Control CenterORFILA 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		
Acute toxicity, oral	Category 4	H302 - Harmful if swallowed.
Skin corrosion/irritation	Category 1B	H314 - Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
Skin sensitization	Category 1	H317 - May cause an allergic skin reaction.
Reproductive toxicity	Category 2	H361 - Suspected of damaging fertility or the unborn child.
Environmental hazards Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Austria: 7M30-30T6-E00J-M3KD Belgium: 7M30-30T6-E00J-M3KD Bulgaria: 7M30-30T6-E00J-M3KD

Croatia: 7M30-30T6-E00J-M3KD Cyprus: 7M30-30T6-E00J-M3KD Czech Republic: 7M30-30T6-E00J-M3KD Denmark: 7M30-30T6-E00J-M3KD Estonia: 7M30-30T6-E00J-M3KD EU: 7M30-30T6-E00J-M3KD Finland: 7M30-30T6-E00J-M3KD France: 7M30-30T6-E00J-M3KD Germany: 7M30-30T6-E00J-M3KD Greece: 7M30-30T6-E00J-M3KD Hungary: 7M30-30T6-E00J-M3KD Iceland: 7M30-30T6-E00J-M3KD Ireland: 7M30-30T6-E00J-M3KD Italy: 7M30-30T6-E00J-M3KD Latvia: 7M30-30T6-E00J-M3KD Lithuania: 7M30-30T6-E00J-M3KD Luxembourg: 7M30-30T6-E00J-M3KD Malta: 7M30-30T6-E00J-M3KD Netherlands: 7M30-30T6-E00J-M3KD Norway: 7M30-30T6-E00J-M3KD Poland: 7M30-30T6-E00J-M3KD Portugal: 7M30-30T6-E00J-M3KD Romania: 7M30-30T6-E00J-M3KD Slovakia: 7M30-30T6-E00J-M3KD Slovenia: 7M30-30T6-E00J-M3KD Spain: 7M30-30T6-E00J-M3KD Sweden: 7M30-30T6-E00J-M3KD Contains: 1,3-Benzenedimethanamine, 2,2,4(OR 2,4,4)-TRIMETHYLHEXANE-1,6-DIAMINE. 2,2'-iminodiethylamine; diethylenetriamine, 2-piperazin-1-ylethylamine, 4-tert-butylphenol, piperazine [liquid], Triethylolamine Hazard pictograms Signal word Danger Hazard statements Harmful if swallowed. H302 Causes severe skin burns and eye damage. H314 May cause an allergic skin reaction. H317 Causes serious eye damage. H318 Suspected of damaging fertility or the unborn child. H361 Harmful to aquatic life with long lasting effects. H412 **Precautionary statements** Prevention Obtain special instructions before use. P201 Do not handle until all safety precautions have been read and understood. P202 Do not breathe mist/vapors. P260 Wash thoroughly after handling. P264 Do not eat, drink or smoke when using this product. P270 Contaminated work clothing should not be allowed out of the workplace. P272 Avoid release to the environment. P273 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P280 Response Rinse mouth. P330 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P301 + P330 + P331 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with P303 + P361 + P353 water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304 + P340IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present P305 + P351 + P338 and easy to do. Continue rinsing Immediately call a POISON CENTER/doctor. P310 If skin irritation or rash occurs: Get medical advice/attention. P333 + P313 Take off contaminated clothing and wash it before reuse. P362 + P364

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
1,3-Benzenedimethanamine	10 - 30	1477-55-0 216-032-5	01-2119480150-50-0000	-	
Classif	ication: -				
4-tert-butylphenol	10 - 30	98-54-4 202-679-0	-	604-090-00-8	ED
Classif			H318, Repr. 2;H361f, Aquati Chronic 2;H411(M=1)	с	
2,2'-iminodiethylamine; diethylenetriamine	5 - 10	111-40-0 203-865-4	01-2119473793-27-0000	612-058-00-X	
Classif			ng/kg bw), Acute Tox. 4;H31 , Eye Dam. 1;H318, Skin Se		
2,2,4(OR 2,4,4)-TRIMETHYLHEXANE- MINE	1 - 5 I,6-DIA	25513-64-8 247-063-2	-	-	
Classif	ication: Skin Corr.	1C;H314, Eye Dam.	1;H318		
2-piperazin-1-ylethylamine	1 - <3	140-31-8 205-411-0	01-2119471486-30-0003	612-105-00-4	

205-411-0

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, Aquatic Chronic 3;H412

 Triethylolamine
 1 - <3</th>
 102-71-6
 -<

 Classification:
 Skin Corr. 1B;H314, Eye Dam. 1;H318, Resp. Sens. 1;H334, Skin Sens. 1;H317, Repr. 2;H361fd

 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]
 < 0,2</td>
 13463-67-7
 01-2119489379-17-0000
 022-006-002

 Classification:
 Carc. 2;H351
 Carc. 2;H351
 Carc. 2;H351
 Carc. 2;H351

Other components below reportable 30 - 60

levels

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. Wash contaminated clothing before reuse.

#

4.1. Description of first aid meas	sures
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. 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. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
4.2. Most important symptoms and effects, both acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. 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	Alcohol resistant foam. 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	Move containers from fire area if you can do so without risk.
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 breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.		
For emergency responders	Keep unnecessary personnel away. Ensure adequate ventilation. Avoid breathing mist/vapors. 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 release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.		
6.3. Methods and material for	Prevent product from entering drains.		
containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.		
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). 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	Obtain special instructions before use. Do not handle until all safety precautions have been read		

7.1. Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. 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. Wash
	possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

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), BGBI. II, no. 184/2001, as amended

Components	Туре	Value	Form
1,3-Benzenedimethanamin e (CAS 1477-55-0)	Ceiling	0,1 mg/m3	
	MAK	0,1 mg/m3	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	MAK	4 mg/m3	
		1 ppm	
4-tert-butylphenol (CAS 98-54-4)	МАК	0,5 mg/m3	
		0,08 ppm	
	STEL	2,5 mg/m3	
		0,4 ppm	
piperazine [liquid] (CAS 110-85-0)	МАК	0,1 mg/m3	
	STEL	0,3 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	MAK	5 mg/m3	Respirable dust.
	STEL	10 mg/m3	Respirable dust.
Triethylolamine (CAS 102-71-6)	МАК	5 mg/m3	Inhalable fraction.
		0,8 ppm	Inhalable fraction.
	STEL	10 mg/m3	Inhalable fraction.
		1,6 ppm	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	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,3 mg/m3	
		1 ppm	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	Vapor and aerosol.
	TWA	0,1 mg/m3	Vapor and aerosol.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	10 mg/m3	
Triethylolamine (CAS 102-71-6)	TWA	5 mg/m3	
Belgium. OELs. Exposure Limit Va amended	alues to Chemical Substances	s at Work, Code of Well-being	at work, Book VI, Title 1, as
Components	Туре	Value	
1,3-Benzenedimethanamin	Ceiling	0,1 mg/m3	

e (CAS 1477-55-0)

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

Components	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	Respirable dust.

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	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	MAC	4,3 mg/m3	
		1 ppm	
piperazine [liquid] (CAS 110-85-0)	MAC	0,1 mg/m3	
	STEL	0,3 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	MAC	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.

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

Components	туре	value	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
		1 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	
Cyprus OELs Occupational Expo	sure Limit Values of Chemica	Is at Work (Safety and Health at Work (Chem A	aents)

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	Туре	Value	Form	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	Vapor and dust.	
	TWA	0,1 mg/m3	Vapor and 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	Туре	Value	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	Ceiling	8 mg/m3	
	TWA	4 mg/m3	
piperazine [liquid] (CAS 110-85-0)	Ceiling	0,3 mg/m3	
	TWA	0,1 mg/m3	
Triethylolamine (CAS 102-71-6)	Ceiling	10 mg/m3	
	TWA	5 mg/m3	

Components	Туре	Value	
1,3-Benzenedimethanamin e (CAS 1477-55-0)	Ceiling	0,1 mg/m3	
		0,02 ppm	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TLV	4 mg/m3	
		1 ppm	
4-tert-butylphenol (CAS 98-54-4)	TLV	0,5 mg/m3	
		0,08 ppm	
oiperazine [liquid] (CAS 110-85-0)	TLV	0,1 mg/m3	
		0,003 ppm	
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7)	TLV	6 mg/m3	
Triethylolamine (CAS 102-71-6)	TLV	3,1 mg/m3	
·		0,5 ppm	

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

Components	гуре	value	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	10 mg/m3	
		2 ppm	
	TWA	4,5 mg/m3	
		1 ppm	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	5 mg/m3	
Triethylolamine (CAS 102-71-6)	STEL	10 mg/m3	
	TWA	5 mg/m3	

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

Components	Туре	Value Form	
1,3-Benzenedimethanamin e (CAS 1477-55-0)	Ceiling	0,1 mg/m3	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	13 mg/m3	
		3 ppm	
	TWA	4,3 mg/m3	
		1 ppm	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
		0,084 ppm	
	TWA	0,1 mg/m3	
		0,028 ppm	

Finland. HTP-arvot, App Components	3., Binding Limit Values, Social Affair Type	s and Ministry of Health Value	Form
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 1 µm] (CAS 13463-67-7)		10 mg/m3	Dust.
Triethylolamine (CAS 102-71-6)	TWA	5 mg/m3	
France. OELs. Indicative Components	e Occupational Exposure Limits as Pre Type	escribed by Order of 30 June 20 Value	004, as amended Form
piperazine [liquid] (CAS 110-85-0)	VLE	0,3 mg/m3	Vapor and dust.
,	VME	0,1 mg/m3	Vapor and dust.
France. Threshold Limit Components	Values (VLEP) for Occupational Expo Type	sure to Chemicals in France, IN Value	NRS ED 984 Form
1,3-Benzenedimethanami e (CAS 1477-55-0)	in VLE	0,1 mg/m3	
Regulatory status:	Indicative limit (VL)		
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	VME	4 mg/m3	
Regulatory status:	Indicative limit (VL)		
		1 ppm	
Regulatory status:	Indicative limit (VL)		
piperazine [liquid] (CAS 110-85-0)	VLE	0,3 mg/m3	Vapor and dust.
Regulatory status:	Regulatory indicative (VRI)		
	VME	0,1 mg/m3	Vapor and dust.
Regulatory status:	Regulatory indicative (VRI)		
titanium dioxide [in powde form containing 1 % or more of particles with aerodynamic diameter \leq 1 µm] (CAS 13463-67-7)		10 mg/m3	
Regulatory status:	Indicative limit (VL)		
Germany. DFG MAK List in the Work Area (DFG),	t (advisory OELs). Commission for the	Investigation of Health Hazard	Is of Chemical Compounds
Components	Туре	Value	Form
4-tert-butylphenol (CAS	TWA	0,5 mg/m3	Vapor and aerosol.

4-tert-butylphenol (CAS 98-54-4)	TWA	0,5 mg/m3	Vapor and aerosol.
		0,08 ppm	Vapor and aerosol.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 µm] (CAS 13463-67-7)	TWA	0,3 mg/m3	Respirable fraction.
Triethylolamine (CAS 102-71-6)	TWA	1 mg/m3	Inhalable fraction.
TD00 000 11 10101		_	
Germany. TRGS 900, Limit values	in the Ambient Air at the Workp	lace	
•	in the Ambient Air at the Workp Type	lace Value	Form
Components 4-tert-butylphenol (CAS			Form Vapor and aerosol.
Components 4-tert-butylphenol (CAS	Туре	Value	-
Germany. TRGS 900, Limit Values Components 4-tert-butylphenol (CAS 98-54-4) piperazine [liquid] (CAS 110-85-0)	Туре	Value 0,5 mg/m3	Vapor and aerosol.

µm] (ČAS 13463-67-7)

Components	Туре	Value	Form
		1,25 mg/m3	Respirable fraction
Triethylolamine (CAS 102-71-6)	AGW	1 mg/m3	Inhalable fraction.
Greece. OELs, Presidential Decre	e No. 307/1986, as amended		
Components	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
		1 ppm	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	Vapor and dust.
	TWA	0,1 mg/m3	Vapor and dust.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Inhalable

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

Components	Гуре	value	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	8 mg/m3	
	TWA	4 mg/m3	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	

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

Components	Туре	Value	
1,3-Benzenedimethanamin e (CAS 1477-55-0)	STEL	0,1 mg/m3	
		0,02 ppm	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,5 mg/m3	
		1 ppm	
4-tert-butylphenol (CAS 98-54-4)	TWA	0,5 mg/m3	
		0,08 ppm	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	6 mg/m3	
Triethylolamine (CAS 102-71-6)	TWA	5 mg/m3	

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

Components	Туре	Value Form	
1,3-Benzenedimethanamin e (CAS 1477-55-0)	TWA	0,1 mg/m3	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
		1 ppm	

Components	Туре	Value	Form
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 µm] (CAS 13463-67-7)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
Triethylolamine (CAS 102-71-6)	TWA	5 mg/m3	
Italy. OELs (Legislative Decree n.8	31, 9 April 2008), as amended		
Components	Туре	Value	Form
1,3-Benzenedimethanamin e (CAS 1477-55-0)	Ceiling	0,018 ppm	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	1 ppm	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	Vapor and dust.
	TWA	0,1 mg/m3	Vapor and dust.
titanium dioxide [in powder form containing 1 % or more of particles with	TWA	2,5 mg/m3	Respirable finescale particles

aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)			
		0,2 mg/m3	Respirable nanoscale particles
Triethylolamine (CAS 102-71-6)	TWA	5 mg/m3	

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

Components	Туре	Value	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	

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

Components	Туре	Value	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	10 mg/m3	
		2 ppm	
	TWA	4,5 mg/m3	
		1 ppm	
piperazine [liquid] (CAS 110-85-0)	TWA	0,1 mg/m3	
		0,3 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	5 mg/m3	
Triethylolamine (CAS 102-71-6)	STEL	10 mg/m3	

V-824/A1-389), as amended Components	Tuno	Value	
	Туре		
	TWA	5 mg/m3	
Luxembourg. OELs. Binding Occu n ° 235/2016, as amended	upational Exposure Limit Value	es (Annex I), G.D.R. of 14 No	vember 2016, OJ Memorial A
Components	Туре	Value	Form
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	Vapor and dust.
	TWA	0,1 mg/m3	Vapor and dust.
Malta. OELs. Protection of Health Schedules I and V), as amended	and Safety of Workers from R	isks related to Chemical Age	nts at Work (L.N 227/2003
Components	Туре	Value	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	
Netherlands. OELs per Annex XIII amended	of Working Conditions Regula	ation (Staatscourant no. 252,	29 December 2006), as
Components	Туре	Value	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	
Norway. Regulation No. 1358 on M Infection Groups for Biological Fa		Physical and Chemical Facto	ors in Work Environment and
Components	Туре	Value	
1,3-Benzenedimethanamin e (CAS 1477-55-0)	Ceiling	0,1 mg/m3	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TLV	4 mg/m3	
		1 ppm	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TLV	0,1 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10	TLV	5 mg/m3	

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

5 mg/m3

TLV

Components	Туре	Value Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	12 mg/m3
	TWA	4 mg/m3
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3
	TWA	0,1 mg/m3
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	STEL	30 mg/m3
	TWA	10 mg/m3 Inhalable fraction.

μm] (ĆAS 13463-67-7) Triethylolamine (CAS

102-71-6)

Portugal. Decree-Law No. 24/2012, Occupational Exposure Limit Values, Annex II, as amended			
Components	Туре	Value	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	
Portugal. VLEs. Norm on occupati	onal exposure to chemical ag	ents (NP 1796-2014)	
Components	Туре	Value	Form
1,3-Benzenedimethanamin e (CAS 1477-55-0)	Ceiling	0,1 mg/m3	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	1 ppm	
piperazine [liquid] (CAS 110-85-0)	TWA	0,03 ppm	Inhalable fraction and vapor.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 µm] (CAS 13463-67-7)	TWA	10 mg/m3	
Triethylolamine (CAS 102-71-6)	TWA	5 mg/m3	

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

Components	Туре	Value	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	4 mg/m3	
		1 ppm	
	TWA	2 mg/m3	
		0,5 ppm	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	STEL	15 mg/m3	
	TWA	10 mg/m3	

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

Components	Туре	Value	
4-tert-butylphenol (CAS 98-54-4)	TWA	0,5 mg/m3	
		0,08 ppm	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	
	TWA	0,1 mg/m3	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 µm] (CAS 13463-67-7)	TWA	5 mg/m3	

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	Туре	Value Form
4-tert-butylphenol (CAS 98-54-4)	TWA	0,5 mg/m3
		0,08 ppm
piperazine [liquid] (CAS 110-85-0)	TWA	0,1 mg/m3

Components	Туре	Value	Form
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.

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

Components	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4,3 mg/m3	
		1 ppm	
piperazine [liquid] (CAS 110-85-0)	STEL	0,3 mg/m3	Inhalable fraction and vapor.
	TWA	0,1 mg/m3	Inhalable fraction and vapor.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	
Triethylolamine (CAS 102-71-6)	TWA	5 mg/m3	

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

Components	Туре	Value	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	STEL	10 mg/m3	
		2 ppm	
	TWA	4,5 mg/m3	
		1 ppm	
piperazine [liquid] (CAS 110-85-0)	Ceiling	0,3 mg/m3	
		0,08 ppm	
	TWA	0,1 mg/m3	
		0,03 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 µm] (CAS 13463-67-7)	TWA	5 mg/m3	Total dust.
Triethylolamine (CAS 102-71-6)	STEL	10 mg/m3	
		1,6 ppm	
	TWA	5 mg/m3	
		0,8 ppm	
Switzerland. SUVA Grenzwerte an	n Arbeitsplatz: Aktuelle MAK-Werte	Value	Form

Components	Туре	Value	Form
1,3-Benzenedimethanamin e (CAS 1477-55-0)	TWA	0,1 mg/m3	
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)	TWA	4 mg/m3	
		1 ppm	
4-tert-butylphenol (CAS 98-54-4)	STEL	1 mg/m3	Vapor and aerosol.

Switzerland, SUVA Grenzwerte am Arbeitsplatz: Aktuelle MAK-Werte

Components		Туре		Va	lue	Form
				0,1	6 ppm	Vapor and aerosol.
		TWA		0,5	5 mg/m3	Vapor and aerosol.
				0,0)8 ppm	Vapor and aerosol.
titanium dioxide [in powde form containing 1 % or more of particles with aerodynamic diameter \leq 1 µm] (CAS 13463-67-7)		TWA		3 r	ng/m3	Respirable dust.
Triethylolamine (CAS 102-71-6)		STEL		5 r	ng/m3	Inhalable fraction.
102-11-0)		TWA		5 r	ng/m3	Inhalable fraction.
UK. OELs. Workplace Ex Components	ແposure Limits (W	/ELs) (E Type	EH40/2005 (Fourtl		, Table 1 lue	Form
2,2'-iminodiethylamine; diethylenetriamine (CAS 111-40-0)		TWA		4,3	8 mg/m3	
					pm	
piperazine [liquid] (CAS 110-85-0)		STEL		0,3	8 mg/m3	
		TWA		0,1	mg/m3	
titanium dioxide [in powde form containing 1 % or more of particles with aerodynamic diameter \leq 1 µm] (CAS 13463-67-7)		TWA		4 r	ng/m3	Respirable.
]]()				10	mg/m3	Inhalable
EU. Indicative Exposure Components piperazine [liquid] (CAS	Limit Values in D	irective Type STEL	es 91/322/EEC, 20	Va	15/EC, 2009 lue 3 mg/m3	/161/EU, 2017/164/EU
110-85-0)		TWA		0,1	mg/m3	
ogical limit values Croatia. BELs (BGV). Re BELs, Annex IV (NN 91/2 Components			f Workers agains Determinant	t Exposure to D Specimen)angerous C Sampling	hemicals at Work, OELs Time
4-tert-butylphenol (CAS 98-54-4)	2 mg/l		PTBP	Urine	*	
	13,3 umol/l		PTBP	Urine	*	
* - For sampling details, p	ease see the sour	ce docu	ment.			
Germany. TRGS 903, BA	T List (Biological	Limit \	/alues)			
				Specimen	Sampling	Time
	Value		Determinant	opecimen		
Components 4-tert-butylphenol (CAS	Value 2 mg/l		Determinant PTBP (nach Hydrolyse)	Urine	*	
Components 4-tert-butylphenol (CAS 98-54-4)	2 mg/l	ce docu	PTBP (nach Hydrolyse)	•	*	
Components 4-tert-butylphenol (CAS 98-54-4) * - For sampling details, pl Slovakia. BLVs (Biologic agents, Annex 2	2 mg/l lease see the sourc cal Limit Value). R		PTBP (nach Hydrolyse) ment. on no. 355/2006 o	Urine	*	orkers exposed to chemic
Components 4-tert-butylphenol (CAS 98-54-4) * - For sampling details, pi Slovakia. BLVs (Biologic agents, Annex 2 Components	2 mg/l lease see the sourc cal Limit Value). R Value		PTBP (nach Hydrolyse) ment. on no. 355/2006 o Determinant	Urine concerning prof	tection of wo	-
Components 4-tert-butylphenol (CAS 98-54-4) * - For sampling details, pl Slovakia. BLVs (Biologic agents, Annex 2	2 mg/l lease see the sourc cal Limit Value). R Value 1,36 mg/g		PTBP (nach Hydrolyse) ment. on no. 355/2006 o Determinant p-tert-butylphe nol	Urine concerning prof Specimen Creatinine in urine	tection of wo	-
Components 4-tert-butylphenol (CAS 98-54-4) * - For sampling details, p Slovakia. BLVs (Biologic agents, Annex 2 Components 4-tert-butylphenol (CAS 98-54-4)	2 mg/l lease see the sourc cal Limit Value). R Value 1,36 mg/g 2 mg/l	egulati	PTBP (nach Hydrolyse) ment. on no. 355/2006 o Determinant p-tert-butylphe nol p-tert-butylphe nol	Urine concerning prof Specimen Creatinine in	tection of wo	-
Components 4-tert-butylphenol (CAS 98-54-4) * - For sampling details, p Slovakia. BLVs (Biologic agents, Annex 2 Components 4-tert-butylphenol (CAS 98-54-4) * - For sampling details, p	2 mg/l lease see the sourc cal Limit Value). R Value 1,36 mg/g 2 mg/l lease see the sourc	ce docu	PTBP (nach Hydrolyse) ment. on no. 355/2006 o Determinant p-tert-butylphe nol p-tert-butylphe nol ment.	Urine Creatinine in Urine Urine	tection of wo	-
Components 4-tert-butylphenol (CAS 98-54-4) * - For sampling details, p Slovakia. BLVs (Biologic agents, Annex 2 Components 4-tert-butylphenol (CAS 98-54-4)	2 mg/l lease see the sourc cal Limit Value). R Value 1,36 mg/g 2 mg/l lease see the sourc	ce docu	PTBP (nach Hydrolyse) ment. on no. 355/2006 o Determinant p-tert-butylphe nol p-tert-butylphe nol ment.	Urine Creatinine in Urine Urine	tection of wo	Time

Components	value	Determinant	Specimen	Sampling Time
4-tert-butylphenol (CAS 98-54-4)	2 mg/l	p-tert-Butylphe nol	Urine	*
* Eau a succellus a state its rate				

- 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		
Austria MAK: Skin designati	on	
4-tert-butylphenol (CAS 98 Belgium OELs: Skin designa	,	Can be absorbed through the skin.
1,3-Benzenedimethanami 2,2'-iminodiethylamine; die (CAS 111-40-0)	ethylenetriamine	Can be absorbed through the skin. Can be absorbed through the skin.
Cyprus OEL: Skin designation		
2,2'-iminodiethylamine; die (CAS 111-40-0)	-	Can be absorbed through the skin.
Czech Republic PELs: Skin o		
Triethylolamine (CAS 102- Denmark GV: Skin designation	on	Can be absorbed through the skin.
1,3-Benzenedimethanami 2,2'-iminodiethylamine; die (CAS 111-40-0)		Can be absorbed through the skin. Can be absorbed through the skin.
4-tert-butylphenol (CAS 98 Estonia OELs: Skin designat		Can be absorbed through the skin.
2,2'-iminodiethylamine; die (CAS 111-40-0) Finland Exposure Limit Valu	-	Can be absorbed through the skin.
1,3-Benzenedimethanami	-	Can be absorbed through the skin.
2,2'-iminodiethylamine; die (CAS 111-40-0) Germany DFG MAK (advisor	ethylenetriamine	Can be absorbed through the skin.
4-tert-butylphenol (CAS 98	-	Can be absorbed through the skin.
Germany TRGS 900 Limit Va	lues: Skin designation	-
4-tert-butylphenol (CAS 98 Greece OEL: Skin designatio	on (Can be absorbed through the skin.
2,2'-iminodiethylamine; die (CAS 111-40-0) Hungary OELs: Skin designa	-	Can be absorbed through the skin.
2,2'-iminodiethylamine; die (CAS 111-40-0)		Can be absorbed through the skin.
Iceland OELs: Skin designat	ion	
1,3-Benzenedimethanami 2,2'-iminodiethylamine; die (CAS 111-40-0)		Can be absorbed through the skin. Can be absorbed through the skin.
4-tert-butylphenol (CAS 98 Ireland Exposure Limit Value		Can be absorbed through the skin.
2,2'-iminodiethylamine; die (CAS 111-40-0) Italy OELs: Skin designation	ethylenetriamine	Can be absorbed through the skin.
1,3-Benzenedimethanami 2,2'-iminodiethylamine; die (CAS 111-40-0)	ne (CAS 1477-55-0)	Danger of cutaneous absorption Danger of cutaneous absorption
Lithuania OELs: Skin design	ation	
2,2'-iminodiethylamine; die (CAS 111-40-0)	-	Can be absorbed through the skin.
Norway Exposure Limit Valu 2,2'-iminodiethylamine; die (CAS 111-40-0)	-	Can be absorbed through the skin.
· · · · · · · · · · · · · · · · · · ·	upatioinal Exposure: Skin des	ignation
1,3-Benzenedimethanami 2,2'-iminodiethylamine; die (CAS 111-40-0)	ne (CAS 1477-55-0)	Can be absorbed through the skin. Can be absorbed through the skin.

Romania OELs: Skin desi	gnation	
2,2'-iminodiethylamine; (CAS 111-40-0)		Can be absorbed through the skin.
,		workers against risks due to exposure to chemicals while working
4-tert-butylphenol (CAS	98-54-4)	Can be absorbed through the skin.
Spain OELs: Skin designa	tion	
2,2'-iminodiethylamine; (CAS 111-40-0)	-	Can be absorbed through the skin.
Sweden Threshold Limit V		
2,2'-iminodiethylamine; (CAS 111-40-0)	-	Can be absorbed through the skin.
Triethylolamine (CAS 1		Can be absorbed through the skin.
	alues at the Workplace: Skin	-
1,3-Benzenedimethana 2,2'-iminodiethylamine; (CAS 111-40-0)		Can be absorbed through the skin. Can be absorbed through the skin.
UK EH40 WEL: Skin desig	nation	
2,2'-iminodiethylamine; (CAS 111-40-0)		Can be absorbed through the skin.
8.2. Exposure controls		
Appropriate engineering controls	applicable, use process en maintain airborne levels be established, maintain airbo	hould be used. Ventilation rates should be matched to conditions. If iclosures, local exhaust ventilation, or other engineering controls to show recommended exposure limits. If exposure limits have not been orne levels to an acceptable level. Eye wash facilities and emergency when handling this product.
Individual protection measure	s. such as personal protectiv	/e equipment
General information	Use personal protective eq	uipment as required. Personal protection equipment should be chosen dards and in discussion with the supplier of the personal protective
Eye/face protection	Chemical respirator with or	rganic vapor cartridge and full facepiece.
Skin protection		
- Hand protection	Wear appropriate chemical	l resistant gloves.
- Other	Wear appropriate chemical	I resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	Chemical respirator with or	rganic vapor cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal p	protective clothing, when necessary.
Hygiene measures	good personal hygiene me drinking, and/or smoking.	eillance requirements. Keep away from food and drink. Always observe asures, such as washing after handling the material and before eating, Routinely wash work clothing and protective equipment to remove ed work clothing should not be allowed out of the workplace.
Environmental exposure controls	from ventilation or work pro requirements of environme	erial or supervisory personnel of all environmental releases. Emissions becess equipment should be checked to ensure they comply with the ental protection legislation. Fume scrubbers, filters or engineering as equipment may be necessary to reduce emissions to acceptable
SECTION 9: Physical an		

SECTION 9: Physical and chemical properties

9.1. Information on basic physica	al and chemical properties
Physical state	Liquid.
Form	Liquid.
Color	Amber.
Odor	Ammoniacal. fishy
Melting point/freezing point	-38,2 °F (-39 °C) estimated
Boiling point or initial boiling point and boiling range	525,2 °F (274 °C) estimated
Flammability	Not applicable.
Flash point	212,0 °F (100,0 °C) estimated
Auto-ignition temperature	750,02 °F (398,9 °C) estimated
Decomposition temperature	Not available.
рН	Not available.
Kinematic viscosity	Not available.

Solubility		
Solubility (water)	Not available.	
Partition coefficient (n-octanol/water) (log value)	Not available.	
Vapor pressure	0,15 hPa estimated	
Density and/or relative density Density	1,01 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 ava	ailable.
9.2.2. Other safety characteristi	cs	
Specific gravity	1,01 estimated	
voc	0,3 % estimated	
SECTION 10: Stability an	d reactivity	
10.1. Reactivity	-	e under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal condition	-
10.3. Possibility of hazardous reactions	No dangerous reaction known under	
10.4. Conditions to avoid	Contact with incompatible materials.	
10.5. Incompatible materials	Strong acids. Alkaline metals.	
10.6. Hazardous decomposition products	No hazardous decomposition product	s are known.
SECTION 11: Toxicologic	al information	
General information		nce or mixture may cause adverse effects.
Information on likely routes of e		
Inhalation	-	system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns. May cause	e an allergic skin reaction.
Eye contact	Causes serious eye damage.	5
Ingestion	Causes digestive tract burns. Harmfu	l if swallowed
Symptoms	Burning pain and severe corrosive sk	in damage. Causes serious eye damage. Symptoms may elling, and blurred vision. Permanent eye damage including
11.1. Information on hazard clas	sses as defined in Regulation (EC) No	0 1272/2008
Acute toxicity	Harmful if swallowed.	
Components	Species	Test Results
piperazine [liquid] (CAS 110-85-0	•	
Acute		
Oral		
LD50	Rat	2050 mg/kg
titanium dioxide [in powder form c <u>Acute</u>	ontaining 1 % or more of particles with a	aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)
Dermal		
LD50	Hamster	>= 10000 mg/kg
Oral		
LD50	Rat	> 10000 mg/kg
Triethylolamine (CAS 102-71-6) <u>Acute</u>		
Dermal		
LD50	Rabbit	> 20000 mg/kg
Oral		
LD50	Rat	8 g/kg

Skin corrosion/irritation	Causes severe skin burns and	eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.	
Respiratory sensitization	Due to partial or complete lack	of data the classification is not possible.
Skin sensitization	May cause an allergic skin rea	ction.
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 Ordir (as amended)	nance on protection against a	nd preventing risk relating to exposure to carcinogens at work
		f particles with aerodynamic diameter \leq 10 µm] (CAS 13463-67-7)
titanium dioxide [in powde of particles with aerodyna (CAS 13463-67-7)	er form containing 1 % or more mic diameter ≤ 10 μm]	2B Possibly carcinogenic to humans.
Triethylolamine (CAS 102	-71-6)	3 Not classifiable as to carcinogenicity to humans.
Reproductive toxicity	Suspected of damaging fertility	/ or the unborn child.
Slovenia. OELs. Regulations (Official Gazette of the Repu		rkers against risks due to exposure to chemicals while working
4-tert-butylphenol (CAS 9 piperazine [liquid] (CAS 1		Toxic for reproduction - category 2. Toxic for reproduction - category 2.
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 hazar	ds	
11.2. Information on other hazar Endocrine disrupting properties	This mixture does not contain to human health as assessed	any substances having endocrine disrupting properties with respect in accordance with the criteria set out in Regulations (EC) No 0 and (EU) 2018/605, at a concentration equal to or greater than
Endocrine disrupting	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210	in accordance with the criteria set out in Regulations (EC) No
Endocrine disrupting properties	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210 0.1% by weight. Not available.	in accordance with the criteria set out in Regulations (EC) No
Endocrine disrupting properties Other information	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210 0.1% by weight. Not available. Information Harmful to aquatic life with lon	in accordance with the criteria set out in Regulations (EC) No 0 and (EU) 2018/605, at a concentration equal to or greater than g lasting effects. Based on available data, the classification criteria
Endocrine disrupting properties Other information SECTION 12: Ecological in	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210 0.1% by weight. Not available. Information Harmful to aquatic life with lon are not met for hazardous to th	in accordance with the criteria set out in Regulations (EC) No 0 and (EU) 2018/605, at a concentration equal to or greater than
Endocrine disrupting properties Other information SECTION 12: Ecological in 12.1. Toxicity 12.2. Persistence and	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210 0.1% by weight. Not available. Information Harmful to aquatic life with lon are not met for hazardous to th	in accordance with the criteria set out in Regulations (EC) No 0 and (EU) 2018/605, at a concentration equal to or greater than g lasting effects. Based on available data, the classification criteria ne aquatic environment, acute hazard.
Endocrine disrupting properties Other information SECTION 12: Ecological in 12.1. Toxicity 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) 2-piperazin-1-ylethylamine piperazine [liquid]	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210 0.1% by weight. Not available. Information Harmful to aquatic life with lon are not met for hazardous to th	in accordance with the criteria set out in Regulations (EC) No 0 and (EU) 2018/605, at a concentration equal to or greater than g lasting effects. Based on available data, the classification criteria ne aquatic environment, acute hazard.
Endocrine disrupting properties Other information SECTION 12: Ecological in 12.1. Toxicity 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) 2-piperazin-1-ylethylamine piperazine [liquid] Triethylolamine	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210 0.1% by weight. Not available. Information Harmful to aquatic life with lon are not met for hazardous to th	 in accordance with the criteria set out in Regulations (EC) No 0 and (EU) 2018/605, at a concentration equal to or greater than g lasting effects. Based on available data, the classification criteria he aquatic environment, acute hazard. gradability of any ingredients in the mixture. -1,57 -1,5
Endocrine disrupting properties Other information SECTION 12: Ecological in 12.1. Toxicity 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) 2-piperazin-1-ylethylamine piperazine [liquid] Triethylolamine Bioconcentration factor (BCF)	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210 0.1% by weight. Not available. Information Harmful to aquatic life with lon are not met for hazardous to th No data is available on the der	 in accordance with the criteria set out in Regulations (EC) No 0 and (EU) 2018/605, at a concentration equal to or greater than g lasting effects. Based on available data, the classification criteria he aquatic environment, acute hazard. gradability of any ingredients in the mixture. -1,57 -1,5
Endocrine disrupting properties Other information SECTION 12: Ecological in 12.1. Toxicity 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) 2-piperazin-1-ylethylamine piperazine [liquid] Triethylolamine	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210 0.1% by weight. Not available. Information Harmful to aquatic life with lon are not met for hazardous to th No data is available on the deal Not available. No data available.	 in accordance with the criteria set out in Regulations (EC) No 0 and (EU) 2018/605, at a concentration equal to or greater than g lasting effects. Based on available data, the classification criteria he aquatic environment, acute hazard. gradability of any ingredients in the mixture. -1,57 -1 substances assessed to be vPvB / PBT according to Regulation
Endocrine disrupting properties Other information SECTION 12: Ecological in 12.1. Toxicity 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) 2-piperazin-1-ylethylamine piperazine [liquid] Triethylolamine Bioconcentration factor (BCF) 12.4. Mobility in soil 12.5. Results of PBT and vPvB	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210 0.1% by weight. Not available. Information Harmful to aquatic life with lon are not met for hazardous to th No data is available on the dea Not available. No data available. This mixture does not contain (EC) No 1907/2006, Annex XII This mixture does not contain to the environment as assessed	 in accordance with the criteria set out in Regulations (EC) No 0 and (EU) 2018/605, at a concentration equal to or greater than g lasting effects. Based on available data, the classification criteria he aquatic environment, acute hazard. gradability of any ingredients in the mixture. -1,57 -1 substances assessed to be vPvB / PBT according to Regulation
Endocrine disrupting properties Other information SECTION 12: Ecological in 12.1. Toxicity 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) 2-piperazin-1-ylethylamine piperazine [liquid] Triethylolamine Bioconcentration factor (BCF) 12.4. Mobility in soil 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting	This mixture does not contain to human health as assessed 1907/2006, (EU) No 2017/210 0.1% by weight. Not available. Information Harmful to aquatic life with lon are not met for hazardous to th No data is available on the dea No data is available on the dea No data available. This mixture does not contain (EC) No 1907/2006, Annex XI This mixture does not contain to the environment as assesses 1907/2006, (EU) No 2017/210 0.1% by weight. No other adverse environment	 in accordance with the criteria set out in Regulations (EC) No 0 and (EU) 2018/605, at a concentration equal to or greater than g lasting effects. Based on available data, the classification criteria ne aquatic environment, acute hazard. gradability of any ingredients in the mixture. -1,57 -1,5 -1 substances assessed to be vPvB / PBT according to Regulation II. any substances having endocrine disrupting properties with respect ed in accordance with the criteria set out in Regulations (EC) No

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. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

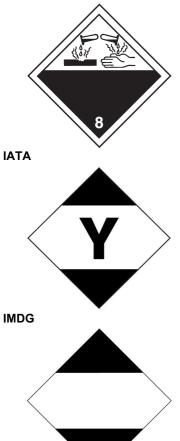
SECTION 14: Transport information

ADR

AD	ĸ	
	14.1. UN number	UN3267
	14.2. UN proper shipping	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1,3-Benzenedimethanamine,
	name	4-tert-butylphenol)
	14.3. Transport hazard class	(es)
	Class	8
	Subsidiary risk	
	Label(s)	8
	Hazard No. (ADR)	80
	Tunnel restriction code	E
	14.4. Packing group	
	14.5. Environmental hazards	No.
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
	for user	
RID)	
	14.1. UN number	UN3267
	14.2. UN proper shipping	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1,3-Benzenedimethanamine,
	name	4-tert-butylphenol)
	14.3. Transport hazard class	(es)
	Class	8
	Subsidiary risk	-
	Label(s)	8
	14.4. Packing group	
	14.5. Environmental hazards	No.
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
	for user	
AD	N	
	14.1. UN number	UN3267
	14.2. UN proper shipping	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1,3-Benzenedimethanamine,
	name	4-tert-butylphenol)
	14.3. Transport hazard class	(es)
	Class	8
	Subsidiary risk	-
	Label(s)	8
	14.4. Packing group	
	14.5. Environmental hazards	No.
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
	for user	
IAT	A	
	14.1. UN number	UN3267
	14.2. UN proper shipping	Corrosive liquid, basic, organic, n.o.s. (1,3-Benzenedimethanamine, 4-tert-butylphenol), Limited
	name	Quantity
	14.3. Transport hazard class	(es)
	Class	8
	Subsidiary risk	-
	14.4. Packing group	
	14.5. Environmental hazards	No.
	ERG Code	8L
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
	for user	

Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
14.1. UN number	UN3267
14.2. UN proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1,3-Benzenedimethanamine, 4-tert-butylphenol), Limited Quantity
14.3. Transport hazard class	(es)
Class	8
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	
Marine pollutant	No.
EmS	F-A, S-B
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Maritime transport in bulk according to IMO instruments	Not established.

ADN; ADR; RID



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

titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 µm] (CAS 13463-67-7) Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

4-tert-butylphenol (CAS 98-54-4)

UFI:

Austria: 7M30-30T6-E00J-M3KD Belgium: 7M30-30T6-E00J-M3KD Bulgaria: 7M30-30T6-E00J-M3KD Croatia: 7M30-30T6-E00J-M3KD Cyprus: 7M30-30T6-E00J-M3KD Czech Republic: 7M30-30T6-E00J-M3KD Denmark: 7M30-30T6-E00J-M3KD Estonia: 7M30-30T6-E00J-M3KD EU: 7M30-30T6-E00J-M3KD Finland: 7M30-30T6-E00J-M3KD France: 7M30-30T6-E00J-M3KD Germany: 7M30-30T6-E00J-M3KD Greece: 7M30-30T6-E00J-M3KD Hungary: 7M30-30T6-E00J-M3KD Iceland: 7M30-30T6-E00J-M3KD Ireland: 7M30-30T6-E00J-M3KD Italy: 7M30-30T6-E00J-M3KD Latvia: 7M30-30T6-E00J-M3KD Lithuania: 7M30-30T6-E00J-M3KD Luxembourg: 7M30-30T6-E00J-M3KD Malta: 7M30-30T6-E00J-M3KD Netherlands: 7M30-30T6-E00J-M3KD Norway: 7M30-30T6-E00J-M3KD Poland: 7M30-30T6-E00J-M3KD Portugal: 7M30-30T6-E00J-M3KD Romania: 7M30-30T6-E00J-M3KD Slovakia: 7M30-30T6-E00J-M3KD Slovenia: 7M30-30T6-E00J-M3KD Spain: 7M30-30T6-E00J-M3KD Sweden: 7M30-30T6-E00J-M3KD

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

Not listed.

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

4-tert-butylphenol (CAS 98-54-4) piperazine [liquid] (CAS 110-85-0)

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

titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] Gipsfasernund Wollastonitfasern) (CAS 13463-67-7)

France regulations

France INRS Table of Occupational Diseases

Not regulated.

Product registration number

r roudot rogiotration number	
Austria	UFI: 7M30-30T6-E00J-M3KD
Belgium	UFI: 7M30-30T6-E00J-M3KD
Czech Republic	UFI: 7M30-30T6-E00J-M3KD
Denmark	UFI: 7M30-30T6-E00J-M3KD
European Union	UFI: 7M30-30T6-E00J-M3KD
Finland	UFI: 7M30-30T6-E00J-M3KD
France	UFI: 7M30-30T6-E00J-M3KD
Germany	UFI: 7M30-30T6-E00J-M3KD
Greece	UFI: 7M30-30T6-E00J-M3KD
Hungary	UFI: 7M30-30T6-E00J-M3KD
Italy	UFI: 7M30-30T6-E00J-M3KD
Netherlands	UFI: 7M30-30T6-E00J-M3KD
Norway	UFI: 7M30-30T6-E00J-M3KD
Poland	UFI: 7M30-30T6-E00J-M3KD
Portugal	UFI: 7M30-30T6-E00J-M3KD
Slovakia	UFI: 7M30-30T6-E00J-M3KD
Slovenia	UFI: 7M30-30T6-E00J-M3KD
Spain	UFI: 7M30-30T6-E00J-M3KD
Sweden	UFI: 7M30-30T6-E00J-M3KD
Switzerland	UFI: 7M30-30T6-E00J-M3KD
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

W AI A C. C I I A IB C I I M M M M M M M M M V I V I V I V I V	DN: European Agreement concerning the International Carriage of Dangerous Goods by Inland /aterways. DR: Agreement concerning the International Carriage of Dangerous Goods by Road. GW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany). AS: Chemical Abstract Service. EN: European Committee for Standardization. ATA: International Air Transport Association. Code: International Code for the Construction and Equipment of Ships Carrying Dangerous hemicals in Bulk. MDG: International Maritime Dangerous Goods. IAC: Maximum Allowed Concentration. IARPOL: International Convention for the Prevention of Pollution from Ships. BT: Persistent, bioaccumulative and toxic. ID: Regulations concerning the International Carriage of Dangerous Goods by Rail. TEL: Short term exposure limit. LV: Threshold Limit Value. WA: Time Weighted Average. LE: Exposure Limit Value. ME: Exposure Average Value. PVB: Very persistent and very bioaccumulative.
	ot available.
	he classification for health and environmental hazards is derived by a combination of calculation ethods and test data, if available.
Full text of any statements,	
which are not written out in full under sections 2 to 15	302 Harmful if swallowed.
	312 Harmful in contact with skin.
	314 Causes severe skin burns and eye damage.
	315 Causes skin irritation.
	317 May cause an allergic skin reaction. 318 Causes serious eye damage.
	319 Causes serious eye irritation.
	334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	351 Suspected of causing cancer.
	361f Suspected of damaging fertility. 361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
	410 Very toxic to aquatic life with long lasting effects.
	411 Toxic to aquatic life with long lasting effects.
	411 TOXIC to aquatic life with long lasting effects.
11	412 Harmful to aquatic life with long lasting effects.

Training information Disclaimer Follow training instructions when handling this material.

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.