## SAFETY DATA SHEET

Version #: 01 Issue date: 07-25-2023

1.1. Product identifier         Trade name or designation       Wear Resistant Liquid (WR) Resin         of the mixture
Registration number -
Synonyms None.
<b>SKU#</b> X0012
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
Supplier
Company nameITW Performance PolymersAddressBay 150Shannon Industrial EstateCo. Clare, Ireland
Division
Telephone     Phone     353(61)771500
e-mail customerservice.shannon@itwpp.com Contact person Not available.
1.4. Emergency telephoneEmergency Number44(0)1235 239 670
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 Poisons Control Center070 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.)
<b>Cyprus Poison Center</b> 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 Poisons Information Center16662 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.)

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 aid113Latvia Poison and Drug Information Center+371 67042473 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)Natia Accident and Emergency Department+371 67042473 (Available 24 hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)Natta Accident and Emergency Department+371 088753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)Notherlands 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 Center22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)Stotakia National Toxicological Information Information Service021.318.36.06 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)Stotakia National Toxicological Information Information Service021.318.36.06 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)Sweden Nat		
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## **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.
Skin sensitization	Category 1	H317 - May cause an allergic skin reaction.
Environmental hazards Hazardous to the aquatic environment, long-term aquatic hazard	Category 2	H411 - Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Austria: 8A20-H0F7-U003-PYUE Belgium: 8A20-H0F7-U003-PYUE Bulgaria: 8A20-H0F7-U003-PYUE Croatia: 8A20-H0F7-U003-PYUE Cyprus: 8A20-H0F7-U003-PYUE Czech Republic: 8A20-H0F7-U003-PYUE Denmark: 8A20-H0F7-U003-PYUE Estonia: 8A20-H0F7-U003-PYUE EU: 8A20-H0F7-U003-PYUE Finland: 8A20-H0F7-U003-PYUE France: 8A20-H0F7-U003-PYUE Germany: 8A20-H0F7-U003-PYUE Greece: 8A20-H0F7-U003-PYUE Hungary: 8A20-H0F7-U003-PYUE Iceland: 8A20-H0F7-U003-PYUE Ireland: 8A20-H0F7-U003-PYUE Italy: 8A20-H0F7-U003-PYUE Latvia: 8A20-H0F7-U003-PYUE Lithuania: 8A20-H0F7-U003-PYUE Luxembourg: 8A20-H0F7-U003-PYUE Malta: 8A20-H0F7-U003-PYUE Netherlands: 8A20-H0F7-U003-PYUE Norway: 8A20-H0F7-U003-PYUE Poland: 8A20-H0F7-U003-PYUE Portugal: 8A20-H0F7-U003-PYUE Romania: 8A20-H0F7-U003-PYUE Slovakia: 8A20-H0F7-U003-PYUE Slovenia: 8A20-H0F7-U003-PYUE Spain: 8A20-H0F7-U003-PYUE Sweden: 8A20-H0F7-U003-PYUE

Contains:

Quartz, reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight  $\leq$  700), titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq$  10 µm]



Signal word

#### Hazard statements

Hazard pictograms

H315 H317 H319 H411 Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

#### **Precautionary statements**

Prevention	
P261	Avoid breathing mist/vapors.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear eye protection/face protection.
P280	Wear protective gloves.
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.
P333 + P313	If skin irritation or rash 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.
P391	Collect spillage.
Storage	Not available.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	45% of the mixture consists of component(s) of unknown acute inhalation toxicity. 48% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 3% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

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.

			al to or greater than	0.1% by weight.		
SECTION 3: Composition	/inforn	nation or	n ingredients			
3.2. Mixtures						
General information						
Chemical name		%		REACH Registration No.	Index No.	Notes
reaction product: bisphenol-A-(epichlorhydrin); resin (number average molect weight ≤ 700)		30-60%	25068-38-6 500-033-5	01-2119456619-26-0000	603-074-00-8	
		Chronic 2;	H411	319, Skin Sens. 1;H317, Aqı	uatic	
Specific Concentration	Limits	Skin Irrit. 2	2;H315: C ≥ 5 %, Eye	Irrit. 2;H319: C ≥ 5 %		
titanium dioxide [in powder for containing 1 % or more of par with aerodynamic diameter ≤	ticles 10 μm]	1-5%	13463-67-7 236-675-5	01-2119489379-17-0000	022-006-002	
Classif	ication	: Carc. 2;H3	351			
Quartz		0,10-0,99 %	14808-60-7 238-878-4	-	-	#
Classif	ication	: Carc. 1A;⊦	1350			
Other components below repo	ortable					
PBT: persistent, bioaccumulat #: This substance has been as All concentrations are in perce Composition comments	ssigned ent by w	Union work eight unless	place exposure limit(	Gas concentrations are in p	ercent by volume.	
SECTION 4: First aid mea						
General information				are of the material(s) involve ed clothing before reuse.	d, and take preca	utions to
4.1. Description of first aid meas	-			-		
Inhalation	Move	to fresh air.	Call a physician if sy	mptoms develop or persist.		
Skin contact	eczen	na or other s		iately and wash skin with sc nedical attention and take a		
Eye contact	Imme prese	diately flush nt and easy	eyes with plenty of v to do. Continue rinsi	vater for at least 15 minutes ng. Get medical attention if i	. Remove contact rritation develops	lenses, if and persists.
Ingestion	Rinse	mouth. Get	medical attention if s	symptoms occur.		
4.2. Most important symptoms and effects, both acute and delayed		. Skin irritati		nclude stinging, tearing, red ss and pain. May cause an		
4.3. Indication of any immediate medical attention and special treatment needed		le general s toms may b		and treat symptomatically. K	eep victim under	observation.
SECTION 5: Firefighting n	neasu	res				
General fire hazards	No un	usual fire or	r explosion hazards n	oted.		
5.1. Extinguishing media Suitable extinguishing media	Water	fog. Foam.	Dry chemical powde	r. Carbon dioxide (CO2).		
	-					

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

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

media

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.
<b>SECTION 6: Accidental re</b>	lease measures
6.1. Personal precautions, prote	ctive equipment and emergency procedures
For non-emergency personnel	Avoid breathing mist/vapors. 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. 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** For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

sections

#### **SECTION 7: Handling and storage**

7.1. Precautions for safe handling	Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
incompatibilities	Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended
	ANNEX 1, PART 1 Categories of dangerous substances Hazard categories in accordance with Regulation (EC) No 1272/2008 - E2 Hazardous to the Aquatic Environment Chronic (Lower-tier requirements = 200 tons; Upper-tier requirements = 500 tons)
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
Quartz (CAS 14808-60-7)	MAK	0,05 mg/m3	Respirable dust.
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.
Belgium. OEL. Exposure Limit Va Chemical agents, as amended	lues to Chemical Substances	at Work, Code of Well-being a	t work, Book VI, Title 1 -
Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.

Chemical agents, as amended Components	Туре	Value	Form
tanium dioxide [in powder orm containing 1 % or nore of particles with erodynamic diameter ≤ 10 m] (CAS 13463-67-7)	TWA	10 mg/m3	
Bulgaria. OEL values of carcinoge vork, Ann. 1), as amended	ens and mutagens at work (Re	g. 10/2003 on prot. from carc	inogens and mutagens at
Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction and dust
Bulgaria. OELs. Ordinance No 13 ( amended	on protection of workers agai	nst risks of exposure to chen	nical agents at work, as
Components	Туре	Value	Form
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7)	TWA	10 mg/m3	Respirable dust.
Croatia. OELs (GVI). Regulation of		st Exposure to Dangerous C	hemicals at Work, OELs ar
Biological Limit Values, Annex I (N Components	NN 91/2018), as amended Type	Value	Form
Quartz (CAS 14808-60-7)	MAC	0,1 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 a Components	atmosphere and dangerous su Type	ubstances in factories regula <sup>.</sup> Value	tion, PI 311/73, as amende
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	10 mg/m3	
Czech Republic. Occupational exp		als at work (Decree on protec	tion of health at work,
361/2007, Annex 2, Part A & Anne: Components	k 3, Part A, as amended) Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
Denmark. Work Environment Auth			-
Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TLV	0,3 mg/m3	Total
		0,1 mg/m3	Respirable.
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7)	TLV	6 mg/m3	
Estonia. OELs. Occupational Expo Components	osure Limits of Hazardous Su Type	bstances (Regulation No. 105 Value	5/2001, Annex), as amende Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Fine dust, respiratory fraction
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10$ um (CAS 13463 67 7)	TWA	5 mg/m3	

Finland. HTP-arvot, App 3., Binding Limit \ Components	Values, Social Affairs and Ministry ( Type	of Health Value	Form
Quartz (CAS 14808-60-7)	TWA	0,05 mg/m3	Respirable.
itanium dioxide [in powder orm containing 1 % or nore of particles with aerodynamic diameter ≤ 10 ım] (CAS 13463-67-7)	TWA	10 mg/m3	Dust.
France. OELs. Occupational Exposure Lin Components	nits as Prescribed by Art. R.4412-14 Type	9 of Labor Code, as Value	s amended Form
Quartz (CAS 14808-60-7)	VME	0,1 mg/m3	Respirable dust.
France. Threshold Limit Values (VLEP) for Components	Occupational Exposure to Chemic Type	als in France, INRS Value	ED 984 Form
Quartz (CAS 14808-60-7)	VME	0,1 mg/m3	Respirable fraction.
Regulatory status: Regulatory bindin	g (VRC)		
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7) <b>Regulatory status:</b> Indicative limit (VI	VME L)	10 mg/m3	
Germany. DFG MAK List (advisory OELs). n the Work Area (DFG), as updated	-		-
Components	Туре	Value	Form
itanium dioxide [in powder form containing 1 % or nore of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	0,3 mg/m3	Respirable fraction.
Germany. TRGS 900, Limit Values in the A Components	mbient Air at the Workplace Type	Value	Form
itanium dioxide [in powder orm containing 1 % or nore of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7)	AGW	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
Greece. OELs, Presidential Decree No. 307	7/1986, as amended	-	
Components	Туре	Value	Form
itanium dioxide [in powder form containing 1 % or nore of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7)	TWA	5 mg/m3	Respirable.
,		10 mg/m3	Inhalable
Hungary. OELs. Decree on protection of w Components	vorkers exposed to chemical agents Type	s (5/2020. (II.6)), Anr Value	iex 1&2, as amended Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
celand. OELs. Regulation 390/2009 on Pol			
Quartz (CAS 14808-60-7)	TWA	0,3 mg/m3	Total dust.
xualiz (UAS 14000-00-1)		0,3 mg/m3 0,1 mg/m3	
itanium dioxide [in powder form containing 1 % or more of particles with	TWA	6 mg/m3	Respirable dust.

Components	Type	Agents and Carcinogens Reg Value	ulations Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
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.
Italy. OELs (Legislative Decree n.8 Components	1, 9 April 2008), as amended Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,025 mg/m3	Respirable fraction.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)	TWA	2,5 mg/m3	Respirable finescale particles
		0,2 mg/m3	Respirable nanoscale particles
Latvia. OELs. Occupational Expos	ure Limits of Chemical Subst	ances at Workplace (Reg. No.	, 325/ 2007, L.V. 80, Annex
1), as amended Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
titanium dioxide [in powder	TWA	10 mg/m3	,
form containing $1 \%$ or more of particles with aerodynamic diameter $\le 10$ µm] (CAS 13463-67-7)			
Lithuania. OELs. Occupational Exp	oosure Limit Values for Chem	ical Substances (Hygiene Nor	m HN 23:2011; Order No.
V-824/A1-389), as amended Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.
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	
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance			l6, OJ Memorial A, n °
form containing 1 % or more of particles with aerodynamic diameter $\leq$ 10 µm] (CAS 13463-67-7)			l6, OJ Memorial A, n ° Form
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended	es Prohibited at Work (Annex	III), G.D.R. of 14 November 201	
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components	es Prohibited at Work (Annex Type TWA	III), G.D.R. of 14 November 201 Value 0,1 mg/m3	Form Respirable dust.
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components Quartz (CAS 14808-60-7) Netherlands. OELs per Annex XIII a amended	es Prohibited at Work (Annex Type TWA of Working Conditions Regula	III), G.D.R. of 14 November 201 Value 0,1 mg/m3 ation (Staatscourant no. 252, 2	Form Respirable dust. 29 December 2006), as
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components Quartz (CAS 14808-60-7) Netherlands. OELs per Annex XIII a amended Components	es Prohibited at Work (Annex Type TWA of Working Conditions Regula Type	III), G.D.R. of 14 November 201 Value 0,1 mg/m3 ation (Staatscourant no. 252, 2 Value	Form Respirable dust. 9 December 2006), as Form
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components Quartz (CAS 14808-60-7) Netherlands. OELs per Annex XIII a amended Components Quartz (CAS 14808-60-7)	es Prohibited at Work (Annex Type TWA of Working Conditions Regula Type TWA	III), G.D.R. of 14 November 201 Value 0,1 mg/m3 ation (Staatscourant no. 252, 2 Value 0,075 mg/m3	Form Respirable dust. 9 December 2006), as Form Respirable dust.
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components Quartz (CAS 14808-60-7) Netherlands. OELs per Annex XIII a amended Components	es Prohibited at Work (Annex Type TWA of Working Conditions Regula Type TWA easures and Limit Values for	III), G.D.R. of 14 November 201 Value 0,1 mg/m3 ation (Staatscourant no. 252, 2 Value 0,075 mg/m3	Form Respirable dust. 9 December 2006), as Form Respirable dust.
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components Quartz (CAS 14808-60-7) Netherlands. OELs per Annex XIII a amended Components Quartz (CAS 14808-60-7) Norway. Regulation No. 1358 on M	es Prohibited at Work (Annex Type TWA of Working Conditions Regula Type TWA easures and Limit Values for	III), G.D.R. of 14 November 201 Value 0,1 mg/m3 ation (Staatscourant no. 252, 2 Value 0,075 mg/m3	Form Respirable dust. 9 December 2006), as Form Respirable dust.
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components Quartz (CAS 14808-60-7) Netherlands. OELs per Annex XIII a amended Components Quartz (CAS 14808-60-7) Quartz (CAS 14808-60-7) Norway. Regulation No. 1358 on M Infection Groups for Biological Fac	es Prohibited at Work (Annex Type TWA of Working Conditions Regula Type TWA TWA leasures and Limit Values for ctors, as amended	III), G.D.R. of 14 November 201 Value 0,1 mg/m3 ation (Staatscourant no. 252, 2 Value 0,075 mg/m3 Physical and Chemical Factor	Form Respirable dust. 29 December 2006), as Form Respirable dust. 25 in Work Environment and
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components Quartz (CAS 14808-60-7) Netherlands. OELs per Annex XIII a amended Components Quartz (CAS 14808-60-7) Norway. Regulation No. 1358 on M Infection Groups for Biological Fac Components	es Prohibited at Work (Annex Type TWA of Working Conditions Regula Type TWA leasures and Limit Values for ctors, as amended Type	III), G.D.R. of 14 November 201 Value 0,1 mg/m3 ation (Staatscourant no. 252, 2 Value 0,075 mg/m3 Physical and Chemical Factor Value	Form Respirable dust. 9 December 2006), as Form Respirable dust. rs in Work Environment and Form
form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components Quartz (CAS 14808-60-7) Netherlands. OELs per Annex XIII a amended Components Quartz (CAS 14808-60-7) Norway. Regulation No. 1358 on M Infection Groups for Biological Fac Components	es Prohibited at Work (Annex Type TWA of Working Conditions Regula Type TWA leasures and Limit Values for ctors, as amended Type	III), G.D.R. of 14 November 201 Value 0,1 mg/m3 ation (Staatscourant no. 252, 2 Value 0,075 mg/m3 Physical and Chemical Factor Value 0,3 mg/m3	Form Respirable dust. 9 December 2006), as Form Respirable dust. rs in Work Environment and Form Total dust.
form containing 1 % or more of particles with aerodynamic diameter $\leq 10$ µm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components Quartz (CAS 14808-60-7) Netherlands. OELs per Annex XIII amended Components Quartz (CAS 14808-60-7) Norway. Regulation No. 1358 on M Infection Groups for Biological Fac Components Quartz (CAS 14808-60-7) titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10$ µm] (CAS 13463-67-7) Poland. Maximum permissible com	es Prohibited at Work (Annex Type TWA of Working Conditions Regula Type TWA easures and Limit Values for ctors, as amended Type TLV TLV	III), G.D.R. of 14 November 201 Value 0,1 mg/m3 ation (Staatscourant no. 252, 2 Value 0,075 mg/m3 Physical and Chemical Factor Value 0,3 mg/m3 0,05 mg/m3 5 mg/m3	Form Respirable dust. 9 December 2006), as Form Respirable dust. rs in Work Environment and Form Total dust. Respirable dust.
form containing 1 % or more of particles with aerodynamic diameter $\leq 10$ µm] (CAS 13463-67-7) Luxembourg. Chemical Substance 235/2016, as amended Components Quartz (CAS 14808-60-7) Netherlands. OELs per Annex XIII amended Components Quartz (CAS 14808-60-7) Norway. Regulation No. 1358 on M Infection Groups for Biological Fac Components Quartz (CAS 14808-60-7) titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10$ µm] (CAS 13463-67-7)	es Prohibited at Work (Annex Type TWA of Working Conditions Regula Type TWA easures and Limit Values for ctors, as amended Type TLV TLV	III), G.D.R. of 14 November 201 Value 0,1 mg/m3 ation (Staatscourant no. 252, 2 Value 0,075 mg/m3 Physical and Chemical Factor Value 0,3 mg/m3 0,05 mg/m3 5 mg/m3	Form Respirable dust. 9 December 2006), as Form Respirable dust. rs in Work Environment and Form Total dust. Respirable dust.

Components	Туре	Value	Form
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7)	STEL	30 mg/m3	
	TWA	10 mg/m3	Inhalable fraction.
Portugal. VLEs. Norm on occupati	onal exposure to chemical agent	s (NP 1796-2014)	
Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,025 mg/m3	Respirable fraction.
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7)	TWA	10 mg/m3	
Romania. OELs. Limit Values of C	hemical Agents at Workplace (Re	gulation 1.218/2006, M.O 8	45, Annex 1, 3&4, as
amended) Components	Туре	Value	
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 for carcinogens ar amended	nd mutagens. Regulation No. 356	/2006 on carcinogenic and	mutagenic substances,
Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.
Slovakia. OELs. Maximum permise	sible exposure limits for chemica	l factors in workplace air (	Regulation No 355/2006
Annex 1, Table 1, as amended)	_	Malaa	
Components	Туре	Value	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10	Type TWA	5 mg/m3	
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7) Slovenia. OELs. Occupational Exp	TWA bosure Limits of Chemicals at Wo	5 mg/m3	n of Workers from Risks
Components titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Slovenia. OELs. Occupational Exp due to Exp. to Chemicals at Work, Components	TWA bosure Limits of Chemicals at Wo Annex I), as amended	5 mg/m3	n of Workers from Risks Form
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Slovenia. OELs. Occupational Exp due to Exp. to Chemicals at Work,	TWA bosure Limits of Chemicals at Wo	5 mg/m3 rkplace (Reg. on Protectio	
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7) Slovenia. OELs. Occupational Exp due to Exp. to Chemicals at Work, Components itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10	TWA posure Limits of Chemicals at Wo Annex I), as amended Type	5 mg/m3 rkplace (Reg. on Protectio Value	Form
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7) Slovenia. OELs. Occupational Exp due to Exp. to Chemicals at Work, Components itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7) Spain. OELs. INSST, Límites de Ex	TWA posure Limits of Chemicals at Wo Annex I), as amended Type TWA	5 mg/m3 rkplace (Reg. on Protectio Value 10 mg/m3 1,25 mg/m3	Form Inhalable fraction. Respirable fraction.
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Slovenia. OELs. Occupational Exp due to Exp. to Chemicals at Work, Components itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Spain. OELs. INSST, Límites de Ex VLAs)	TWA posure Limits of Chemicals at Wo Annex I), as amended Type TWA	5 mg/m3 rkplace (Reg. on Protectio Value 10 mg/m3 1,25 mg/m3	Form Inhalable fraction. Respirable fraction.
itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7) Slovenia. OELs. Occupational Exp due to Exp. to Chemicals at Work, Components itanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 um] (CAS 13463-67-7) Spain. OELs. INSST, Límites de Ex (VLAs) Components	TWA posure Limits of Chemicals at Wo Annex I), as amended Type TWA TWA	5 mg/m3 rkplace (Reg. on Protectio Value 10 mg/m3 1,25 mg/m3 tes Químicos, Table 1-Valo	Form Inhalable fraction. Respirable fraction. res Límites Ambientales
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Slovenia. OELs. Occupational Exp due to Exp. to Chemicals at Work, Components titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10	TWA posure Limits of Chemicals at Wo Annex I), as amended Type TWA TWA Type Type	5 mg/m3 rkplace (Reg. on Protectio Value 10 mg/m3 1,25 mg/m3 res Químicos, Table 1-Valo Value	Form Inhalable fraction. Respirable fraction. res Límites Ambientales Form
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Slovenia. OELs. Occupational Exp due to Exp. to Chemicals at Work, Components titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Spain. OELs. INSST, Límites de Ex (VLAs) Components Quartz (CAS 14808-60-7) titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Sweden. OELs (Annex 1). Work Er	TWA posure Limits of Chemicals at Wo Annex I), as amended Type TWA TWA TWA TWA TWA	5 mg/m3 rkplace (Reg. on Protectio Value 10 mg/m3 res Químicos, Table 1-Valo Value 0,05 mg/m3 10 mg/m3	Form Inhalable fraction. Respirable fraction. res Límites Ambientales Form Respirable fraction.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Slovenia. OELs. Occupational Exp due to Exp. to Chemicals at Work, Components titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7) Spain. OELs. INSST, Límites de Ex (VLAs) Components Quartz (CAS 14808-60-7) titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA posure Limits of Chemicals at Wo Annex I), as amended Type TWA TWA TWA TWA TWA	5 mg/m3 rkplace (Reg. on Protectio Value 10 mg/m3 res Químicos, Table 1-Valo Value 0,05 mg/m3 10 mg/m3	Form Inhalable fraction. Respirable fraction. res Límites Ambientales Form Respirable fraction.

Components	Туре	Value	Form
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.
Switzerland. SUVA Grenzwe Components	erte am Arbeitsplatz: Aktuelle MAK-Werte Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,15 mg/m3	Respirable fraction.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq$ 10 µm] (CAS 13463-67-7)	TWA	3 mg/m3	Respirable dust.
UK. OELs. Workplace Expo Components	sure Limits (WELs) (EH40/2005 (Fourth Edition Type	n 2020)), Table 1 Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable.
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.
		10 mg/m3	Inhalable
EU. OELs, Directive 2004/37 Components	7/EC on carcinogen and mutagens from Annex Type	c III, Part A, as amen Value	ded Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction an dust
logical limit values	No biological exposure limits noted for the ingr	edient(s).	
commended monitoring cedures	Follow standard monitoring procedures.		
ived no effect levels IELs)	Not available.		
dicted no effect centrations (PNECs)	Not available.		
Exposure controls			
propriate engineering Itrols	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.		
ividual protection measures, General information	s, such as personal protective equipment Use personal protective equipment as required. Personal protection equipment should be chos according to the CEN standards and in discussion with the supplier of the personal protective		
Eye/face protection	equipment. Wear safety glasses with side shields (or gogg	les). Face shield is re	commended.
Skin protection	,	,	
- Hand protection	Wear appropriate chemical resistant gloves.		
- Other	Wear appropriate chemical resistant clothing. L	Jse of an impervious	apron is recommended.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.		
Thermal hazards	Wear appropriate thermal protective clothing, v		
jiene measures	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. Contaminated work clothing should not be allowed out of the workplace.		

Inform appropriate managerial or supervisory personnel of all environmental releases. 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**

SECTION 9. Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
Physical state	Liquid.		
Form	Liquid.		
Color	Dark grey		
Odor	Slight.		
Melting point/freezing point	Not available.		
Boiling point or initial boiling point and boiling range	Not available.		
Flammability	Not applicable.		
Flash point	>399,2 °F (>204,0 °C)		
Auto-ignition temperature	Not available.		
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	Not available.		
Density and/or relative density			
Density	2,80 g/cm <sup>3</sup>		
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	2,8		
SECTION 10: Stability and	SECTION 10: Stability and reactivity		
10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.		
10.0 Chamical stability	Metarial is stable under normal conditions		

IU.I. 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	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	No adverse effects due to inhalation are expected.	
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. May cause an allergic skin reaction. Dermatitis. Rash.	

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

Acute toxicity	Not known.	
Components	Species	Test Results
		es with aerodynamic diameter ≤ 10 μm] (CAS 13463-67-7)
Acute	· ·	
Dermal		
LD50	Hamster	>= 10000 mg/kg
Oral		
LD50	Rat	> 10000 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye rritation	Causes serious eye irritation.	
Respiratory sensitization	Due to partial or complete lac	k of data the classification is not possible.
Skin sensitization	May cause an allergic skin rea	action.
Germ cell mutagenicity	Due to partial or complete lac	k of data the classification is not possible.
Carcinogenicity	Due to partial or complete lac	k of data the classification is not possible.
Hungary. 26/2000 EüM Ordir (as amended)	ance on protection against a	nd preventing risk relating to exposure to carcinogens at work
titanium dioxide [in powde	r form containing 1 % or more Evaluation of Carcinogenicity	of particles with aerodynamic diameter $\leq$ 10 µm] (CAS 13463-67-7)
Quartz (CAS 14808-60-7) titanium dioxide [in powde of particles with aerodyna (CAS 13463-67-7)	er form containing 1 % or more	1 Carcinogenic to humans. 2B Possibly carcinogenic to humans.
Reproductive toxicity	Due to partial or complete lac	k of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to partial or complete lac	k of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to partial or complete lac	k 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	No information available.	
1.2. Information on other hazard	ds	
Endocrine disrupting properties	to human health as assessed	any substances having endocrine disrupting properties with respect in accordance with the criteria set out in Regulations (EC) No 00 and (EU) 2018/605, at a concentration equal to or greater than
Other information	Not available.	
SECTION 12: Ecological in	nformation	
12.1. Toxicity	Toxic to aquatic life with long	lasting effects. Based on available data, the classification criteria are
12.2. Persistence and		aquatic environment, acute hazard. gradability of any ingredients in the mixture.
legradability 2.3. Bioaccumulative potential	No data available.	
Partition coefficient n-octanol/water (log Kow)	Not available.	
Bioconcentration factor (BCF)	Not available	
2.4. Mobility in soil	Not available. No data available.	
2.4. Mobility in soli 2.5. Results of PBT and vPvB assessment		substances assessed to be vPvB / PBT according to Regulation
I2.6. Endocrine disrupting properties	This mixture does not contain to the environment as assess	any substances having endocrine disrupting properties with respect ed in accordance with the criteria set out in Regulations (EC) No 00 and (EU) 2018/605, at a concentration equal to or greater than
12.7. Other adverse effects		tal effects (e.g. ozone depletion, photochemical ozone creation n, global warming potential) are expected from this component.

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

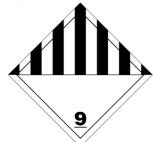
Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow 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. 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

ADI	1	
	14.1. UN number	UN3082
	14.2. UN proper shipping	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin (Number
	name	average MW <=700))
	14.3. Transport hazard class(es)	
	-	
	Class	9
	Subsidiary risk	
	Label(s)	9
	Hazard No. (ADR)	90
	Tunnel restriction code	-
	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	UN3082
	14.2. UN proper shipping	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin (Number
	name	average MW <=700))
	14.3. Transport hazard class(	
	Class	9
	Subsidiary risk	-
	Label(s)	9
	14.4. Packing group	
	14.5. Environmental hazards	No.
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
	for user	
ADI	N	
	14.1. UN number	UN3082
	14.2. UN proper shipping	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin (Number
	name	average MW <=700))
	14.3. Transport hazard class	
	Class	9
		9
	Subsidiary risk	-
	Label(s)	9
	14.4. Packing group	
	14.5. Environmental hazards	
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
	for user	
IAT	Α	
	14.1. UN number	UN3082
	14.2. UN proper shipping	Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin (Number average MW <=700))
	name	
	14.3. Transport hazard class	les)
	Class	9
	Subsidiary risk	-
	14.4. Packing group	
	14.5. Environmental hazards	
		9L
	ERG Code	
	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	UN3082	
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin (Number average MW <=700))	
14.3. Transport hazard class(es)		
Class	9	
Subsidiary risk	-	
14.4. Packing group	III	
14.5. Environmental hazards		
Marine pollutant	No.	
EmS	F-A, S-F	
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; IATA; IMDG; 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 ≤ 10 μm] (CAS 13463-67-7) **Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA** Not listed. Austria: 8A20-H0F7-U003-PYUE Belgium: 8A20-H0F7-U003-PYUE Bulgaria: 8A20-H0F7-U003-PYUE Croatia: 8A20-H0F7-U003-PYUE Cyprus: 8A20-H0F7-U003-PYUE Czech Republic: 8A20-H0F7-U003-PYUE Denmark: 8A20-H0F7-U003-PYUE Estonia: 8A20-H0F7-U003-PYUE EU: 8A20-H0F7-U003-PYUE Finland: 8A20-H0F7-U003-PYUE France: 8A20-H0F7-U003-PYUE Germany: 8A20-H0F7-U003-PYUE Greece: 8A20-H0F7-U003-PYUE Hungary: 8A20-H0F7-U003-PYUE Iceland: 8A20-H0F7-U003-PYUE Ireland: 8A20-H0F7-U003-PYUE Italy: 8A20-H0F7-U003-PYUE Latvia: 8A20-H0F7-U003-PYUE Lithuania: 8A20-H0F7-U003-PYUE Luxembourg: 8A20-H0F7-U003-PYUE Malta: 8A20-H0F7-U003-PYUE Netherlands: 8A20-H0F7-U003-PYUE Norway: 8A20-H0F7-U003-PYUE Poland: 8A20-H0F7-U003-PYUE Portugal: 8A20-H0F7-U003-PYUE Romania: 8A20-H0F7-U003-PYUE Slovakia: 8A20-H0F7-U003-PYUE Slovenia: 8A20-H0F7-U003-PYUE Spain: 8A20-H0F7-U003-PYUE Sweden: 8A20-H0F7-U003-PYUE

#### 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

Quartz (CAS 14808-60-7)

Other EU regulations	Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended	
	ANNEX 1, PART 1 Categories of dangerous substances Hazard categories in accordance with Regulation (EC) No 1272/2008 - E2 Hazardous to the Aquatic Environment Chronic	
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	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		

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 $\leq$ 10 µm]	Anorganische Faserstäube, soweit nicht erwähnt (ausgenommen Gipsfasernund Wollastonitfasern)
	(CAS 13463-67-7)	
nce	regulations	

## France regulations

France INRS Table of Occupational Diseases	
Quartz (CAS 14808-60-7)	Affections consécutives à l'inhalation de poussières minérales renfermant de la silicecristalline (quartz, cristobalite, tridymite), des silicates cristallins (kaolin, talc), du graphite ou de la houille 25

Maladies professionnelles provoquées par les résines époxydiques et leurs constituants 51

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (CAS 25068-38-6)

#### Product registration number

Austria

UFI: 8A20-H0F7-U003-PYUE

Belgium	UFI: 8A20-H0F7-U003-PYUE
Czech Republic	UFI: 8A20-H0F7-U003-PYUE
Denmark	UFI: 8A20-H0F7-U003-PYUE
European Union	UFI: 8A20-H0F7-U003-PYUE
Finland	UFI: 8A20-H0F7-U003-PYUE
France	UFI: 8A20-H0F7-U003-PYUE
Germany	UFI: 8A20-H0F7-U003-PYUE
Greece	UFI: 8A20-H0F7-U003-PYUE
Hungary	UFI: 8A20-H0F7-U003-PYUE
Italy	UFI: 8A20-H0F7-U003-PYUE
Netherlands	UFI: 8A20-H0F7-U003-PYUE
Norway	UFI: 8A20-H0F7-U003-PYUE
Poland	UFI: 8A20-H0F7-U003-PYUE
Portugal	UFI: 8A20-H0F7-U003-PYUE
Slovakia	UFI: 8A20-H0F7-U003-PYUE
-	
Sweden	UFI: 8A20-H0F7-U003-PYUE
Switzerland	UFI: 8A20-H0F7-U003-PYUE
15.2. Chemical safety	No Chemical Safety Assessment has been carried out.
assessment	

### **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. Not available. References The classification for health and environmental hazards is derived by a combination of calculation Information on evaluation method leading to the methods and test data, if available. classification of mixture Full text of any statements, which are not written out in full under sections 2 to 15 H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H350 May cause cancer. H351 Suspected of causing cancer. 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.