# SAFETY DATA SHEET

Version #: 05 Issue date: 03-15-2023 Revision date: 07-28-2023 Supersedes date: 07-16-2023

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

1.1. Product identifier       Prade name or designation of the mixture       Phillymastic TG-7B Liquid Resin         Registration number       -         Synonyms       None.         SKU#       DM030R         1.2. Relevant identified uses of the substance or mixture and uses advised against identified uses       Not available.         Uses advised against       Note known.         1.3. Details of the supplier of the supplier of the Verformance Polymers       Address         Address       ITW Performance Polymers         Address       Shanon Industrial Estate         Co. Clare       Ireland         Ireland       V14 DF82         Contact Person       Customer Service         Telephone Number       353(61)771500         353(61)471285       Staf(1)471285         Email       customerservice.shanon@itwpp.com         Emergency Phone Number       40(0) 123 239 670 (24 hours)         1.4. Emergency telephonene       112 (Available 24 hours a day. SDS/Product information may not be available for
of the mixture       -         Registration number       -         Synonyms       None.         SkU#       DM030R         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 stept data sheet       Company Name         Company Name       ITW Performance Polymers         Address       Bay 150         Shannon Industrial Estate       Co. Clare         Ireland       V14 DF82         Contact Person       Customer Service         Telephone Number       353(61)771500         353(61)471285       Stanion on@itwpp.com         Email       customerservice.shannon@itwpp.com         Emergency Phone Number       44(0) 1235 239 670 (24 hours)
SyonymsNone.SKU#DM030R1.2. Relevant identified uses of U= substance or mixture and uses advised against Identified usesNot available.Uses advised againstNot available.Uses advised againstNone known.1.3. Details of the supplier of U= stey data sheetCompany NameAddressBay 150AddressBay 150Shannon Industrial Estate (co. Clare Ireland 
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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.)
<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 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 numb	er
Greece Poison Information Centre	(0030) 2107793777 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Hungary National Emergency Phone Number	+36-80-201-199 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Iceland Poison Center	(+354) 543 2222 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Latvia Emergency medical aid	113
Latvia Poison and Drug Information Center	+371 67042473 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Lithuania Neatidėliotina informacija apsinuodijus	+370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Malta Accident and Emergency Department	2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Netherlands National Poisons Information Center (NVIC)	NVIC: +31 (0)88 755 8000 (Only for the purpose of informing medical personnel in cases of acute intoxications)
Norway Norwegian Poison Information Center	22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Portugal Poison Center	800 250 250 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Romania Biroul RSI si Informare Toxicologica	021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.)
Slovakia National Toxicological Information Center	+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Spain Toxicology Information Service	+ 34 91 562 04 20 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Sweden National Poison Information Center	112 - and ask for Poison Information (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Switzerland Tox Info Suisse	145 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

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

Health hazards	
Skin corrosion/irritation	

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.

### 2.2. Label elements

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

Austria: 1S25-A14H-S00K-P8MD Belgium: 1S25-A14H-S00K-P8MD Bulgaria: 1S25-A14H-S00K-P8MD Croatia: 1S25-A14H-S00K-P8MD Cyprus: 1S25-A14H-S00K-P8MD Czech Republic: 1S25-A14H-S00K-P8MD Denmark: 1S25-A14H-S00K-P8MD Estonia: 1S25-A14H-S00K-P8MD EU: 1S25-A14H-S00K-P8MD Finland: 1S25-A14H-S00K-P8MD France: 1S25-A14H-S00K-P8MD Germany: 1S25-A14H-S00K-P8MD Greece: 1S25-A14H-S00K-P8MD Hungary: 1S25-A14H-S00K-P8MD Iceland: 1S25-A14H-S00K-P8MD Ireland: 1S25-A14H-S00K-P8MD Italy: 1S25-A14H-S00K-P8MD Latvia: 1S25-A14H-S00K-P8MD Lithuania: 1S25-A14H-S00K-P8MD Luxembourg: 1S25-A14H-S00K-P8MD Malta: 1S25-A14H-S00K-P8MD Netherlands: 1S25-A14H-S00K-P8MD Norway: 1S25-A14H-S00K-P8MD Poland: 1S25-A14H-S00K-P8MD Portugal: 1S25-A14H-S00K-P8MD Romania: 1S25-A14H-S00K-P8MD Slovakia: 1S25-A14H-S00K-P8MD Slovenia: 1S25-A14H-S00K-P8MD Spain: 1S25-A14H-S00K-P8MD Sweden: 1S25-A14H-S00K-P8MD Alumina Trihydrate, Aluminium Oxide, Epoxy Resin, Glass, Oxide

Contains:

Hazard pictograms

Warning

Signal word Hazard statements

H315 H317

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

### **Precautionary statements**

## Provention

H319

Prevention	
P261 P264 P272 P280 P280	Avoid breathing mist/vapors. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.
Response	
P302 + P352 P305 + P351 + P338 P333 + P313 P337 + P313 P362 + P364	<ul> <li>IF ON SKIN: Wash with plenty of water.</li> <li>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>If skin irritation or rash occurs: Get medical advice/attention.</li> <li>If eye irritation persists: Get medical advice/attention.</li> <li>Take off contaminated clothing and wash it before reuse.</li> </ul>
Storage	Not available.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	81,75% of the mixture consists of component(s) of unknown acute inhalation toxicity. 99,9% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 99,9% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.
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.

<b>SECTION 3: Composition</b>	n/information on	ingredients			
3.2. Mixtures					
General information					
Chemical name	%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No.	Notes
Glass, Oxide	30 - < 40	65997-17-3 266-046-0	-	650-016-00-2	#
Class	ification: Carc. 2;H3	51			
Epoxy Resin	20 - < 30	25085-99-8 -	01-2119456619-26-0000	-	
Class	ification: Skin Irrit. 2	;H315, Eye Irrit. 2;H3	19, Skin Sens. 1;H317		
Alumina Trihydrate	10 - < 20	21645-51-2 244-492-7	-	-	
Class	ification: -				
Aluminium Oxide	5 - < 10	1344-28-1 215-691-6	-	-	
Class	ification: -				
Quartz	5 - < 10	14808-60-7 238-878-4	-	-	#
Class	ification: Carc. 1A;H	350			
Other components below rep levels	ortable 5 - < 10				
ATE: Acute toxicity estimate. M: M-factor vPvB: very persistent and ve PBT: persistent, bioaccumula #: This substance has been a All concentrations are in percent	ry bioaccumulative su ative and toxic substa assigned Union workp	nce. place exposure limit(		ercent by volume.	
SECTION 4: First aid mea		0 0	•	,	
General information			are of the material(s) involve d clothing before reuse.	d, and take preca	utions to
4.1. Description of first aid mea					
Inhalation			mptoms develop or persist.		
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.				
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.				
Ingestion	Rinse mouth. Get medical attention if symptoms occur.				
4.2. Most important symptoms and effects, both acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.				
4.3. Indication of any immediate medical attention and special treatment needed	Provide general su Symptoms may be		and treat symptomatically. K	eep victim under	observation.
SECTION 5: Firefighting	measures				
General fire hazards	No unusual fire or	explosion hazards n	oted.		
5.1. Extinguishing media Suitable extinguishing media	Water fog. Foam.	Dry chemical powde	r. Carbon dioxide (CO2).		
Unsuitable extinguishing media	Do not use water j	et as an extinguishe	r, 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 bre	eathing apparatus an	d full protective clothing mus	st be worn in case	e of fire.
Special fire fighting procedures	Move containers f	rom fire area if you c	an do so without risk.		
-					

### **SECTION 6: Accidental release measures**

6.1. Personal precautions, protect	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 discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Prevent entry into waterways, sewer, basements or confined areas.
	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 handling	Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. 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).
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
Alumina Trihydrate (CAS 21645-51-2)	MAK	5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fraction.
Aluminium Oxide (CAS 1344-28-1)	MAK	5 mg/m3	Respirable fume.
		5 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fume.
		10 mg/m3	Respirable fraction.
Quartz (CAS 14808-60-7)	MAK	0,05 mg/m3	Respirable dust.
Austria. OELs. TRK List, Grenzwo	erteverordnung, BGBI. II, no. 4	29/2011, as amended	
Components	Туре	Value	Form
Glass, Oxide (CAS 65997-17-3)	TWA	300000 fibers/m3	Fiber.
Belgium. OEL. Exposure Limit Va Chemical agents, as amended	lues to Chemical Substances	at Work, Code of Well-being at w	vork, Book VI, Title 1 ·
Components	Туре	Value	Form
Alumina Trihydrate (CAS	TWA	3 mg/m3	Respirable fraction.

Alumina Trihydrate (CAS 21645-51-2)	TWA	3 mg/m3	Respirable fraction.	_
		10 mg/m3	Inhalable fraction.	

Components	Туре	Value	Form
Aluminium Oxide (CAS 344-28-1)	TWA	1 mg/m3	Respirable fraction.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
Bulgaria. OEL values of carcinog vork, Ann. 1), as amended	ens and mutagens at work (Re	eg. 10/2003 on prot. from carcin	ogens and mutagens at
Components	Туре	Value	Form
Glass, Oxide (CAS 65997-17-3)	TWA	0,3 fibers/cm3	Fiber.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction and dust
Bulgaria. OELs. Ordinance No 13	on protection of workers again	nst risks of exposure to chemic	cal agents at work, as
amended Components	Туре	Value	Form
- Aluminium Oxide (CAS  344-28-1)	TWA	10 mg/m3	Inhalable fraction.
,		1,5 mg/m3	Respirable fraction.
Croatia. OELs (GVI). Regulation o	on Protection of Workers again	ist Exposure to Dangerous Che	micals at Work, OELs a
Biological Limit Values, Annex I (	(NN 91/2018), as amended		
Components	Туре	Value	Form
Aluminium Oxide (CAS 1344-28-1)	MAC	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Glass, Oxide (CAS 65997-17-3)	MAC	0,3 fibers/cm3	
Quartz (CAS 14808-60-7)	MAC	0,1 mg/m3	
Cyprus. OELs. Control of factory Components	atmosphere and dangerous su Type	ubstances in factories regulatio Value	on, PI 311/73, as amende Form
Glass, Oxide (CAS	TWA	10 mg/m3	Fiber or dust.
65997-17-3)		·	
Czech Republic. Occupational ex	•	als at work (Decree on protection	on of health at work,
361/2007, Annex 2, Part A & Anne	ex 3, Part A, as amended)		<b>F</b>
components	Type	Value	Form
•	Туре	Value	Form Respirable dust
Aluminium Oxide (CAS	<b>Type</b> TWA	Value 0,1 mg/m3	Respirable dust.
- Aluminium Oxide (CAS 1344-28-1)			
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut	TWA TWA thority. Exposure Limits for Sul	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2	Respirable dust. Respirable dust.
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut	TWA	0,1 mg/m3 0,1 mg/m3	Respirable dust.
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS	TWA TWA thority. Exposure Limits for Sul	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3	Respirable dust. Respirable dust.
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS 1344-28-1)	TWA TWA thority. Exposure Limits for Sul Type TLV	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3 2 mg/m3	Respirable dust. Respirable dust. Form Total Respirable.
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS 1344-28-1) Glass, Oxide (CAS	TWA TWA thority. Exposure Limits for Sul Type	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3	Respirable dust. Respirable dust. <b>Form</b> Total
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS 1344-28-1) Glass, Oxide (CAS 55997-17-3)	TWA TWA thority. Exposure Limits for Sul Type TLV	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3 2 mg/m3	Respirable dust. Respirable dust. Form Total Respirable.
Aluminium Oxide (CAS I344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS I344-28-1) Glass, Oxide (CAS S5997-17-3)	TWA TWA thority. Exposure Limits for Sul Type TLV	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3 2 mg/m3 0,3 fibers/cm3	Respirable dust. Respirable dust. Form Total Respirable. Fiber.
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS 1344-28-1) Glass, Oxide (CAS 65997-17-3) Quartz (CAS 14808-60-7) Estonia. OELs. Occupational Exp	TWA TWA thority. Exposure Limits for Sul Type TLV TLV TLV	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3 2 mg/m3 0,3 fibers/cm3 0,3 mg/m3 0,1 mg/m3	Respirable dust. Respirable dust. Form Total Respirable. Fiber. Total Respirable.
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS 1344-28-1) Glass, Oxide (CAS 55997-17-3) Quartz (CAS 14808-60-7) Estonia. OELs. Occupational Exp Components	TWA TWA thority. Exposure Limits for Sul Type TLV TLV TLV TLV TLV	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3 2 mg/m3 0,3 fibers/cm3 0,3 mg/m3 0,1 mg/m3 bstances (Regulation No. 105/2 Value	Respirable dust. Respirable dust. Form Total Respirable. Fiber. Total Respirable. 001, Annex), as amende Form
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS 1344-28-1) Glass, Oxide (CAS 65997-17-3) Quartz (CAS 14808-60-7) Estonia. OELs. Occupational Exp Components Aluminium Oxide (CAS	TWA TWA thority. Exposure Limits for Sul Type TLV TLV TLV TLV	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3 2 mg/m3 0,3 fibers/cm3 0,3 mg/m3 0,1 mg/m3 bstances (Regulation No. 105/2	Respirable dust. Respirable dust. Form Total Respirable. Fiber. Total Respirable. <b>001, Annex), as amende</b>
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS 1344-28-1) Glass, Oxide (CAS 65997-17-3) Quartz (CAS 14808-60-7) Estonia. OELs. Occupational Exp Components Aluminium Oxide (CAS	TWA TWA thority. Exposure Limits for Sul Type TLV TLV TLV TLV TLV	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3 2 mg/m3 0,3 fibers/cm3 0,3 mg/m3 0,1 mg/m3 bstances (Regulation No. 105/2 Value	Respirable dust. Respirable dust. Form Total Respirable. Fiber. Total Respirable. 001, Annex), as amende Form
Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS 1344-28-1) Glass, Oxide (CAS 65997-17-3) Quartz (CAS 14808-60-7) Estonia. OELs. Occupational Exp Components Aluminium Oxide (CAS 1344-28-1) Glass, Oxide (CAS	TWA TWA thority. Exposure Limits for Sul Type TLV TLV TLV TLV TLV	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3 2 mg/m3 0,3 fibers/cm3 0,3 mg/m3 0,1 mg/m3 bstances (Regulation No. 105/2 Value 4 mg/m3	Respirable dust. Respirable dust. Form Total Respirable. Fiber. Total Respirable. 001, Annex), as amende Form Fine dust, respiratory fraction
Components Aluminium Oxide (CAS 1344-28-1) Quartz (CAS 14808-60-7) Denmark. Work Environment Aut Components Aluminium Oxide (CAS 1344-28-1) Glass, Oxide (CAS 65997-17-3) Quartz (CAS 14808-60-7) Estonia. OELs. Occupational Exp Components Aluminium Oxide (CAS 1344-28-1) Glass, Oxide (CAS 65997-17-3) Quartz (CAS 14808-60-7)	TWA TWA thority. Exposure Limits for Sul Type TLV TLV TLV TLV TLV TLV TLV	0,1 mg/m3 0,1 mg/m3 bstances & Materials, Annex 2 Value 5 mg/m3 2 mg/m3 0,3 fibers/cm3 0,3 mg/m3 0,1 mg/m3 bstances (Regulation No. 105/2 Value 4 mg/m3 10 mg/m3	Respirable dust. Respirable dust. Form Total Respirable. Fiber. Total Respirable. 001, Annex), as amende Form Fine dust, respiratory fraction

Finland. Government De Components	cree on Work-related Cancer Risks Type	Value	Form
Glass, Oxide (CAS 65997-17-3)	TWA	0,3 fibers/cm3	Fiber.
Finland. HTP-arvot, App Components	3., Binding Limit Values, Social Affairs an Type	nd Ministry of Health Value	Form
Glass, Oxide (CAS 65997-17-3)	TWA	0,3 fibers/cm3	Respirable.
Quartz (CAS 14808-60-7)	TWA	0,05 mg/m3	Respirable.
France. OELs. Occupation Components	onal Exposure Limits as Prescribed by Art Type	t. R.4412-149 of Labor Code, Value	as amended Form
Quartz (CAS 14808-60-7)	VME	0,1 mg/m3	Respirable dust.
France. Threshold Limit Components	Values (VLEP) for Occupational Exposure Type	e to Chemicals in France, INF Value	RS ED 984 Form
Alumina Trihydrate (CAS 21645-51-2)	VME	4 mg/m3	Total dust.
Regulatory status:	Regulatory binding (VRC)		
		0,9 mg/m3	Respirable dust.
Regulatory status:	Regulatory binding (VRC)		
Aluminium Oxide (CAS 1344-28-1)	VME	10 mg/m3	
Regulatory status:	Indicative limit (VL)	0.4	Descinable for stirm
Quartz (CAS 14808-60-7)		0,1 mg/m3	Respirable fraction.
Regulatory status:	Regulatory binding (VRC)		
Germany. DFG MAK List in the Work Area (DFG),	(advisory OELs). Commission for the Inv as updated	estigation of Health Hazards	of Chemical Compounds
Components	Туре	Value	Form
Alumina Trihydrate (CAS	TWA	4 mg/m3	Inhalable dust.
21645-51-2)			
Aluminium Ovido (CAS	TWA	1,5 mg/m3	Respirable dust.
Aluminium Oxide (CAS 1344-28-1)	TWA	4 mg/m3	Inhalable dust.
		1,5 mg/m3	Respirable dust.
Germany. TRGS 900, Lin Components	nit Values in the Ambient Air at the Workp Type	llace Value	Form
Alumina Trihydrate (CAS 21645-51-2)	AGW	10 mg/m3	Inhalable fraction.
,		1,25 mg/m3	Respirable fraction.
Aluminium Oxide (CAS 1344-28-1)	AGW	10 mg/m3	Inhalable fraction.
1011 201)		1,25 mg/m3	Respirable fraction.
Greece. OELs, President Components	ial Decree No. 307/1986, as amended Type	Value	Form
Aluminium Oxide (CAS	TWA	5 mg/m3	Respirable.
1344-28-1)		10 mg/m3	Inhalable
	on protoction of workers succeed to share	C C	
Components	on protection of workers exposed to chen Type	Nical agents (5/2020. (II.6)), A Value	Form
Aluminium Oxide (CAS 1344-28-1)	TWA	5 mg/m3	
		2 mg/m3	Respirable.
Glass, Oxide (CAS 65997-17-3)	TWA	1 fibers/cm3	Fibrous dust.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.

Iceland. OELs. Regulation 390/20	09 on Pollution Limits and M	leasures to Reduce Pollution at the	e Workplace, as amended
Components	Type	Value	Form

Components	Туре	Value	Form
Alumina Trihydrate (CAS 21645-51-2)	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Aluminium Oxide (CAS 1344-28-1)	TWA	10 mg/m3	
Glass, Oxide (CAS 65997-17-3)	TWA	1 fibers/cm3	Fiber.
Quartz (CAS 14808-60-7)	TWA	0,3 mg/m3	Total dust.
		0,1 mg/m3	Respirable dust.

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

Components	Туре	Value	Form
Alumina Trihydrate (CAS 21645-51-2)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
Aluminium Oxide (CAS 1344-28-1)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
Glass, Oxide (CAS 65997-17-3)	TWA	2 fibers/cm3	
		5 mg/m3	
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
Italy. OELs (Legislative Decree n.8	81, 9 April 2008), as amended		
Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,025 mg/m3	Respirable fraction.

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

Components	Туре	Value	Form
Alumina Trihydrate (CAS 21645-51-2)	TWA	6 mg/m3	
Aluminium Oxide (CAS 1344-28-1)	TWA	6 mg/m3	Decomposition aerosol.
		4 mg/m3	
Glass, Oxide (CAS 65997-17-3)	TWA	0,3 fibers/cm3	
		2 mg/m3	
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.

# 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	Form
Alumina Trihydrate (CAS 21645-51-2)	TWA	6 mg/m3	
Glass, Oxide (CAS 65997-17-3)	TWA	1 fibers/cm3	Fiber.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.

# Luxembourg. Chemical Substances Prohibited at Work (Annex III), G.D.R. of 14 November 2016, OJ Memorial A, n ° 235/2016, as amended

Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
Netherlands. OELs per Annex XIII amended	-		_
Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,075 mg/m3	Respirable dust.

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

intection or oups for biological ractors, as amended			
Components	Туре	Value	Form
Aluminium Oxide (CAS 1344-28-1)	TLV	10 mg/m3	
Glass, Oxide (CAS 65997-17-3)	TLV	5 mg/m3	Total dust.
Quartz (CAS 14808-60-7)	TLV	0,3 mg/m3	Total dust.
		0,05 mg/m3	Respirable dust.

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

1286/2018, Annex 1)			
Components	Туре	Value	Form
Alumina Trihydrate (CAS 21645-51-2)	TWA	2,5 mg/m3	Inhalable fraction.
		1,2 mg/m3	Respirable fraction.
Aluminium Oxide (CAS 1344-28-1)	TWA	2,5 mg/m3	Inhalable fraction.
		1,2 mg/m3	Respirable fraction.
Glass, Oxide (CAS 65997-17-3)	TWA	1 fibers/cm3	Respirable fibers.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.
Portugal. VLEs. Norm on occupation	onal exposure to chemical a	igents (NP 1796-2014)	
Components	Туре	Value	Form
Alumina Trihydrate (CAS 21645-51-2)	TWA	1 mg/m3	Respirable fraction.
Aluminium Oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
Glass, Oxide (CAS 65997-17-3)	TWA	0,2 fibers/cm3	Fiber.
		5 mg/m3	Inhalable fraction.
Quartz (CAS 14808-60-7)	TWA	0,025 mg/m3	Respirable fraction.
Romania. OELs. Limit Values of Ch amended)	nemical Agents at Workplac	e (Regulation 1.218/2006, M.O 84	45, Annex 1, 3&4, as
Components	Туре	Value	Form
Aluminium Oxide (CAS 1344-28-1)	STEL	5 mg/m3	Aerosol.
	TWA	2 mg/m3	Aerosol.
Slovakia. OELs for carcinogens an amended	d mutagens. Regulation No	. 356/2006 on carcinogenic and	mutagenic substances, as
Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction.
Slovakia. OELs. Maximum permiss Annex 1, Table 1, as amended)	ible exposure limits for che	mical factors in workplace air (F	Regulation No 355/2006,
Components	Туре	Value	Form
Alumina Trihydrate (CAS 21645-51-2)	TWA	4 mg/m3	Inhalable fraction.
		1,5 mg/m3	Respirable fraction.
Aluminium Oxide (CAS 1344-28-1)	TWA	4 mg/m3	Inhalable fraction.
		0,1 mg/m3	Respirable fraction.
Glass, Oxide (CAS 65997-17-3)	TWA	2 fibers/cm3	
Slovenia. OELs. Occupational Exp due to Exp. to Chemicals at Work,		t Workplace (Reg. on Protection	of Workers from Risks
Components	Туре	Value	Form
Alumina Trihydrate (CAS 21645-51-2)	TWA	10 mg/m3	Inhalable fraction.
·		1,25 mg/m3	Respirable fraction.

Components	Туре	Value	Form
Aluminium Oxide (CAS 1344-28-1)	TWA	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
Spain. OELs. INSST, Límites de (VLAs)	e Exposición Profesional Para A	gentes Químicos, Table 1-Valor	es Límites Ambientales
Components	Туре	Value	Form
Aluminium Oxide (CAS 1344-28-1)	TWA	10 mg/m3	
Glass, Oxide (CAS 65997-17-3)	TWA	0,3 fibers/cm3	Fiber.
Quartz (CAS 14808-60-7)	TWA	0,05 mg/m3	Respirable fraction.
Sweden. OELs (Annex 1). Work amended	Environment Authority (AV), O	ccupational Exposure Limit Val	ues (AFS 2018:1), as
Components	Туре	Value	Form
Aluminium Oxide (CAS 1344-28-1)	TWA	5 mg/m3	Total dust.
		2 mg/m3	Respirable dust.
Glass, Oxide (CAS 65997-17-3)	TWA	1 fibers/ml	
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable dust.
Switzerland. SUVA Grenzwerte Components	am Arbeitsplatz: Aktuelle MAK- Type	Werte Value	Form
Alumina Trihydrate (CAS 21645-51-2)	TWA	3 mg/m3	Respirable fraction.
Aluminium Oxide (CAS 1344-28-1)	STEL	24 mg/m3	Respirable dust and/o fume.
	TWA	3 mg/m3	Respirable dust and/o fume.
		3 mg/m3	Respirable dust.
Quartz (CAS 14808-60-7)	TWA	0,15 mg/m3	Respirable fraction.
UK. OELs. Workplace Exposur Components	e Limits (WELs) (EH40/2005 (For Type	urth Edition 2020)), Table 1 Value	Form
Alumina Trihydrate (CAS 21645-51-2)	TWA	4 mg/m3	Respirable dust.
,		10 mg/m3	Inhalable dust.
Aluminium Oxide (CAS 1344-28-1)	TWA	4 mg/m3	Respirable dust.
·		10 mg/m3	Inhalable dust.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable.
EU. OELs, Directive 2004/37/EC Components	on carcinogen and mutagens f Type	from Annex III, Part A, as amenc Value	led Form
Glass, Oxide (CAS 65997-17-3)	TWA	0,3 fibers/ml	
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction an dust

Components	Value	Determinant	Specimen	Sampling Time	
Alumina Trihydrate (CAS 21645-51-2)	0,25 µmol/mmol	Aluminum	Creatinine in urine	*	
	0,06 mg/g	Aluminum	Creatinine in urine	*	
Aluminium Oxide (CAS 1344-28-1)	0,25 µmol/mmol	Aluminum	Creatinine in urine	*	

Components	Value	Determinant	Specimen	Sampling Time
	0,06 mg/g	Aluminum	Creatinine in urine	*
* - For sampling details, ple	ease see the source do	cument.		
Switzerland. SUVA Grenz	-			
Components	Value	Determinant	Specimen	Sampling Time
Alumina Trihydrate (CAS 21645-51-2)	50 µg/g	Aluminium	Creatinine in urine	*
Aluminium Oxide (CAS 1344-28-1)	50 µg/g	Aluminium	Creatinine in urine	*
* - For sampling details, ple	ease see the source do	ocument.		
commended monitoring ocedures	Follow standard n	nonitoring procedure	S.	
erived no effect levels NELs)	Not available.			
edicted no effect ncentrations (PNECs)	Not available.			
2. Exposure controls				
ppropriate engineering ntrols	applicable, use pr maintain airborne	ocess enclosures, lo levels below recomr	cal exhaust ventil nended exposure	es should be matched to conditions. If ation, or other engineering controls to limits. If exposure limits have not been evel. Provide eyewash station and safet
dividual protection measure	es, such as personal	protective equipme	ent	
General information		Use personal protective equipment as required. Personal protection equipment should be cho according to the CEN standards and in discussion with the supplier of the personal protective		
Eye/face protection	Wear safety glass	es with side shields	(or goggles). Fac	e shield is recommended.
Skin protection				
- Hand protection	Wear appropriate	chemical resistant g	loves.	
- Other	Wear appropriate	chemical resistant c	lothing. Use of an	impervious apron is recommended.
Respiratory protection	In case of insuffici	ient ventilation, wear	suitable respirato	ory equipment.
Thermal hazards	Wear appropriate	thermal protective c	lothing, when nec	essary.
rgiene measures	and before eating	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.		
vironmental exposure	Emissions from ventilation or work process equipment should be checked to ensure they com with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.			

## **SECTION 9: Physical and chemical properties**

-				
9.1. Information on basic physical and chemical properties				
Physical state	Liquid.			
Form	Liquid.			
Color	Not available.			
Odor	Not available.			
Melting point/freezing point	Not available.			
Boiling point or initial boiling point and boiling range	608 °F (320 °C) estimated			
Flammability	Not applicable.			
Flash point	265,0 °F (129,4 °C) estimated			
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	0,01 hPa estimated		
Density and/or relative density			
Density	1,52 g/cm3 estimated		
Vapor density	Not available.		
Particle characteristics	Not available.		
9.2. Other information			
9.2.1. Information with regard to physical hazard classes	No relevant additional information available.		
9.2.2. Other safety characteristic	CS		
Specific gravity	1,52 estimated		
<b>SECTION 10: Stability and</b>	d reactivity		
10.1. Reactivity	The product is stable and non-reactive under norr	nal 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		
<b>SECTION 11: Toxicologic</b>	al information		
General information	Occupational exposure to the substance or mixtur	e may cause adverse effects.	
Information on likely routes of e Inhalation	xposure No adverse effects due to inhalation are expected		
Skin contact	Causes skin irritation. May cause an allergic skin		
Eye contact	Causes serious eye irritation.		
Ingestion	May cause discomfort if swallowed. However, ing	estion is not likely to be a primary route of	
ingestion	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 clas	ses as defined in Regulation (EC) No 1272/2008		
Acute toxicity	Not known.		
Components	Species	Test Results	
Alumina Trihydrate (CAS 21645-5			
Acute			
Oral			
LD50	Rat	> 5000 mg/kg	
Aluminium Oxide (CAS 1344-28-1	)		
Acute			
Oral			
LD50	Det		
	Rat	> 5000 mg/kg	
Skin corrosion/irritation	Causes skin irritation.	> 5000 mg/kg	
Skin corrosion/irritation Serious eye damage/eye irritation		> 5000 mg/kg	
Serious eye damage/eye irritation	Causes skin irritation.		
Serious eye damage/eye	Causes skin irritation. Causes serious eye irritation.		
Serious eye damage/eye irritation Respiratory sensitization	Causes skin irritation. Causes serious eye irritation. Due to partial or complete lack of data the classifi	cation is not possible.	
Serious eye damage/eye irritation Respiratory sensitization Skin sensitization	Causes skin irritation. Causes serious eye irritation. Due to partial or complete lack of data the classific May cause an allergic skin reaction.	cation is not possible. cation is not possible.	

	nance on protection against and preventing risk relating to exposure to carcinogens at work
(as amended) Glass, Oxide (CAS 65997	·-17-3)
	Evaluation of Carcinogenicity
Quartz (CAS 14808-60-7)	1 Carcinogenic to humans.
Slovenia. CMR. Protection o	f workers from exposure to carcinogen and mutagen agents (ULRS 101/2005, as amended)
Glass, Oxide (CAS 65997	
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
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
Endocrine disrupting properties	This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.
Other information	Not available.
SECTION 12: Ecological in	nformation
12.1. Toxicity	Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
12.2. Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
12.3. Bioaccumulative potential	
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
12.6. Endocrine disrupting properties	This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.
12.7. Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
SECTION 13: Disposal co	nsiderations
13.1. Waste treatment methods	
Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some

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

# **SECTION 14: Transport information**

### ADR

14.1. UN number 14.2. UN proper shipping name 14.3. Transport hazard clas	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)
Class	9
Subsidiary risk Label(s)	9

Hazard No. (ADR) Tunnel restriction code 14.4. Packing group 14.5. Environmental hazards 14.6. Special precautions for user RID	90 E III Yes Read safety instructions, SDS and emergency procedures before handling.
14.1. UN number 14.2. UN proper shipping name	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)
14.3. Transport hazard class	
Class	9
Subsidiary risk	- 9
Label(s) 14.4. Packing group	9 
14.5. Environmental hazards	
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user	······································
ADN	
14.1. UN number	UN3082
14.2. UN proper shipping	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)
name	
14.3. Transport hazard class	(es)
Class	9
Subsidiary risk	-
Label(s)	9
14.4. Packing group	
14.5. Environmental hazards	
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
IATA	
14.1. UN number	UN3082
14.2. UN proper shipping	Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin)
name	
14.3. Transport hazard class	(es)
Class	9
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	
ERG Code	9L
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user Other information	
	Allowed with restrictions.
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
14.1. UN number	UN3082
14.2. UN proper shipping	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin), MARINE
name	POLLUTANT
14.3. Transport hazard class	(es)
Class	9
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	
Marine pollutant	Yes
EmS 14.6. Special precautions	F-A, S-F Read safety instructions, SDS and emergency procedures before handling.
for user	הכמע שמיכיני וושניעטוטיוש, שביס מווע בווובועבווטי פוטכעעובש שבוטוב וומוועווווע.
Epoxy Resin	
14.7. Maritime transport in bulk	Not established.
according to IMO instruments	

### ADN; ADR; IATA; IMDG; RID



Marine pollutant



**General information** 

IMDG Regulated Marine Pollutant.

### 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 Alumina Trihydrate (CAS 21645-51-2)

Aluminium Oxide (CAS 21043-31)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

Austria: 1S25-A14H-S00K-P8MD Belgium: 1S25-A14H-S00K-P8MD Bulgaria: 1S25-A14H-S00K-P8MD Croatia: 1S25-A14H-S00K-P8MD Cyprus: 1S25-A14H-S00K-P8MD Czech Republic: 1S25-A14H-S00K-P8MD Denmark: 1S25-A14H-S00K-P8MD Estonia: 1S25-A14H-S00K-P8MD EU: 1S25-A14H-S00K-P8MD Finland: 1S25-A14H-S00K-P8MD France: 1S25-A14H-S00K-P8MD Germany: 1S25-A14H-S00K-P8MD Greece: 1S25-A14H-S00K-P8MD Hungary: 1S25-A14H-S00K-P8MD Iceland: 1S25-A14H-S00K-P8MD Ireland: 1S25-A14H-S00K-P8MD Italy: 1S25-A14H-S00K-P8MD Latvia: 1S25-A14H-S00K-P8MD Lithuania: 1S25-A14H-S00K-P8MD Luxembourg: 1S25-A14H-S00K-P8MD Malta: 1S25-A14H-S00K-P8MD Netherlands: 1S25-A14H-S00K-P8MD Norway: 1S25-A14H-S00K-P8MD Poland: 1S25-A14H-S00K-P8MD Portugal: 1S25-A14H-S00K-P8MD Romania: 1S25-A14H-S00K-P8MD Slovakia: 1S25-A14H-S00K-P8MD Slovenia: 1S25-A14H-S00K-P8MD Spain: 1S25-A14H-S00K-P8MD Sweden: 1S25-A14H-S00K-P8MD

#### 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

Glass, Oxide (CAS 65997-17-3)

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

Glass, Oxide (CAS 65997-17-3) Quartz (CAS 14808-60-7)

Other	regu	lations	;

National regulations

**European Union** 

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.

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

Alumina Trihydrate (CAS Aluminium Oxide (CAS 13	,	Anorganische Faserstäube, soweit nicht erwähnt (ausgenommen Gipsfasernund Wollastonitfasern) Faserstäube, anorganische (außer Asbest), Künstlich hergestellte anorganische einkristalline Fasern (Whisker) aus Aluminoxid
France regulations		
France INRS Table of Occup	ational Diseases	
Epoxy Resin (CAS 25085	-99-8)	Maladies professionnelles provoquées par les résines époxydiques et leurs constituants 51
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
Product registration number		
Austria	UFI: 1S25-A14H-S00K-P8MD	
Belgium	UFI: 1S25-A14H-S00K-P8MD	
Czech Republic	UFI: 1S25-A14H-S00K-P8MD	
Denmark	UFI: 1S25-A14H-S00K-P8MD	

UFI: 1S25-A14H-S00K-P8MD

Finland	UFI: 1S25-A14H-S00K-P8MD
France	UFI: 1S25-A14H-S00K-P8MD
Germany	UFI: 1S25-A14H-S00K-P8MD
Greece	UFI: 1S25-A14H-S00K-P8MD
Hungary	UFI: 1S25-A14H-S00K-P8MD
Italy	UFI: 1S25-A14H-S00K-P8MD
Netherlands	UFI: 1S25-A14H-S00K-P8MD
Norway	UFI: 1S25-A14H-S00K-P8MD
Poland	UFI: 1S25-A14H-S00K-P8MD
Portugal	UFI: 1S25-A14H-S00K-P8MD
Slovakia	UFI: 1S25-A14H-S00K-P8MD
Slovenia	UFI: 1S25-A14H-S00K-P8MD
Spain	UFI: 1S25-A14H-S00K-P8MD
Sweden	UFI: 1S25-A14H-S00K-P8MD
Switzerland	UFI: 1S25-A14H-S00K-P8MD
5.2. Chemical safety ssessment	No Chemical Safety Assessment has been carried out.

# **SECTION 16: Other information**

#### List of abbreviations

List of abbreviations	
	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
	ADR: Agreement concerning the International Carriage of Dangerous Goods by Road. AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
	CAS: Chemical Abstract Service.
	CEN: European Committee for Standardization.
	IATA: International Air Transport Association.
	IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
	IMDG: International Maritime Dangerous Goods.
	MAC: Maximum Allowed Concentration.
	MARPOL: International Convention for the Prevention of Pollution from Ships. PBT: Persistent, bioaccumulative and toxic.
	RID: Regulations concerning the International Carriage of Dangerous Goods by Rail. STEL: Short term exposure limit.
	TLV: Threshold Limit Value.
	TWA: Time Weighted Average.
	VLE: Exposure Limit Value.
	VME: Exposure Average Value.
	vPvB: Very persistent and very bioaccumulative.
References	Not available.
Information on evaluation	The classification for health and environmental hazards is derived by a combination of calculation
method leading to the classification of mixture	methods and test data, if available.
method leading to the	
method leading to the classification of mixture Full text of any statements,	
method leading to the classification of mixture Full text of any statements, which are not written out in full	methods and test data, if available.
method leading to the classification of mixture Full text of any statements, which are not written out in full	methods and test data, if available. H315 Causes skin irritation.
method leading to the classification of mixture Full text of any statements, which are not written out in full	methods and test data, if available. H315 Causes skin irritation. H317 May cause an allergic skin reaction.
method leading to the classification of mixture Full text of any statements, which are not written out in full	methods and test data, if available. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.
method leading to the classification of mixture Full text of any statements, which are not written out in full	methods and test data, if available. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H350 May cause cancer.
method leading to the classification of mixture Full text of any statements, which are not written out in full under sections 2 to 15	methods and test data, if available. 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.
method leading to the classification of mixture Full text of any statements, which are not written out in full under sections 2 to 15 Revision information	methods and test data, if available. 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. Physical & Chemical Properties: Multiple Properties