

SAFETY DATA SHEET

Version #: 04
Issue date: 03-24-2022
Revision date: 08-11-2023
Supersedes date: 07-13-2023

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

1.1. Product identifier

Trade name or designation of the mixture Korrobond 65 Component A

Registration number -

Synonyms None.

SKU# 0550-707A-X00F-H82J

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 name ITW Performance Polymers

Address Bay 150
Shannon Industrial Estate
Co. Clare, Ireland

Division

Telephone Phone 353(61)771500

e-mail customerservice.shannon@itwpp.com

Contact person Not available.

1.4. Emergency telephone number Emergency Number 44(0)1235 239 670

General in EU 112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Austria National Poisons Information Center +431 406 4343 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Belgium National Poisons Control Center 070 245 245 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Bulgaria National Toxicological Information Center +359 2 9154 233 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Croatia Poisons Information Center +385 1 2348 342 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Cyprus Poison Center 1401 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Czech Republic National Poisons Information Center +420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Denmark National Poisons Control Center +45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Estonia National Poisons Information Center 16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.)

Finland National Poison Information Center (09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

France National Poisons Control Center ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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

Health hazards

Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Skin sensitization	Category 1	H317 - May cause an allergic skin reaction.

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.
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2.2. Label elements

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

UFI:

Austria: 0550-707A-X00F-H82J
Belgium: 0550-707A-X00F-H82J
Bulgaria: 0550-707A-X00F-H82J
Croatia: 0550-707A-X00F-H82J
Cyprus: 0550-707A-X00F-H82J
Czech Republic: 0550-707A-X00F-H82J
Denmark: 0550-707A-X00F-H82J
Estonia: 0550-707A-X00F-H82J
EU: 0550-707A-X00F-H82J
Finland: 0550-707A-X00F-H82J
France: 0550-707A-X00F-H82J
Germany: 0550-707A-X00F-H82J
Greece: 0550-707A-X00F-H82J
Hungary: 0550-707A-X00F-H82J
Iceland: 0550-707A-X00F-H82J
Ireland: 0550-707A-X00F-H82J
Italy: 0550-707A-X00F-H82J
Latvia: 0550-707A-X00F-H82J
Lithuania: 0550-707A-X00F-H82J
Luxembourg: 0550-707A-X00F-H82J
Malta: 0550-707A-X00F-H82J
Netherlands: 0550-707A-X00F-H82J
Norway: 0550-707A-X00F-H82J
Poland: 0550-707A-X00F-H82J
Portugal: 0550-707A-X00F-H82J
Romania: 0550-707A-X00F-H82J
Slovakia: 0550-707A-X00F-H82J
Slovenia: 0550-707A-X00F-H82J
Spain: 0550-707A-X00F-H82J
Sweden: 0550-707A-X00F-H82J

Contains:

1,4-bis(2,3 epoxypropoxy)butane; butanedioldiglycidyl ether, 2-methoxy-1-methylethyl acetate, 4-MORPHOLINECARBALDEHYDE, benzyl alcohol, bis-[4-(2,3-epoxypropoxy)phenyl]propane

Hazard pictograms



Signal word

Warning

Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H412 Harmful 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.

Storage

Not available.

Disposal

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

Supplemental label information

73,45% of the mixture consists of component(s) of unknown acute oral toxicity. 91,76% of the mixture consists of component(s) of unknown acute inhalation toxicity. 98,74% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 95,92% 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.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Quartz	30 - 60	14808-60-7 238-878-4	-	-	#
Classification: Carc. 1A;H350					
bis-[4-(2,3-epoxypropoxy)phenyl]propane	10 - 30	25068-38-6 216-823-5	01-2119456619-26-0000	603-073-00-2	
Classification: Water-React. 1;H260, Acute Tox. 4;H302;(ATE: 1000 mg/kg bw), Acute Tox. 1;H310;(ATE: 20 mg/kg bw), Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1;H317					
Specific Concentration Limits: Skin Irrit. 2;H315: C ≥ 5 %, Eye Irrit. 2;H319: C ≥ 5 %					
1,4-bis(2,3 epoxypropoxy)butane; butanedioldiglycidyl ether	1 - 5	2425-79-8 219-371-7	-	603-072-00-7	
Classification: Water-React. 3;H261, Acute Tox. 4;H312;(ATE: 1100 mg/kg bw), Acute Tox. 4;H332;(ATE: 11 mg/l), Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1;H317					
benzyl alcohol	1 - 5	100-51-6 202-859-9	01-2119492630-38-0000	603-057-00-5	
Classification: Acute Tox. 4;H302;(ATE: 500 mg/kg bw), Acute Tox. 4;H312;(ATE: 2000 mg/kg bw), Acute Tox. 4;H332;(ATE: 11 mg/l), Aquatic Chronic 2;H411					
2-methoxy-1-methylethyl acetate	< 1	108-65-6 203-603-9	-	607-195-00-7	#
Classification: Flam. Liq. 3;H226					
4-MORPHOLINECARBALDEHYDE	< 1	4394-85-8 224-518-3	01-2119987993-12-0000	-	
Classification: -					
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	< 1	13463-67-7 236-675-5	-	022-006-002	
Classification: Carc. 2;H351					
Other components below reportable levels	10 - < 20				

List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Union workplace exposure limit(s).

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments

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

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation

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

Skin contact

Remove contaminated clothing 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 supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards	Combustible liquid.
5.1. Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	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 containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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	Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. 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	Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).
7.3. Specific end use(s)	Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	Ceiling	550 mg/m3	
		100 ppm	

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

Components	Type	Value	Form
	MAK	275 mg/m ³ 50 ppm	
Quartz (CAS 14808-60-7)	MAK	0,05 mg/m ³	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/m ³	Respirable dust.
	STEL	10 mg/m ³	Respirable dust.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³ 100 ppm	
	TWA	275 mg/m ³ 50 ppm	
Dolomite (CAS 16389-88-1)	TWA	3 mg/m ³	Respirable fraction.
		10 mg/m ³	Inhalable fraction.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	10 mg/m ³	

Bulgaria. OEL values of carcinogens and mutagens at work (Reg. 10/2003 on prot. from carcinogens and mutagens at work, Ann. 1), as amended

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable fraction and dust

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³ 100 ppm	
	TWA	275 mg/m ³ 50 ppm	
benzyl alcohol (CAS 100-51-6)	TWA	5 mg/m ³	
Dolomite (CAS 16389-88-1)	TWA	1 fibers/cm ³	Respirable fraction.
		6 mg/m ³	Inhalable fraction.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	10 mg/m ³	Respirable dust.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	MAC	275 mg/m ³ 50 ppm	
	STEL	550 mg/m ³ 100 ppm	

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

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	MAC	0,1 mg/m ³	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	MAC	4 mg/m ³	Respirable dust.
		10 mg/m ³	Total dust.

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

Components	Type	Value
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	10 mg/m ³

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

Components	Type	Value
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³
		100 ppm
	TWA	275 mg/m ³ 50 ppm

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	Ceiling	550 mg/m ³	
	TWA	270 mg/m ³	
benzyl alcohol (CAS 100-51-6)	Ceiling	80 mg/m ³	
	TWA	40 mg/m ³	
Dolomite (CAS 16389-88-1)	TWA	10 mg/m ³	Dust.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TLV	275 mg/m ³	
		50 ppm	
Quartz (CAS 14808-60-7)	TLV	0,3 mg/m ³	Total
		0,1 mg/m ³	Respirable.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TLV	6 mg/m ³	

Estonia

Components	Type	Value	Form
Dolomite (CAS 16389-88-1)	TWA	5 mg/m ³	Fine dust, respiratory fraction
		1 mg/m ³	Total dust.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³	
		100 ppm	

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

Components	Type	Value	Form
	TWA	275 mg/m3	
		50 ppm	
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 ≤ 10 µm] (CAS 13463-67-7)	TWA	5 mg/m3	

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	
	TWA	270 mg/m3	
		50 ppm	
benzyl alcohol (CAS 100-51-6)	TWA	45 mg/m3	
		10 ppm	
Dolomite (CAS 16389-88-1)	TWA	10 mg/m3	Dust.
Quartz (CAS 14808-60-7)	TWA	0,05 mg/m3	Respirable.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	10 mg/m3	Dust.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	VLE	550 mg/m3	
		100 ppm	
	VME	275 mg/m3	
		50 ppm	
Quartz (CAS 14808-60-7)	VME	0,1 mg/m3	Respirable dust.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	VLE	550 mg/m3	
Regulatory status: Regulatory binding (VRC)		100 ppm	
Regulatory status: Regulatory binding (VRC)	VME	275 mg/m3	
Regulatory status: Regulatory binding (VRC)		50 ppm	
Regulatory status: Regulatory binding (VRC)			
Dolomite (CAS 16389-88-1)	VME	5 mg/m3	Respirable fraction.
Regulatory status: Regulatory binding (VRC)			
		10 mg/m3	Inhalable fraction.
Regulatory status: Regulatory binding (VRC)			
Quartz (CAS 14808-60-7)	VME	0,1 mg/m3	Respirable fraction.
Regulatory status: Regulatory binding (VRC)			

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

Components	Type	Value	Form
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	VME	10 mg/m3	
Regulatory status: Indicative limit (VL)			

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA	270 mg/m3 50 ppm	
benzyl alcohol (CAS 100-51-6)	TWA	22 mg/m3 5 ppm	Vapor and aerosol. Vapor and aerosol.
Dolomite (CAS 16389-88-1)	TWA	4 mg/m3 0,3 mg/m3	Inhalable dust. Respirable dust.
titanium dioxide [in powder form containing 1 % or more 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 Ambient Air at the Workplace

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	AGW	270 mg/m3 50 ppm	
benzyl alcohol (CAS 100-51-6)	AGW	22 mg/m3 5 ppm	Vapor and aerosol. Vapor and aerosol.
Dolomite (CAS 16389-88-1)	AGW	10 mg/m3 1,25 mg/m3	Inhalable fraction. Respirable fraction.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	AGW	10 mg/m3 1,25 mg/m3	Inhalable fraction. Respirable fraction.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	100 ppm 275 mg/m3 50 ppm	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Inhalable

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	275 mg/m3	
Dolomite (CAS 16389-88-1)	TWA	6 mg/m3	Respirable dust.

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

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	10 mg/m3	Total inhalable dust.
		0,1 mg/m3	Respirable dust.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	100 ppm 275 mg/m3	
Dolomite (CAS 16389-88-1)	TWA	50 ppm 5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Quartz (CAS 14808-60-7)	TWA	0,3 mg/m3	Total dust.
		0,1 mg/m3	Respirable dust.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	6 mg/m3	

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	100 ppm 275 mg/m3	
Dolomite (CAS 16389-88-1)	TWA	50 ppm 4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.
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 ≤ 10 µm] (CAS 13463-67-7)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	100 ppm 275 mg/m3	
Quartz (CAS 14808-60-7)	TWA	50 ppm 0,025 mg/m3	Respirable fraction.
	TWA	2,5 mg/m3	Respirable finescale particles
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)		0,2 mg/m3	Respirable nanoscale particles

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	

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

Components	Type	Value	Form
	TWA	275 mg/m ³ 50 ppm	
benzyl alcohol (CAS 100-51-6)	TWA	5 mg/m ³	
Dolomite (CAS 16389-88-1)	TWA	6 mg/m ³	
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	10 mg/m ³	

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	400 mg/m ³ 75 ppm	
	TWA	250 mg/m ³ 50 ppm	
benzyl alcohol (CAS 100-51-6)	TWA	5 mg/m ³	
Dolomite (CAS 16389-88-1)	TWA	5 mg/m ³ 10 mg/m ³ 1 mg/m ³	Respirable fraction. Inhalable fraction. Dust.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable fraction.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	5 mg/m ³	

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

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable dust.

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

Components	Type	Value
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³ 100 ppm
	TWA	275 mg/m ³ 50 ppm

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

Components	Type	Value
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³ 100 ppm
	TWA	275 mg/m ³ 50 ppm

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA	550 mg/m ³	
Quartz (CAS 14808-60-7)	TWA	0,075 mg/m ³	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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TLV	270 mg/m ³	
		50 ppm	
Dolomite (CAS 16389-88-1)	TLV	5 mg/m ³	Respirable dust.
		10 mg/m ³	Total dust.
Quartz (CAS 14808-60-7)	TLV	0,3 mg/m ³	Total dust.
		0,05 mg/m ³	Respirable dust.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TLV	5 mg/m ³	

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	520 mg/m ³	
	TWA	260 mg/m ³	
benzyl alcohol (CAS 100-51-6)	TWA	240 mg/m ³	
Dolomite (CAS 16389-88-1)	TWA	10 mg/m ³	Inhalable fraction.
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable fraction.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	STEL	30 mg/m ³	
	TWA	10 mg/m ³	Inhalable fraction.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³	
		100 ppm	
	TWA	275 mg/m ³	
		50 ppm	

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

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,025 mg/m ³	Respirable fraction.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	10 mg/m ³	

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³	
		100 ppm	

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

Components	Type	Value
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	275 mg/m ³
		50 ppm
	STEL	15 mg/m ³
	TWA	10 mg/m ³

Slovakia. OELs for carcinogens and mutagens. Regulation No. 356/2006 on carcinogenic and mutagenic substances, as amended

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m ³	Respirable fraction.

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

Components	Type	Value
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³
		100 ppm
	TWA	275 mg/m ³
		50 ppm
Dolomite (CAS 16389-88-1)	TWA	10 mg/m ³
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	5 mg/m ³

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA	275 mg/m ³	
		50 ppm	
benzyl alcohol (CAS 100-51-6)	TWA	22 mg/m ³	
		5 ppm	
Dolomite (CAS 16389-88-1)	TWA	10 mg/m ³	Inhalable fraction.
		1,25 mg/m ³	Respirable fraction.
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	TWA	10 mg/m ³	Inhalable fraction.
		1,25 mg/m ³	Respirable fraction.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m ³	
		100 ppm	
		TWA	275 mg/m ³
		50 ppm	
Dolomite (CAS 16389-88-1)	TWA	3 mg/m ³	Respirable fraction.
		10 mg/m ³	Inhalable fraction.
Quartz (CAS 14808-60-7)	TWA	0,05 mg/m ³	Respirable fraction.

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

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

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	Ceiling	550 mg/m3	
		100 ppm	
	TWA	275 mg/m3	
Dolomite (CAS 16389-88-1)	TWA	50 ppm	
		5 mg/m3	Inhalable dust.
		2,5 mg/m3	Respirable dust.
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 ≤ 10 µm] (CAS 13463-67-7)	TWA	5 mg/m3	Total dust.

Switzerland. SUVA Grenzwerte am Arbeitsplatz: Aktuelle MAK-Werte

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	275 mg/m3	
		50 ppm	
	TWA	275 mg/m3	
benzyl alcohol (CAS 100-51-6)	TWA	50 ppm	
		22 mg/m3	Vapor and aerosol.
		5 ppm	Vapor and aerosol.
Dolomite (CAS 16389-88-1)	TWA	3 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
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 ≤ 10 µm] (CAS 13463-67-7)	TWA	3 mg/m3	Respirable dust.

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

Components	Type	Value	Form
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	548 mg/m3	
		100 ppm	
	TWA	274 mg/m3	
Dolomite (CAS 16389-88-1)	TWA	50 ppm	
		4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
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 ≤ 10 µm] (CAS 13463-67-7)	TWA	4 mg/m3	Respirable.
		10 mg/m3	Inhalable

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

Components	Type	Value
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm

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

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction and dust

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

Austria MAK: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Belgium OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Bulgaria OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Croatia ELVs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Czech Republic PELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Denmark GV: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Estonia OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

EU Exposure Limit Values: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Finland Exposure Limit Values: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

France INRS: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

France Mandatory OELs (VLEP): Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Germany DFG MAK (advisory): Skin designation

benzyl alcohol (CAS 100-51-6) Can be absorbed through the skin.

Germany TRGS 900 Limit Values: Skin designation

benzyl alcohol (CAS 100-51-6) Can be absorbed through the skin.

Greece OEL: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Iceland OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Ireland Exposure Limit Values: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Italy OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Danger of cutaneous absorption

Latvia OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Lithuania OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

benzyl alcohol (CAS 100-51-6) Can be absorbed through the skin.

Luxembourg OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Malta OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Norway Exposure Limit Values: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Portugal OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Romania OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Slovakia OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

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

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

benzyl alcohol (CAS 100-51-6) Can be absorbed through the skin.

Spain OELs: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Sweden Threshold Limit Values: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

Switzerland SUVA Limit Values at the Workplace: Skin designation

benzyl alcohol (CAS 100-51-6) Can be absorbed through the skin.

UK EH40 WEL: Skin designation

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Can be absorbed through the skin.

8.2. Exposure controls**Appropriate engineering controls**

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

Individual protection measures, such as personal protective equipment**General information**

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear safety glasses with side shields (or goggles). Face shield is recommended.

Skin protection**- Hand protection**

Wear appropriate chemical resistant gloves.

- Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

When using do not smoke. 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.

Environmental exposure controls

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**9.1. Information on basic physical and chemical properties**

Physical state	Liquid.
Form	Liquid.
Color	Light grey
Odor	Not available.
Melting point/freezing point	46,4 °F (8 °C) estimated
Boiling point or initial boiling point and boiling range	Not available.
Flammability	Not applicable.
Flash point	>392,0 °F (>200,0 °C)

Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
pH	Not available.
Kinematic viscosity	Not available.
Solubility	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water) (log value)	Not available.
Vapor pressure	-0,01 hPa estimated
Density and/or relative density	
Density	1,81 g/cm ³
Vapor density	Not available.
Particle characteristics	Not available.

9.2. Other information

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

9.2.2. Other safety characteristics

Specific gravity 1,81

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. 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	Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. 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
benzyl alcohol (CAS 100-51-6)		
Acute		
Dermal		
LD50	Rabbit	2000 mg/kg
bis-[4-(2,3-epoxipropoxy)phenyl]propane (CAS 25068-38-6)		
Acute		
Dermal		
LD50	Rabbit	20 mg/kg
Oral		
LD50	Rat	> 1000 mg/kg

Components	Species	Test Results
titanium dioxide [in powder form containing 1 % or more of particles 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 irritation	Causes serious eye irritation.	
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.	
Skin sensitization	May cause an allergic skin reaction.	
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.	
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.	
Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)		
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)		
IARC Monographs. Overall Evaluation of Carcinogenicity		
bis-[4-(2,3-epoxipropoxy)phenyl]propane (CAS 25068-38-6)	3 Not classifiable as to carcinogenicity to humans.	
Quartz (CAS 14808-60-7)	1 Carcinogenic to humans.	
titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	2B Possibly carcinogenic to humans.	
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 hazards		
Endocrine disrupting properties	This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.	
Other information	Not available.	

SECTION 12: Ecological information

12.1. Toxicity	Harmful to aquatic life with long lasting effects. Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.	
12.2. Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.	
12.3. Bioaccumulative potential		
Partition coefficient n-octanol/water (log Kow)		
benzyl alcohol	1,1	
bis-[4-(2,3-epoxipropoxy)phenyl]propane	3,84	
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.	

12.8. Additional information

Estonia Dangerous substances in soil Data

benzyl alcohol (CAS 100-51-6)

Chemical pesticides (As the total sum of the active substances)

0,5 MG/KG

Chemical pesticides (As the total sum of the active substances) 20 MG/KG

Chemical pesticides (As the total sum of the active substances) 5 MG/KG

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

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

RID

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

ADN

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

IATA

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

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

14.4. Packing group -

14.5. Environmental hazards No.

14.6. Special precautions Not assigned.

for user

IMDG

14.1. UN number Not regulated as dangerous goods.

14.2. UN proper shipping Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

14.4. Packing group -

14.5. Environmental hazards

Marine pollutant No.

EmS Not assigned.

14.6. Special precautions Not assigned.

for user

14.7. Maritime transport in bulk Not established.

according to IMO instruments

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

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

Not listed.

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

Not listed.

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

Not listed.

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

Not listed.

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

Not listed.

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

Not listed.

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

titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] (CAS 13463-67-7)

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

Not listed.

UFI:

Austria: 0550-707A-X00F-H82J
 Belgium: 0550-707A-X00F-H82J
 Bulgaria: 0550-707A-X00F-H82J
 Croatia: 0550-707A-X00F-H82J
 Cyprus: 0550-707A-X00F-H82J
 Czech Republic: 0550-707A-X00F-H82J
 Denmark: 0550-707A-X00F-H82J
 Estonia: 0550-707A-X00F-H82J
 EU: 0550-707A-X00F-H82J
 Finland: 0550-707A-X00F-H82J
 France: 0550-707A-X00F-H82J
 Germany: 0550-707A-X00F-H82J
 Greece: 0550-707A-X00F-H82J
 Hungary: 0550-707A-X00F-H82J
 Iceland: 0550-707A-X00F-H82J
 Ireland: 0550-707A-X00F-H82J
 Italy: 0550-707A-X00F-H82J
 Latvia: 0550-707A-X00F-H82J
 Lithuania: 0550-707A-X00F-H82J
 Luxembourg: 0550-707A-X00F-H82J
 Malta: 0550-707A-X00F-H82J
 Netherlands: 0550-707A-X00F-H82J
 Norway: 0550-707A-X00F-H82J
 Poland: 0550-707A-X00F-H82J
 Portugal: 0550-707A-X00F-H82J
 Romania: 0550-707A-X00F-H82J
 Slovakia: 0550-707A-X00F-H82J
 Slovenia: 0550-707A-X00F-H82J
 Spain: 0550-707A-X00F-H82J
 Sweden: 0550-707A-X00F-H82J

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 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 toxic substances

titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS 13463-67-7)	Anorganische Faserstäube, soweit nicht erwähnt (ausgenommen Gipsfasern und Wollastonitfasern)
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France regulations**France INRS Table of Occupational Diseases**

bis-[4-(2,3-epoxypropoxy)phenyl]propane (CAS 25068-38-6)	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 silice cristalline (quartz, cristobalite, tridymite), des silicates cristallins (kaolin, talc), du graphite ou de la houille 25

Product registration number

Austria	UFI: 0550-707A-X00F-H82J
Belgium	UFI: 0550-707A-X00F-H82J
Czech Republic	UFI: 0550-707A-X00F-H82J
Denmark	UFI: 0550-707A-X00F-H82J
European Union	UFI: 0550-707A-X00F-H82J
Finland	UFI: 0550-707A-X00F-H82J
France	UFI: 0550-707A-X00F-H82J

Germany	UFI: 0550-707A-X00F-H82J
Greece	UFI: 0550-707A-X00F-H82J
Hungary	UFI: 0550-707A-X00F-H82J
Italy	UFI: 0550-707A-X00F-H82J
Netherlands	UFI: 0550-707A-X00F-H82J
Norway	UFI: 0550-707A-X00F-H82J
Poland	UFI: 0550-707A-X00F-H82J
Portugal	UFI: 0550-707A-X00F-H82J
Slovakia	UFI: 0550-707A-X00F-H82J
Slovenia	UFI: 0550-707A-X00F-H82J
Spain	UFI: 0550-707A-X00F-H82J
Sweden	UFI: 0550-707A-X00F-H82J
Switzerland	UFI: 0550-707A-X00F-H82J

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

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

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

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

H226 Flammable liquid and vapor.
 H260 In contact with water releases flammable gases which may ignite spontaneously.
 H261 In contact with water releases flammable gas.
 H302 Harmful if swallowed.
 H310 Fatal in contact with skin.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 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.