SAFETY DATA SHEET

Version #: 01

Issue date: 07-24-2023

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

1.1. Product identifier

Trade name or designation

of the mixture

Registration number

Synonyms None

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

WB D Component A

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

Emergency Number

e-mail customerservice.shannon@itwpp.com

Contact person Not available.

1.4. Emergency telephone

number

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

the Emergency Service.)

Austria National Poisons

Information Center

+431 406 4343 (Available 24 hours a day. SDS/Product information may not be

44(0)1235 239 670

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

16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed

Information Center

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

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

H315 - Causes skin irritation. Skin corrosion/irritation Category 2 Serious eye damage/eye irritation H319 - Causes serious eye Category 2 irritation.

H317 - May cause an allergic skin

SDS FII

reaction.

Environmental hazards

Skin sensitization

Hazardous to the aquatic environment, Category 2 H411 - Toxic to aquatic life with

long-term aquatic hazard long lasting effects.

Category 1

2.2. Label elements

Material name: WB D Component A

4440 Version #: 01 Issue date: 07-24-2023

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

UFI:

Austria: T300-C0GW-V008-G3PR Belgium: T300-C0GW-V008-G3PR Bulgaria: T300-C0GW-V008-G3PR Croatia: T300-C0GW-V008-G3PR Cyprus: T300-C0GW-V008-G3PR

Czech Republic: T300-C0GW-V008-G3PR
Denmark: T300-C0GW-V008-G3PR
Estonia: T300-C0GW-V008-G3PR
EU: T300-C0GW-V008-G3PR
Finland: T300-C0GW-V008-G3PR
France: T300-C0GW-V008-G3PR
Germany: T300-C0GW-V008-G3PR
Greece: T300-C0GW-V008-G3PR
Hungary: T300-C0GW-V008-G3PR
Iceland: T300-C0GW-V008-G3PR

Hungary: T300-C0GW-V008-G3PR Iceland: T300-C0GW-V008-G3PR Ireland: T300-C0GW-V008-G3PR Italy: T300-C0GW-V008-G3PR Latvia: T300-C0GW-V008-G3PR Lithuania: T300-C0GW-V008-G3PR Luxembourg: T300-C0GW-V008-G3PR Malta: T300-C0GW-V008-G3PR Netherlands: T300-C0GW-V008-G3PR Norway: T300-C0GW-V008-G3PR

Poland: T300-C0GW-V008-G3PR Portugal: T300-C0GW-V008-G3PR Romania: T300-C0GW-V008-G3PR Slovakia: T300-C0GW-V008-G3PR Slovenia: T300-C0GW-V008-G3PR Spain: T300-C0GW-V008-G3PR

Sweden: T300-C0GW-V008-G3PR

1,6-BIS(2,3-EPOXYPROPOXY)HEXANE, 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve, 2-methoxy-1-methylethyl acetate, Phenol Polymer With Formaldehyde, Glycidyl Ether, Polysulfide Polymer, Particulate, reaction product: bisphenol-A-(epichlorhydrin); epoxy resin

(number average molecular weight ≤ 700), trizinc bis(orthophosphate), zinc oxide

Hazard pictograms

Contains:



Signal word Warning

Hazard statements

H315 Causes skin irritation.

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

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P261 Avoid breathing mist/vapors.
P264 Wash thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.
P280 Wear eye protection/face protection.

P280 Wear protective gloves.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Ğet medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage. **Storage** Not available.

Disposal

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

Supplemental label information 78,5% of the mixture consists of component(s) of unknown acute oral toxicity. 78,5% of the

mixture consists of component(s) of unknown acute dermal toxicity. 78,5% of the mixture consists

of component(s) of unknown acute 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
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	30-60%	25068-38-6 500-033-5	01-2119456619-26-0000	603-074-00-8	
Classification	Skin Irrit. 2 Chronic 2;H		319, Skin Sens. 1;H317, Aqu	ıatic	
Specific Concentration Limits:	Skin Irrit. 2	;H315: C ≥ 5 %, Eye	e Irrit. 2;H319: C ≥ 5 %		
Polysulfide Polymer, Particulate	10-30%	68611-50-7 -	-	-	
Classification:	-				
Phenol Polymer With Formaldehyde, Glycidyl Ether	5-10%	28064-14-4 -	-	-	
Classification:	-				
1,6-BIS(2,3-EPOXYPROPOXY)HEXA NE	1-5%	16096-31-4 240-260-4	-	-	
Classification:	-				
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	1-5%	111-76-2 203-905-0	-	603-014-00-0	#
Classification:	mg/kg bw),	4;H302;(ATE: 1200 Acute Tox. 4;H312, 5, Eye Irrit. 2;H319	mg/kg bw), Acute Tox. 3;H3, Acute Tox. 4;H332;(ATE: 1	11;(ATE: 400 1 mg/l), Skin	
trizinc bis(orthophosphate)	1-5%	7779-90-0 231-944-3	-	030-011-00-6	
Classification:	Aquatic Ac	ute 1;H400, Aquatic	Chronic 1;H410		
2-methoxy-1-methylethyl acetate	<1%	108-65-6 203-603-9	-	607-195-00-7	#
Classification:	Flam. Liq. 3	3;H226			
zinc oxide	<1%	1314-13-2 215-222-5	-	030-013-00-7	
Classification	Aquatic Ac	ute 1;H400, Aquatic	Chronic 1:H410		

Other components below reportable levels

List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

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

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

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

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.

Rinse mouth. Get medical attention if symptoms occur. Ingestion

Material name: WB D Component A

SDS EU 4440 Version #: 01 Issue date: 07-24-2023

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

No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing

media

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

Unsuitable extinguishing media

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

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

5.3. Advice for firefighters

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

Special fire fighting procedures

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

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. 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. 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

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

ANNEX 1, PART 1 Categories of dangerous substances

Hazard categories in accordance with Regulation (EC) No 1272/2008

 E2 Hazardous to the Aquatic Environment Chronic (Lower-tier requirements = 200 tons; Upper-tier requirements = 500 tons)

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Material name: WB D Component A

Occupational exposure limits

STEL 20 mg/m3 Inhalable fraction 10 mg/m3 Respirable fraction 10 mg/m3 111-76-2) 50 ppm 100	Components	Туре	Value	Form
STEL	ethyleneglycol monobutyl ether; butyl cellosolve (CAS	MAK	98 mg/m3	
2-methoxy-1-methylethyl accetate (CAS 108-65-6) MAK 275 mg/m3 100 ppm 550 mg/m3 50 ppm 50 ppm			20 ppm	
Ceiling		STEL	200 mg/m3	
100 ppm			40 ppm	
MAK 275 mg/m3 50 ppm 50 ppm 10		Ceiling	550 mg/m3	
S0 ppm Since oxide (CAS 1314-13-2) MAK 5 mg/m3 Fume and respirate dust.			100 ppm	
MAK 5 mg/m3 Fume and respiratus of the process of the proces		MAK	275 mg/m3	
STEL 20 mg/m3 Inhalable fraction 10 mg/m3 Respirable fraction 100 mg/m3			50 ppm	
Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title Chemical agents, as amended Components Type Value Form 2-butoxyethanol; STEL 246 mg/m3 2-butoxyethanol; STEL 246 mg/m3 TWA 98 mg/m3 20 ppm TWA 275 mg/m3 50 ppm TWA 275 mg/m3 Respirable fractic for the control of workers against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; STEL 246 mg/m3 TWA 275 mg/m3 50 ppm TWA 275 mg/m3 Respirable fractic control of workers against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; STEL 246 mg/m3 TWA 98 mg/m3 20 ppm TWA 275 mg/m3 50 ppm	zinc oxide (CAS 1314-13-2)	MAK	5 mg/m3	Fume and respirable dust.
Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title Chemical agents, as amended Components Type Value Form		STEL	20 mg/m3	Inhalable fraction.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 1111-76-2) TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl STEL 550 mg/m3 acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm TWA 275 mg/m3 Respirable fraction of workers against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; STEL 246 mg/m3 ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) TWA 98 mg/m3 20 ppm TWA 2 mg/m3 Respirable fraction of workers against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; STEL 246 mg/m3 ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) TWA 98 mg/m3 20 ppm TWA 98 mg/m3 20 ppm TWA 275 mg/m3 500 ppm TWA 275 mg/m3 500 ppm			10 mg/m3	Respirable fraction.
Type Value Form		ues to Chemical Substances	at Work, Code of Well-being a	at work, Book VI, Title 1
### STEL		Туре	Value	Form
TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm Zinc oxide (CAS 1314-13-2) STEL 10 mg/m3 Respirable fractic TWA 2 mg/m3 Respirable fractic Bulgaria. OELs. Ordinance No 13 on protection of workers against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; STEL 246 mg/m3 STEL 246 mg/m3 TWA 98 mg/m3 20 ppm TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm TWA 275 mg/m3 50 ppm	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	STEL	246 mg/m3	
20 ppm 2-methoxy-1-methylethyl acetate (CAS 108-65-6) 2-methoxy-1-methylethyl acetate (CAS 108-65-6) TWA TWA 275 mg/m3 50 ppm 275 mg/m3 Respirable fraction of protection of workers against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) TWA 2-methoxy-1-methylethyl acetate (CAS 108-65-6) TWA 20 ppm TWA 20 ppm 100 ppm TWA 246 mg/m3 20 ppm 2-methoxy-1-methylethyl acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm			50 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6) 2-methoxy-1-methylethyl acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm 2minc oxide (CAS 1314-13-2) STEL TWA 2 mg/m3 Respirable fraction of workers against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; 2-butoxyethanol; 2-butoxyethanol; 2-butyl cellosolve (CAS 111-76-2) TWA STEL 50 ppm TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm TWA 275 mg/m3 50 ppm		TWA	98 mg/m3	
TWA 275 mg/m3 50 ppm TWA 275 mg/m3 50 ppm Zinc oxide (CAS 1314-13-2) STEL 10 mg/m3 Respirable fractic Bulgaria. OELs. Ordinance No 13 on protection of workers against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; STEL 246 mg/m3 Ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl STEL 550 mg/m3 TWA 275 mg/m3 50 ppm			20 ppm	
TWA 275 mg/m3 50 ppm zinc oxide (CAS 1314-13-2) STEL 10 mg/m3 Respirable fractic TWA 2 mg/m3 Respirable fractic Sulgaria. OELs. Ordinance No 13 on protection of workers against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; ether; butyl cellosolve (CAS 111-76-2) TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm		STEL	550 mg/m3	
zinc oxide (CAS 1314-13-2) STEL TWA 2 mg/m3 Respirable fractic Respirable fractic Respirable fractic TWA 2 mg/m3 Respirable fractic Resp			100 ppm	
zinc oxide (CAS 1314-13-2) STEL TWA 2 mg/m3 Respirable fraction TWA 2 mg/m3 Respirable fraction Respirable fraction Respirable fraction TWA 2 mg/m3 Respirable fraction Respirable fraction Respirable fraction TWA 2 mg/m3 Respirable fraction Respirable fraction Respirable fraction TWA 2 mg/m3 Respirable fraction Respirable fraction 1 mg/m3 Respirable fraction Respirable fraction 2 mg/m3 Respirable fraction Respirable fraction 2 mg/m3 Respirable fraction Respirable fraction 2 mg/m3 Fraction Type Value 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 50 ppm TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl accetate (CAS 108-65-6) 100 ppm TWA 275 mg/m3 50 ppm		TWA	275 mg/m3	
TWA 2 mg/m3 Respirable fractions against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 1111-76-2) TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl accetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm			50 ppm	
Bulgaria. OELs. Ordinance No 13 on protection of workers against risks of exposure to chemical agents at work, amended Components Type Value 2-butoxyethanol; STEL 246 mg/m3	zinc oxide (CAS 1314-13-2)	STEL	10 mg/m3	Respirable fraction.
Type Value		TWA	2 mg/m3	Respirable fraction.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl accetate (CAS 108-65-6) TWA 550 mg/m3 100 ppm 1		on protection of workers agai	nst risks of exposure to chen	nical agents at work, as
ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl acetate (CAS 108-65-6) TWA 50 ppm 100 ppm TWA 275 mg/m3 50 ppm	Components	Type	Value	
TWA 98 mg/m3 20 ppm 2-methoxy-1-methylethyl STEL 550 mg/m3 acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	-	
20 ppm 2-methoxy-1-methylethyl sTEL 550 mg/m3 acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm		T\A/A	• •	
2-methoxy-1-methylethyl STEL 550 mg/m3 acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm		IVVA	_	
TWA 108-65-6) TWA 275 mg/m3 50 ppm	Somether and a second second	OTE!	• •	
TWA 275 mg/m3 50 ppm		SIEL	_	
50 ppm		T\\/A	• •	
		IVVA	_	
2110 UXIUE (CAS 1314-13-2) STEL TU Mg/M3	zino ovido (CAS 4244 42 0)	CTFI		
TWA 5 mg/m3	∠inc oxide (CAS 1314-13-2)	SIEL	TU mg/m3	

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

MAC	98 mg/m3	
	20 ppm	
STEL	246 mg/m3	
	50 ppm	
MAC	275 mg/m3	
	50 ppm	
STEL	550 mg/m3	
	100 ppm	
MAC	2 mg/m3	Respirable dust.
STEL	10 mg/m3	Respirable dust.
	bstances in factories regulat Value	ion, PI 311/73, as amended Form
TWA	5 mg/m3	Fume.
re Limit Values of Chemical	· ·	
Type	Value	
STEL	246 mg/m3	
	50 ppm	
TWA	98 mg/m3	
	20 ppm	
STEL	550 mg/m3	
	100 ppm	
TWA	275 mg/m3	
	50 ppm	
	ls at work (Decree on protect	ion of health at work,
Туре	Value	
Ceiling	200 mg/m3	
TWA	100 mg/m3	
Ceiling	550 mg/m3	
TWA	270 mg/m3	
Ceiling	5 mg/m3	
TWA	2 mg/m3	
-	estances & Materials, Annex : Value	2
TLV	98 mg/m3	
	20 ppm	
TLV	275 mg/m3	
	MAC STEL MAC STEL mosphere and dangerous surype TWA are Limit Values of Chemical ended) Type STEL TWA STEL TWA STEL TWA Ceiling TWA Ceiling	MAC 275 mg/m3 50 ppm STEL 550 mg/m3 100 ppm MAC 2 mg/m3 100

Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, Annex 2 Components Type 50 ppm zinc oxide (CAS 1314-13-2) TLV 4 mg/m3 Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended Components **Type** Value 2-butoxyethanol; **STEL** 246 mg/m3 ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 50 ppm **TWA** 98 mg/m3 20 ppm 2-methoxy-1-methylethyl **STEL** 550 mg/m3 acetate (CAS 108-65-6) 100 ppm **TWA** 275 mg/m3 50 ppm zinc oxide (CAS 1314-13-2) **TWA** 5 mg/m3 Finland. HTP-arvot, App 3., Binding Limit Values, Social Affairs and Ministry of Health **Form** Components **Type** Value 2-butoxyethanol; **STEL** 250 mg/m3 ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 50 ppm **TWA** 98 mg/m3 20 ppm 2-methoxy-1-methylethyl **STEL** 550 mg/m3 acetate (CAS 108-65-6) 100 ppm **TWA** 270 mg/m3 50 ppm **STEL** Fume. zinc oxide (CAS 1314-13-2) 10 mg/m3 2 mg/m3 **TWA** Fume. France. OELs. Occupational Exposure Limits as Prescribed by Art. R.4412-149 of Labor Code, as amended Components Value Type **VLE** 2-butoxyethanol; 246 mg/m3 ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 50 ppm **VME** 49 mg/m3 10 ppm 2-methoxy-1-methylethyl **VLE** 550 mg/m3 acetate (CAS 108-65-6) 100 ppm **VME** 275 mg/m3 50 ppm France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 Components Value Form Type 2-butoxyethanol; **VLE** 246 mg/m3 ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) Regulatory binding (VRC) Regulatory status:

Material name: WB D Component A

4440 Version #: 01 Issue date: 07-24-2023

France. Threshold Limit Values	(VLEP) for Occupational Expos	sure to Chemicals in France, IN	RS ED 984
Components	Type	Value	Form

Components	Туре	Value	Form	
		50 ppm		
Regulatory status:	Regulatory binding (VRC)			
	VME	49 mg/m3		
Regulatory status:	Regulatory binding (VRC)			
		10 ppm		
Regulatory status:	Regulatory binding (VRC)			
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)			
zinc oxide (CAS 1314-13-	2) VME	5 mg/m3	Fume.	
Regulatory status:	Indicative limit (VL)			
		10 mg/m3	Dust.	

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	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	TWA	49 mg/m3	
		10 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA	270 mg/m3	
		50 ppm	
trizinc bis(orthophosphate) (CAS 7779-90-0)	TWA	2 mg/m3	Inhalable fraction.
		0,1 mg/m3	Respirable fraction.
Germany. TRGS 900, Limit Values	in the Ambient Air at the Workplace		
Components	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	AGW	49 mg/m3	
		10 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	AGW	270 mg/m3	
		50 ppm	
zinc oxide (CAS 1314-13-2)	AGW	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
Greece. OELs, Presidential Decree	e No. 307/1986, as amended		
Components	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	TWA	120 mg/m3	
		25 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	

Material name: WB D Component A

Greece. OELs, Presidential Decree Components	Type	Value	Form
	TWA	275 mg/m3	
		50 ppm	
zinc oxide (CAS 1314-13-2)	STEL	10 mg/m3	Fume.
,	TWA	5 mg/m3	Fume.
Hungary. OELs. Decree on protect	ion of workers exposed to chemi	_	Annov 182 as amonded
Components	Type	Value	Form
2-butoxyethanol;	STEL	246 mg/m3	
ethyleneglycol monobutyl ether; butyl cellosolve (CAS l11-76-2)			
	TWA	98 mg/m3	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	TWA	275 mg/m3	
zinc oxide (CAS 1314-13-2)	TWA	5 mg/m3	Fume.
		5 mg/m3	Dust.
celand. OELs. Regulation 390/200			•
Components	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	246 mg/m3	
		50 ppm	
	TWA	100 mg/m3	
		20 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	
	TWA	275 mg/m3	
		50 ppm	
zinc oxide (CAS 1314-13-2)	TWA	4 mg/m3	Fume.
reland. OELVs, Schedules 1 & 2, 0 Components	Code of Practice for Chemical Ag Type	ents and Carcinogens Re Value	gulations Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	STEL	246 mg/m3	
11-76-2)		50 ppm	
	TWA	98 mg/m3	
	1 **/ \	20 ppm	
2-methoxy-1-methylethyl	STEL	550 mg/m3	
acetate (CAS 108-65-6)	O.LL	-	
		100 ppm	
	TWA	275 mg/m3	
		50 ppm	
inc oxide (CAS 1314-13-2)	STEL	10 mg/m3	Respirable fraction and fume.
	TWA	2 mg/m3	Respirable fraction and fume.
taly. OELs (Legislative Decree n.8 Components	1, 9 April 2008), as amended Type	Value	Form
			. •
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	246 mg/m3	

Italy. OELs (Legislative Decree n.8 Components	Туре	Value	Form
r	7 F -	50 ppm	
	TWA	98 mg/m3	
	111/1	20 ppm	
2-methoxy-1-methylethyl	STEL	550 mg/m3	
acetate (CAS 108-65-6)	OTEL	330 mg/m3	
		100 ppm	
	TWA	275 mg/m3	
		50 ppm	
zinc oxide (CAS 1314-13-2)	STEL	10 mg/m3	Respirable fraction.
	TWA	2 mg/m3	Respirable fraction.
Latvia. OELs. Occupational Expos 1), as amended	ure Limits of Chemical Subst	ances at Workplace (Reg. No.	. 325/ 2007, L.V. 80, Annex
Components	Туре	Value	
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	246 mg/m3	
,		50 ppm	
	TWA	98 mg/m3	
		20 ppm	
2-methoxy-1-methylethyl	STEL	550 mg/m3	
acetate (CAS 108-65-6)		100 ppm	
	TWA	275 mg/m3	
	1 7 7 7	270 1119/1110	
	IVVA	_	
zinc oxide (CAS 1314-13-2)	TWA	50 ppm 0,5 mg/m3	rm UN 22:2044; Ordor No
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components	TWA posure Limit Values for Chem Type	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value	rm HN 23:2011; Order No.
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	TWA posure Limit Values for Chem	50 ppm 0,5 mg/m3 ical Substances (Hygiene No	rm HN 23:2011; Order No.
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	TWA posure Limit Values for Chem Type STEL	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value	rm HN 23:2011; Order No.
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	TWA posure Limit Values for Chem Type	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3	rm HN 23:2011; Order No.
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	TWA posure Limit Values for Chem Type STEL	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3	rm HN 23:2011; Order No.
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	TWA posure Limit Values for Chem Type STEL	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3	rm HN 23:2011; Order No.
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	TWA posure Limit Values for Chem Type STEL TWA STEL	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3 75 ppm	rm HN 23:2011; Order No.
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended	TWA posure Limit Values for Chem Type STEL TWA	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3 75 ppm 250 mg/m3	rm HN 23:2011; Order No.
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA posure Limit Values for Chem Type STEL TWA STEL TWA	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3 75 ppm 250 mg/m3 50 ppm	rm HN 23:2011; Order No.
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	TWA posure Limit Values for Chem Type STEL TWA STEL	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3 75 ppm 250 mg/m3	rm HN 23:2011; Order No.
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl accetate (CAS 108-65-6) zinc oxide (CAS 1314-13-2) Luxembourg. OELs. Binding Occu	TWA Type STEL TWA STEL TWA TWA TWA TWA TWA TWA TWA TW	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3 75 ppm 250 mg/m3 50 ppm 5 mg/m3 50 ppm 5 mg/m3	
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl accetate (CAS 108-65-6) zinc oxide (CAS 1314-13-2) Luxembourg. OELs. Binding Occu	TWA posure Limit Values for Chem Type STEL TWA STEL TWA TWA TWA	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3 75 ppm 250 mg/m3 50 ppm 5 mg/m3	
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl acetate (CAS 108-65-6) zinc oxide (CAS 1314-13-2) Luxembourg. OELs. Binding Occu n° 235/2016, as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	TWA Type STEL TWA STEL TWA TWA TWA TWA TWA TWA TWA TW	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3 75 ppm 250 mg/m3 50 ppm 5 mg/m3 50 ppm 5 mg/m3	
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl accetate (CAS 108-65-6) zinc oxide (CAS 1314-13-2) Luxembourg. OELs. Binding Occu n° 235/2016, as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	TWA Type STEL TWA STEL TWA TWA TWA TWA TWA TWA TWA TW	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3 75 ppm 250 mg/m3 50 ppm 5 mg/m3 50 ppm 5 mg/m3 es (Annex I), G.D.R. of 14 Nov	
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA Type STEL TWA STEL TWA TWA TWA TWA TWA TWA TWA TW	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3 75 ppm 250 mg/m3 50 ppm 5 mg/m3 es (Annex I), G.D.R. of 14 Nov Value 246 mg/m3	
Lithuania. OELs. Occupational Exp V-824/A1-389), as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl accetate (CAS 108-65-6) zinc oxide (CAS 1314-13-2) Luxembourg. OELs. Binding Occu n° 235/2016, as amended Components 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	TWA Type STEL TWA TWA TWA TWA TWA TWA TWA TW	50 ppm 0,5 mg/m3 ical Substances (Hygiene No Value 100 mg/m3 20 ppm 50 mg/m3 10 ppm 400 mg/m3 75 ppm 250 mg/m3 50 ppm 5 mg/m3 es (Annex I), G.D.R. of 14 Nov Value 246 mg/m3	

Components	Туре	Value	
		100 ppm	
	TWA	275 mg/m3	
		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	Туре	Value	
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	246 mg/m3	
		50 ppm	
	TWA	98 mg/m3	
		20 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	
	TWA	275 mg/m3	
		50 ppm	

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

Components	Туре	Value	
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	246 mg/m3	
	TWA	100 mg/m3	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA	550 mg/m3	

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	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	TLV	50 mg/m3	
		10 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TLV	270 mg/m3	
		50 ppm	
zinc oxide (CAS 1314-13-2)	TLV	5 mg/m3	Dust.
		5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.

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

Components	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	200 mg/m3	
	TWA	98 mg/m3	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	520 mg/m3	
	TWA	260 mg/m3	
zinc oxide (CAS 1314-13-2)	STEL	10 mg/m3	Inhalable fraction.
	TWA	5 mg/m3	Inhalable fraction.

2-butoxyethanol;	Type STEL	246 mg/m3	
ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	SIEL	240 mg/m3	
111-70-2)		50 ppm	
	TWA	98 mg/m3	
		20 ppm	
2-methoxy-1-methylethyl	STEL	550 mg/m3	
acetate (CAS 108-65-6)		-	
		100 ppm	
	TWA	275 mg/m3	
		50 ppm	
Portugal. VLEs. Norm on occupatio Components	nal exposure to chemical ag Type	ents (NP 1796-2014) Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS I11-76-2)	TWA	20 ppm	
zinc oxide (CAS 1314-13-2)	STEL	10 mg/m3	Respirable fraction.
•	TWA	2 mg/m3	Respirable fraction.
Romania. OELs. Limit Values of Chamended)	emical Agents at Workplace	(Regulation 1.218/2006, M.O	845, Annex 1, 3&4, as
Components	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	246 mg/m3	
	T 14/4	50 ppm	
	TWA	98 mg/m3	
)	OTE	20 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
	T) A / A	100 ppm	
	TWA	275 mg/m3	
-inid- (OAC 4044 40 0)	OTE	50 ppm	F
zinc oxide (CAS 1314-13-2)	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3	Fume.
Slovakia. OELs. Maximum permissi Annex 1, Table 1, as amended)	ble exposure limits for chem	nical factors in workplace air	(Regulation No 355/2006
Components	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	STEL	246 mg/m3	
111-76-2)		50 ppm	
111-76-2)		98 mg/m3	
111-76-2)	TWA	~~	
		20 ppm	
2-methoxy-1-methylethyl	TWA	550 mg/m3	
2-methoxy-1-methylethyl	STEL	550 mg/m3 100 ppm	
111-76-2) 2-methoxy-1-methylethyl acetate (CAS 108-65-6)		550 mg/m3 100 ppm 275 mg/m3	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3 100 ppm 275 mg/m3 50 ppm	
2-methoxy-1-methylethyl	STEL	550 mg/m3 100 ppm 275 mg/m3	Inhalable fraction.

Components	Туре	Value	Form
zinc oxide (CAS 1314-13-2)	STEL	1 mg/m3	Respirable fume.
	TWA	1 mg/m3	Respirable fume.

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

Components	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	TWA	98 mg/m3	
		20 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	TWA	275 mg/m3	
		50 ppm	
zinc oxide (CAS 1314-13-2)	TWA	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.

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

Components	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	245 mg/m3	
		50 ppm	
	TWA	98 mg/m3	
		20 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	
	TWA	275 mg/m3	
		50 ppm	
zinc oxide (CAS 1314-13-2)	STEL	10 mg/m3	Respirable fraction.
	TWA	2 mg/m3	Respirable fraction.

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

Components	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Ceiling	246 mg/m3	
		50 ppm	
	TWA	50 mg/m3	
		10 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	Ceiling	550 mg/m3	
		100 ppm	
	TWA	275 mg/m3	
		50 ppm	
zinc oxide (CAS 1314-13-2)	TWA	5 mg/m3	Total dust.
Switzerland. SUVA Grenzwerte am	Arbeitsplatz: Aktuelle MAK-Werte		
Components	Туре	Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS	STEL	98 mg/m3	

Material name: WB D Component A

111-76-2)

Components	Туре	Value	Form
		20 ppm	
	TWA	49 mg/m3	
		10 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	275 mg/m3	
		50 ppm	
	TWA	275 mg/m3	
		50 ppm	
zinc oxide (CAS 1314-13-2)	STEL	3 mg/m3	Respirable fume.
	TWA	3 mg/m3	Respirable fume.
UK. OELs. Workplace Exposure L Components	mits (WELs) (EH40/2005 (Fou Type	ırth Edition 2020)), Table 1 Value	Form
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	246 mg/m3	
,		50 ppm	
	TWA	123 mg/m3	
		25 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	548 mg/m3	
		100 ppm	
	TWA	274 mg/m3	
		50 ppm	
zinc oxide (CAS 1314-13-2)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
EU. Indicative Exposure Limit Valu Components	ues in Directives 91/322/EEC, Type	2000/39/EC, 2006/15/EC, 2009 Value	9/161/EU, 2017/164/EU
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	STEL	246 mg/m3	
		50 ppm	
	TWA	98 mg/m3	
		20 ppm	
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	
	TWA	275 mg/m3	

Biological limit values

Czech Republic. BELs. Government Decree 432/2003 Sb., as amended

Components	Value	Determinant	Specimen	Sampling Time
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (with hydrolysis)	Creatinine in urine	*
	0,17 mmol/mmol	Butoxyacetic acid (with hydrolysis)	Creatinine in urine	*

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

Cormany	TDGS 903	BATLiet	(Riological	Limit Value	۱۵۱
Germany.	TRU5 905.	BALLIST	(Biological	ı imit vaille	1S I

2-butoxyethanol; 150 mg/g Butoxyessigsä Creatinine in * ethyleneglycol monobutyl ure (nach urine ether: butyl cellosolye (CAS Hydrolyse)	Components	Value	Determinant	Specimen	Sampling Time	
Tryansiyou	,	0.0	, ,		*	

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

Spain. BELs. INSST, Límites de Exposición Profesional Para Agentes Químicos, Table 3-Valores Límite Biológicos (VLB)

Components	Value	Determinant	Specimen	Sampling Time	
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CA 111-76-2)		Ácido butoxiacético, con hidrólisis	Creatinine in urine	*	

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

Switzerland. SUVA Grenzwerte am Arbeitsplatz: Aktuelle BAT-Werte

Components	Value	Determinant	Specimen	Sampling Time	
2-butoxyethanol; ethyleneglycol monobuty ether; butyl cellosolve (C 111-76-2)		Butoxyessigsä ure (nach Hydrolyse)	Creatinine in urine	*	

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

UK. BELs. Biological Monitoring Guidance Values (BMGVs) (EH40/2005 (Fourth Edition 2020)), Table 2 **Determinant Specimen** Sampling Time Components

2-butoxyethanol;	240 mmol/mol	Butoxyacetic	Creatinine in
ethyleneglycol monobutyl		acid	urine
ether: butvl cellosolve (CA	S		

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

Recommended monitoring

procedures

111-76-2)

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-butoxyethanol; ethyleneglycol monobutyl ether; butyl	Can be a
cellosolve (CAS 111-76-2)	

2-methoxy-1-methylethyl acetate (CAS 108-65-6)

Belgium OELs: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)

2-methoxy-1-methylethyl acetate (CAS 108-65-6)

Bulgaria OELs: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)

2-methoxy-1-methylethyl acetate (CAS 108-65-6)

Croatia ELVs: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)

2-methoxy-1-methylethyl acetate (CAS 108-65-6)

Czech Republic PELs: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)

2-methoxy-1-methylethyl acetate (CAS 108-65-6)

Denmark GV: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)

2-methoxy-1-methylethyl acetate (CAS 108-65-6)

Estonia OELs: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)

2-methoxy-1-methylethyl acetate (CAS 108-65-6)

absorbed through the skin.

Can be absorbed through the skin.

EU Exposure Limit Values: Skin designation	
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Can be absorbed through the skin.
2-methoxy-1-methylethyl acetate (CAS 108-65-6) Finland Exposure Limit Values: Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Can be absorbed through the skin.
2-methoxy-1-methylethyl acetate (CAS 108-65-6) France INRS: Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Can be absorbed through the skin.
2-methoxy-1-methylethyl acetate (CAS 108-65-6) France Mandatory OELs (VLEP): Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Can be absorbed through the skin.
2-methoxy-1-methylethyl acetate (CAS 108-65-6) Germany DFG MAK (advisory): Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Can be absorbed through the skin.
Germany TRGS 900 Limit Values: Skin designation 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl	Can be absorbed through the skin.
cellosolve (CAS 111-76-2) Greece OEL: Skin designation	
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Can be absorbed through the skin.
2-methoxy-1-methylethyl acetate (CAS 108-65-6) Hungary OELs: Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2) Iceland OELs: Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl	Can be absorbed through the skin.
cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl acetate (CAS 108-65-6) Ireland Exposure Limit Values: Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl	Can be absorbed through the skin.
cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl acetate (CAS 108-65-6) Italy OELs: Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Danger of cutaneous absorption
2-methoxy-1-methylethyl acetate (CAS 108-65-6) Latvia OELs: Skin designation	Danger of cutaneous absorption
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Can be absorbed through the skin.
2-methoxy-1-methylethyl acetate (CAS 108-65-6) Lithuania OELs: Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl	Can be absorbed through the skin.
cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl acetate (CAS 108-65-6) Luxembourg OELs: Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl	Can be absorbed through the skin.
cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl acetate (CAS 108-65-6) Malta OELs: Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl	Can be absorbed through the skin.
cellosolve (CAS 111-76-2) 2-methoxy-1-methylethyl acetate (CAS 108-65-6) Netherlands OELs (binding): Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl	Can be absorbed through the skin.
cellosolve (CAS 111-76-2) Norway Exposure Limit Values: Skin designation	
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Can be absorbed through the skin.
2-methoxy-1-methylethyl acetate (CAS 108-65-6) Portugal OELs: Skin designation	Can be absorbed through the skin.
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)	Can be absorbed through the skin.

Material name: WB D Component A

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

Romania OELs: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl Can be absorbed through the skin.

cellosolve (CAS 111-76-2)

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

Slovakia OELs: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl Can be absorbed through the skin.

cellosolve (CAS 111-76-2)

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-butoxyethanol; ethyleneglycol monobutyl ether; butyl Can be absorbed through the skin.

cellosolve (CAS 111-76-2)

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

Spain OELs: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl

cellosolve (CAS 111-76-2)

Can be absorbed through the skin. Can be absorbed through the skin.

2-methoxy-1-methylethyl acetate (CAS 108-65-6) Sweden Threshold Limit Values: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl Can be absorbed through the skin.

cellosolve (CAS 111-76-2)

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

Switzerland SUVA Limit Values at the Workplace: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)

Can be absorbed through the skin.

UK EH40 WEL: Skin designation

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl

Can be absorbed through the skin.

cellosolve (CAS 111-76-2)

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

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.

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the

workplace.

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

Liquid. Physical state Liquid. Form Color Black

Characteristic. Odor Not available. Melting point/freezing point

Boiling point or initial boiling

point and boiling range

473 °F (245 °C) estimated

Flammability Not applicable.

Flash point >212,0 °F (>100,0 °C)

Auto-ignition temperature Not available. Not available. **Decomposition temperature** Not available. Not available. Kinematic viscosity

Solubility

Not available. Solubility (water) Not available. **Partition coefficient**

(n-octanol/water) (log value)

Not available. Vapor pressure

Density and/or relative density

Density 1,20 g/cm3 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

Percent volatile 3 % estimated

1,2 Specific gravity

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.

Contact with incompatible materials. 10.4. Conditions to avoid

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.

Causes serious eye irritation. Eye contact

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**

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)

Acute

Dermal

LD50 Rabbit 400 mg/kg

zinc oxide (CAS 1314-13-2)

Acute

Inhalation

> 5,7000000000000000 mg/l, 4 Hours LC50 Mouse

Material name: WB D Component A 4440 Version #: 01 Issue date: 07-24-2023 SDS FU

Species Test Results Components

Oral

LD50 Rat > 5 g/kg

Causes skin irritation. Skin corrosion/irritation

Serious eve damage/eve

irritation

Causes serious eye irritation.

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

May cause an allergic skin reaction. Skin sensitization

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

IARC Monographs. Overall Evaluation of Carcinogenicity

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl 3 Not classifiable as to carcinogenicity to humans.

cellosolve (CAS 111-76-2)

Not applicable. Reproductive toxicity

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

Not applicable.

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

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 Toxic to aquatic life with long lasting effects. Due to partial or complete lack of data the

classification for hazardous to the aquatic environment, acute hazard, is not possible.

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)

> 2-butoxyethanol; ethyleneglycol monobutyl ether; butyl 0,83

cellosolve

Not available. Bioconcentration factor (BCF) 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

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl Chemical pesticides (As the total sum of the active substances)

cellosolve (CAS 111-76-2) 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

trizinc bis(orthophosphate) (CAS 7779-90-0) Zinc (Zn) 1000 MG/KG

Zinc (Zn) 200 MG/KG Zinc (Zn) 500 MG/KG Zinc (Zn) 1000 MG/KG

zinc oxide (CAS 1314-13-2) Zinc (Zn) 200 MG/KG

Material name: WB D Component A

SDS FII

20 / 25

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual wasteDispose 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 codeThe 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 precautionsDispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number UN3082

14.2. UN proper shipping ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin (Number

ame average NW<=700), Liquid polysulfide polymer with thiol end groups (NW<1800)))

14.3. Transport hazard class(es)

Class 9
Subsidiary risk Label(s) 9
Hazard No. (ADR) 90
Tunnel restriction code 14.4. Packing group III
14.5. Environmental hazards No.

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

RID

14.1. UN number UN3082

14.2. UN proper shipping ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin (Number

ame average NW<=700), Liquid polysulfide polymer with thiol end groups (NW<1800)))

14.3. Transport hazard class(es)

Class 9
Subsidiary risk Label(s) 9
14.4. Packing group III
14.5. Environmental hazards No.

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 (Number

name average NW<=700), Liquid polysulfide polymer with thiol end groups (NW<1800)))

14.3. Transport hazard class(es)

Class 9
Subsidiary risk Label(s) 9
14.4. Packing group III
14.5. Environmental hazards No.

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

IATA

14.1. UN number UN3082

14.2. UN proper shipping Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin (Number average NW<=700),

name Liquid polysulfide polymer with thiol end groups (NW<1800)))

14.3. Transport hazard class(es)

Class 9
Subsidiary risk 14.4. Packing group III
14.5. Environmental hazards No.

ERG Code

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

name

EmS

Other information

Passenger and cargo

Cargo aircraft only

aircraft

Allowed with restrictions.

Allowed with restrictions.

Not established.

IMDG

UN3082 14.1. UN number

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin (Number 14.2. UN proper shipping

average NW<=700), Liquid polysulfide polymer with thiol end groups (NW<1800)))

14.3. Transport hazard class(es)

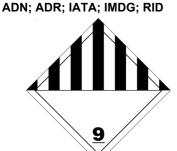
Class 9 Subsidiary risk Ш 14.4. Packing group 14.5. Environmental hazards Marine pollutant No.

14.6. Special precautions

Read safety instructions, SDS and emergency procedures before handling.

for user

14.7. Maritime transport in bulk 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

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

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

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

trizinc bis(orthophosphate) (CAS 7779-90-0) zinc oxide (CAS 1314-13-2)

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

Material name: WB D Component A

4440 Version #: 01 Issue date: 07-24-2023

UFI:

Austria: T300-C0GW-V008-G3PR Belgium: T300-C0GW-V008-G3PR Bulgaria: T300-C0GW-V008-G3PR Croatia: T300-C0GW-V008-G3PR Cyprus: T300-C0GW-V008-G3PR Czech Republic: T300-C0GW-V008-G3PR Denmark: T300-C0GW-V008-G3PR Estonia: T300-C0GW-V008-G3PR EU: T300-C0GW-V008-G3PR Finland: T300-C0GW-V008-G3PR France: T300-C0GW-V008-G3PR Germany: T300-C0GW-V008-G3PR Greece: T300-C0GW-V008-G3PR Hungary: T300-C0GW-V008-G3PR Iceland: T300-C0GW-V008-G3PR Ireland: T300-C0GW-V008-G3PR Italy: T300-C0GW-V008-G3PR Latvia: T300-C0GW-V008-G3PR Lithuania: T300-C0GW-V008-G3PR Luxembourg: T300-C0GW-V008-G3PR Malta: T300-C0GW-V008-G3PR Netherlands: T300-C0GW-V008-G3PR Norway: T300-C0GW-V008-G3PR Poland: T300-C0GW-V008-G3PR Portugal: T300-C0GW-V008-G3PR Romania: T300-C0GW-V008-G3PR

Slovakia: T300-C0GW-V008-G3PR Slovenia: T300-C0GW-V008-G3PR Spain: T300-C0GW-V008-G3PR Sweden: T300-C0GW-V008-G3PR

Authorizations

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

Restrictions on use

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

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)

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

Not listed.

Other EU regulations Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

ANNEX 1, PART 1 Categories of dangerous substances

Hazard categories in accordance with Regulation (EC) No 1272/2008

- E2 Hazardous to the Aquatic Environment Chronic

Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP

Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation

(EC) No 1907/2006, as amended.

National regulations Young people under 18 years old are not allowed to work with this product according to EU

Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

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

zinc oxide (CAS 1314-13-2)

Anorganische Faserstäube, soweit nicht erwähnt (ausgenommen Gipsfasernund Wollastonitfasern)

France regulations

France INRS Table of Occupational Diseases

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve (CAS 111-76-2)

Affections engendrées par les solvants organiques liquides à usage professionnel: hydrocarbures liquides aliphatiques ou cycliques saturés ou insaturés et leurs mélanges; hydrocarbures halogénés liquides; dérivés nitrés des hydrocarbures aliphatiques;

al 84

Phenol Polymer With Formaldehyde, Glycidyl Ether

(CAS 28064-14-4)

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

(CAS 25068-38-6)

Maladies professionnelles provoquées par les résines

époxydiques et leurs constituants 51

Maladies professionnelles provoquées par les résines

époxydiques et leurs constituants 51

Material name: WB D Component A

SDS FIL

Product registration number

UFI: T300-C0GW-V008-G3PR **Austria** UFI: T300-C0GW-V008-G3PR **Belgium** UFI: T300-C0GW-V008-G3PR **Czech Republic Denmark** UFI: T300-C0GW-V008-G3PR **European Union** UFI: T300-C0GW-V008-G3PR UFI: T300-C0GW-V008-G3PR Finland UFI: T300-C0GW-V008-G3PR **France** Germany UFI: T300-C0GW-V008-G3PR Greece UFI: T300-C0GW-V008-G3PR UFI: T300-C0GW-V008-G3PR Hungary UFI: T300-C0GW-V008-G3PR Italy **Netherlands** UFI: T300-C0GW-V008-G3PR UFI: T300-C0GW-V008-G3PR Norway **Poland** UFI: T300-C0GW-V008-G3PR **Portugal** UFI: T300-C0GW-V008-G3PR UFI: T300-C0GW-V008-G3PR Slovakia Slovenia UFI: T300-C0GW-V008-G3PR UFI: T300-C0GW-V008-G3PR Spain UFI: T300-C0GW-V008-G3PR Sweden UFI: T300-C0GW-V008-G3PR Switzerland

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.

Not available.

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

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.

H302 Harmful if swallowed. H311 Toxic 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. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. 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.