In accordance with Regulation (EC) No. 1907/2006 (REACH), Annex II, and subsequent adjustments introduced by Commission Regulation (EU) No. 2020/878 - Italy

SAFETY DATA SHEET

ALPHA UNIDECOR BL MAT N00

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

1.1 Product identifier

GHS identifier of the product : ALPHA UNIDECOR BL MAT N00

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

Product Use : Water-based paint for interiors.

1.3. Details of the supplier of the safety data sheet

Akzo Nobel Coatings SpA
Via Pietro Nenni 14,
28053 Castelletto sopra Ticino,
Tel. +39 0331 916611
Internet: www.sikkens.it

Email address of the person responsible for the safety data sheet :customerservice@akzonobel.com

1.4 Emergency telephone number

Official national advisory body/Poison control centre

Phone number : Poison Control Centers for the Italian territory:
CAV "Bambino Gesù Pediatric Hospital" Emergency and Acceptance Department DEA - Rome - Tel. 06 68593726
CAV Az. Osp. Univ. Foggia - Foggia - Tel. 800183459 CAV
Az. Osp. "A. Cardarelli" - Naples - Tel. 081-5453333 CAV
Policlinico "Umberto I" - Rome - Tel. 06-49978000 CAV
Policlinico "A. Gemelli" - Rome - Tel. 06-3054343
CAV Az. Osp. "Careggi" UO Medical Toxicology - Florence - Tel. 055-7947819 CAV
National Toxicological Information Center - Pavia - Tel. 0382-24444 CAV Osp. Niguarda Ca' Granda - Milan - Tel. 02-66101029
CAV Hospital Trust Pope John XXII - Bergamo - Tel. 800883300 CAV
Integrated Hospital Trust Verona - Verona - Tel. 800011858

Supplier

Phone number : Telephone number : +39 0331 916611 (active 24 hours a day, every day) International AkzoNobel emergency number :+31 71 3086944 (active 24 hours a day, every day)

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition: Mixture

Classification according to EC Regulation No.1272/2008 [CLP/GHS]

Not classified.

This product is not classified as dangerous according to Regulation (EC) 1272/2008 and subsequent amendments.

For more detailed information on health effects and symptoms, see Section 11.

2.2 Label elements

Warning : No warnings.

Hazard statements : No known significant effects or critical hazards.

Precautionary advice

General : P102 - Keep out of reach of children.
P101 - If medical advice is needed, have product container or label at hand.

Prevention : P262 - Do not get in eyes, on skin, or on clothing. P312 - Get

Reaction : medical advice/attention if you feel unwell.

Conservation : Not applicable.

Disposal : P501 - Dispose of contents and container in accordance with local, regional, national, international regulations.

Additional elements of the label : Contains 1,2-benzisothiazol-3(2H)-one, C(M)IT/MIT(3:1), 2-octyl-2H-isothiazol-3-one and MBIT. May cause an allergic reaction. Caution! Hazardous respirable droplets may form when sprayed. Do not breathe vapours or mists.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain substances, preparations and articles dangerous : Not applicable.

Special obligations regarding packaging

Containers that must be equipped with a child safety lock : Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other dangers

The product meets the criteria for PBT or vPvB in accordance with Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances assessed as PBT or vPvB.

Other dangers do not mentioned in the classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures :Mixture

Product Name/ ingredient	Identifiers	%	Classification	Specific Conc. limits, M and ATE factors	Type
titanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS Number: 13463-67-7	≤5	Carc. 2, H351 (inhalation)	-	[1] [*]
2-Butoxyethanol	EC: 203-905-0 CAS Number: 111-76-2 Index: 603-014-00-0	≤3	Acute Tox. 4, H302 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319	ATE [Oral] = 1200 [1] mg/kg ATE [Inhalation (vapors)] = 3 mg/l	[2]
1,2-benzisothiazol-3(2H)-one	EC: 220-120-9 CAS Number: 2634-33-5 Index: 613-088-00-6	<0.05	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400	ATE [Oral] = 500 mg/kg Skin Sens. 1, H317: C ≥ 0.05% M [Acute] = 1	[1]
C(M)IT/MIT(3:1)	REACH #: 01-2120764691-48 CAS Number: 55965-84-9 Index: 613-167-00-5	≤0.0014	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071	ATE [Oral] = 100 mg/kg ATE [Dermal] = 50 mg/kg ATE [Inhalation (powders and nebulizations)] = 0.05 mg/l Skin Corr. 1C, H314: C ≥ 0.6% Skin Irrit. 2, H315: 0.06% ≤ C < 0.6% Eye Dam. 1, H318: C ≥ 0.6% Eye Irrit. 2, H319: 0.06% ≤ C < 0.6% Skin Sens. 1, H317: C ≥ 0.0015% M [Acute] = 100 M [Chronic] = 100	[1]
OIT	EC: 247-761-7 CAS Number: 26530-20-1 Index: 613-112-00-5	≤0.001	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 100 mg/kg ATE [Dermal] = 300 mg/kg ATE [Inhalation (powders and nebulizations)] = 0.05 mg/l Skin Sens. 1, H317: C ≥ 0.0015% M [Acute] = 100 M [Chronic] = 100	[1]
MBIT	CAS Number: 2527-66-4	<0.0015	Acute Tox. 3, H301 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Corr. 1C, H314	ATE [Oral] = 175 mg/kg ATE [Dermal] = 1100 mg/kg	[1]

SECTION 3: Composition/information on ingredients

			Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 EUH071 **See section 16 for the full text of the indications.** **danger** **above mentioned.**	ATE [Inhalation (powders and nebulizations)] = 1.5 mg/l Skin Sens. 1, H317: C ≥ 0.0015% M [Acute] = 1	

There are no additional ingredients which, within the current knowledge of the supplier and in the applicable concentrations, are classified as hazardous to health or the environment, meet the PBT or vPvB criteria or are considered to be substances of equivalent concern or substances to which an occupational exposure limit has been assigned and which therefore need to be reported in this section.

Type

[1] Substance presenting a danger to health or the environment
[2] Substance for which there are workplace exposure limits
[*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in the form of powders containing 1% or more titanium dioxide particles with an aerodynamic diameter ≤10 µm not embedded in a matrix.

Occupational exposure limits, if available, are listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures Contact

with eyes : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for contact lenses and remove if necessary. Consult a doctor if irritation occurs.

For inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if symptoms occur.

Skin contact : Rinse contaminated skin with plenty of water. Remove contaminated clothing and footwear. Seek medical attention if symptoms occur.

Ingestion : Rinse mouth with water. If material is swallowed, if exposed person is conscious, give small amounts of water to drink. Do not induce vomiting unless directed by medical personnel. Seek medical attention if symptoms occur.

Protection of rescuers : No action shall be taken involving any personal risk or without suitable training.

4.2 Main symptoms and effects, both acute and delayed

There is no data available on the mixture itself. This product is not classified as dangerous according to Regulation (EC) 1272/2008 and subsequent amendments.

Repeated or prolonged contact with the mixture may cause removal of the skin's natural fat, resulting in non-allergic contact dermatitis and absorption through the skin.
Contact of the liquid with the eyes may cause irritation and reversible damage.
Delayed and immediate effects, as well as chronic effects of the components resulting from short and long-term exposure, by oral and dermal routes, by inhalation and by contact with eyes, are taken into account, where known.

Contains 1,2-benzisothiazol-3(2H)-one, C(M)IT/MIT(3:1), 2-octyl-2H-isothiazol-3-one, MBIT. May cause an allergic reaction.

Signs/Symptoms of Overexposure

Eye contact :No specific data.

SECTION 4: First aid measures

For inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed Notes to the physician

: Treat symptomatically. If large amounts are ingested or inhaled, contact a poison control center immediately.

Specific treatments : No specific treatment.

SECTION 5: Fire prevention measures

5.1 Extinguishing media

Suitable extinguishing media :Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media :None known.

5.2 Special hazards arising from the substance or mixture

Hazards arising from the substance or mixture : In case of fire or overheating, a pressure increase will occur and the container may rupture.

Hazardous combustion products : Decomposition products may include the following materials: carbon dioxide
carbon monoxide
metal oxide/oxides

5.3 Recommendations for firefighters

Special actions of firefighter protection : Promptly isolate the scene by removing all persons from the vicinity of the incident in the event of a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for personnel fire-fighting : Firefighters should wear protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode. Firefighter clothing (including helmets, protective boots and gloves) conforming to European Standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For those who do not intervene directly : No action should be taken involving any personal risk or without appropriate training. Evacuate surrounding areas. Prevent entry of unprotected personnel. Do not touch or walk on spilled material. Wear appropriate personal protective equipment.

For those who intervene directly : If specialised clothing is required to deal with the spill, please note any information in Section 8 regarding suitable and unsuitable materials. See also information in "For non-emergency personnel".

6.2 Environmental precautions: Avoid dispersal and runoff of any spilled material and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleanup

SECTION 6: Accidental release measures

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and absorb if water soluble. Alternatively, or if insoluble in water, absorb with dry inert material and dispose of in an appropriate waste container. Dispose of via a licensed waste disposal contractor.

Large pour : Stop leak if without risk. Move containers from spill area. Prevent release into sewers, waterways, basements or confined areas. Flush and direct spilled quantities to a waste treatment plant or proceed as follows. Contain and collect any spillage with non-combustible absorbent material, such as sand, earth, vermiculite, diatomaceous earth and dispose of the product in a container in accordance with local regulations. Dispose of through a licensed waste disposal company.

6.4 Reference to other sections : For emergency telephone numbers, see Section 1.
See Section 8 for information on appropriate personal protective equipment.
For further information on waste treatment, see Section 13.

SECTION 7: Handling and storage

The information in this section contains general information and warnings.

7.1 Precautions for safe handling Protective measures : Wear appropriate protective equipment (see Section 8).

General workplace hygiene practices warnings : Eating, drinking and smoking are prohibited in areas where this material is handled, stored or processed. Persons using the product should wash their hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8.2 for further information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in the original container protected from direct sunlight in a dry, cool and well-ventilated area, away from other incompatible materials (see Section 10) and away from food and drink. Keep container tightly closed and sealed until use. Opened containers should be carefully resealed and kept upright to prevent accidental release of the product. Do not store in unlabeled containers. Provide adequate containment to avoid environmental contamination. Before handling or using, consult Section 10 for information on incompatible materials.

7.3 Specific end uses

Warnings : Not available.

Industry specific guidelines : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains general guidance and warnings. The information provided is for typical intended uses of the product. Additional measures may be necessary for bulk handling or other uses that could significantly increase worker exposure or emissions to the environment.

8.1 Control parameters

Occupational exposure limits

SECTION 8: Exposure controls/personal protection

Product/ingredient name	Exposure limit values
2-Butoxyethanol	**Legislative Decree No. 819/2008. Title IX. Protection from chemical, carcinogenic and mutagenic agents (Italy, 6/2020). Absorbed through the skin.** 8 hours: 20 ppm 8 hours. 8 hours: 98 mg/m³ 8 hours. Short Term: 50 ppm 15 minutes. Short Term: 246 mg/m³ 15 minutes.

Monitoring procedures: recommended

If this product contains ingredients with exposure limits, personal, workplace atmosphere and biological monitoring may be required to determine the effectiveness of ventilation or other control measures and/or the need to use respiratory protection. Reference should be made to monitoring standards, such as: European Standard EN 689 (Workplace atmospheres - Guidance on the assessment of exposure by inhalation to chemical compounds for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guidance on the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference should also be made to national guidance documents on methods for the determination of dangerous substances.

DNEL/DMEL

Product/ingredient name	Type	Exposure	Value	Population	Effects
2-Butoxyethanol	DNEL	In the long term Orally	6.3 mg/kg bw/day	Population generic	Systemic
	DNEL	In the short term Orally	26.7 mg/kg bw/day	Population generic	Systemic
	DNEL	In the long term For inhalation	59 mg/m³	Population generic	Systemic
	DNEL	In the long term For inhalation	98 mg/m³	Workers	Systemic
	DNEL	In the short term For inhalation	147 mg/m³	Population generic	Local
	DNEL	In the short term For inhalation	246 mg/m³	Workers	Local
	DNEL	In the short term For inhalation	426 mg/m³	Population generic	Systemic
	DNEL	In the short term For inhalation	1091 mg/m³	Workers	Systemic
1,2-benzisothiazol-3(2H)-one	DNEL	In the long term By skin route	0.345 mg/kg bw/day	Population generic	Systemic
	DNEL	In the long term By skin route	0.966 mg/kg bw/day	Workers	Systemic
	DNEL	In the long term For inhalation	1.2 mg/m³	Population generic	Systemic
	DNEL	In the long term For inhalation	6.81 mg/m³	Workers	Systemic
C(M)IT/MIT(3:1)	DNEL	In the long term For inhalation	0.02 mg/m³	Population generic	Local
	DNEL	In the long term For inhalation	0.02 mg/m³	Workers	Local
	DNEL	In the short term For inhalation	0.04 mg/m³	Population generic	Local
	DNEL	In the short term	0.04 mg/m³	Workers	Local

SECTION 8: Exposure controls/personal protection

	DNEL	For inhalation In the long term Orally	0.09 mg/ kg bw/ day	Population generic	Systemic
	DNEL	In the short term Orally	0.11 mg/ kg bw/ day	Population generic	Systemic

PNEC

No PNEC available.

8.2 Exposure controls Appropriate engineering controls : Good general ventilation should be sufficient to control the exposure of operators to air pollutants.

Individual protection measures

Hygienic measures : Wash your hands, arms and face thoroughly after handling chemicals before eating, smoking and using the bathroom and at the end of the work period. Use appropriate techniques to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and emergency showers are close to the point of use.

Eye/face protection : Safety spectacles complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Where contact is possible, the following means of protection should be used unless the assessment indicates a higher degree of protection is necessary: protective spectacles with side shields.

Skin protection

Hand protection : Chemically resistant, impervious gloves complying with approved standards should always be used when handling chemicals if a risk assessment indicates this is necessary.

In case of prolonged or frequently repeated contact, a glove with a protection class 6 is recommended (penetration time > 480 minutes, according to EN374). Recommended gloves: Viton ® or Nitrile, thickness ≥ 0.38 mm.
When only brief contact is expected, a glove with protection class 2 or higher is recommended (breakthrough time > 30 minutes, according to EN374). Recommended gloves: nitrile, thickness ≥ 0.12 mm.
Gloves should be replaced regularly and if there are signs of damage to the glove material.

Glove performance or effectiveness may be reduced by physical/chemical damage and poor maintenance.

The user must ensure that the final choice of glove type for handling this product is the most appropriate and takes into account the particular conditions of use, as specified in the user's risk assessment.

Body protection device : Personal protective equipment for the body must be chosen based on the risks expected for the task performed and approved by qualified personnel before their use for handling this product.

Other devices of skin protection : Select appropriate footwear and any additional skin protection measures based on the activity being performed and the risks involved. These choices must be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standards and certification. Respirators should be used according to a respiratory protection program to ensure proper sizing, training, and other important aspects of use.

SECTION 8: Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, it will be necessary to carry out fume scrubbing, add filters or make engineering modifications to process equipment to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

Unless otherwise stated, all properties should be measured under standard temperature and pressure conditions.

9.1 Information on basic physical and chemical properties I wait

Physical state : Liquid.

Color : Miscellaneous: See label.

Odor : Not available.

Olfactory threshold : Not available.

Melting point/freezing point : Not available.

Boiling point, initial boiling point and boiling range : 100°C (212°F)

Flammability : Not available.

Lower and upper explosive limits : Not available.

Flash point : Closed vessel: Not applicable. [Pensky-Martens]

Temperature of self-ignition :

Component name	°C	°F	Method
N-(2-methoxyphenyl)-2-[(2-methoxy-4-nitrophenyl)azo] - 3-oxobutyramide	180	356	VDI 2263
tributylamine	210	410	EU A.15
2-Butoxyethanol	230	446	DIN 51794
5,12-dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-dione	280	536	VDI 2263
glyoxal	285	545	DIN 51794
2,2'-(ethylenedioxy)diethanol	347	656.6	
copper [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]	356	672.8	EU A.16
dodecamethylcyclohexasiloxane	368 to 371	694.4 to 699.8	
glycerol	370	698	
propane-1,2-diol	371	699.8	
decamethylcyclopentasiloxane	372	701.6	ASTM E659-78
copper polychlorophthalocyanine	378	712.4	EU A.16
Cellulose, 2-hydroxyethyl ether	380	716	
octamethylcyclotetrasiloxane	384 to 387	723.2 to 728.6	ASTM E659
2-aminoethanol	410	770	
Formaldehyde	430	806	
Pyrrolo[3,4-c]pyrrol-1,4-dione, 3,6-bis(4-chlorophenyl) - 2,5-dihydro-	> 400	> 752	
ammonium chloride	> 400	> 752	EU A.16

SECTION 9: Physical and chemical properties

toluene-4-sulfonic acid	> 465	> 869	EU A.15
m-xylene	527	980.6	

Temperature of decomposition : Not available.

pH : 8 [Conc. (% w/w): 100%] [DIN EN 1262]

Viscosity : Kinematic: 1333 mm_2/s [DIN EN ISO 3219]

Solubility (solubilities) :

Half	Result
cold water	Easily soluble [OESO (TG 105)]

Partition coefficient: noctanol/water :Not applicable.

Vapor pressure :

Name component	Vapor pressure at 20˚C			Vapor pressure at 50˚C		
	mmHg	kPa	Method	mmHg	kPa	Method
ammonia, aqueous solution	360.03	48				
waterfall	23.8	3.2				
glyoxal	15.15	2	EU A.4			
m-xylene	6	0.8				
Formaldehyde	1	0.13				
octamethylcyclotetrasiloxane	0.99	0.13				
2-Butoxyethanol	0.75	0.1				
Polyether modified siloxane	0.75	0.1				
2-aminoethanol	0.4	0.053				
decamethylcyclopentasiloxane	0.25	0.033				
propane-1,2-diol	0.15	0.02	EU A.4			
tributylamine	0.14	0.019	OECD 104			
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<0.08	<0.011	ASTM D5191			
Distillates (petroleum), solvent-refined heavy paraffinic	<0.08	<0.011	ASTM D5191			
glycerol	0.000075	0.00001		0	0	
Poly(oxy - 1, 2 - ethindiyl), alpha - hydro - omega - hydroxy	0.0000003	0.00000004				
pyrithione zinc	<0.000000008	<0.0000000011	OECD 104			
2,2'-(ethylenedioxy)diethanol	0	0				
copper polychlorophthalocyanine	0	0				
N-(2-methoxyphenyl)-2-[(2-methoxy-4-nitrophenyl)azo] - 3-oxobutyramide	0	0				
copper [29H,31H-phthalocyaninato(2-)- N29,N30,N31,N32]		0	EU A.4			
bronopolo	0	0		0	0	

SECTION 9: Physical and chemical properties

propylidinetrimethanol	0	0				
C(M)IT/MIT(3:1)	0	0				
maleic acid	0	0	OECD 104			

Relative density : 1.2

Density : 1.2 g/cm³ [DIN EN ISO 2811-1]

Vapor density : Not available.

Particle Characteristics

Median particle size : Not applicable.

Percentage of particles with aerodynamic diameter ≤ 10 µm : 0

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific experimental data on reactivity are available for this product or its ingredients.

10.2 Chemical stability :The product is stable.

10.3 Possibility of reactions: Under normal conditions of storage and use, no hazardous reactions occur. **dangerous**

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Products of dangerous decomposition : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity

Product Name/ ingredient	Result	Species	Dose	Exposure
2-Butoxyethanol	LC50 Inhalation Gas.	Mouse	700 ppm	7 hours
	LD50 Dermal	Piggy of India	230 uL/kg	-
	DL50 Dermal DL50	Rabbit	220 mg/kg	-
	Intraperitoneal	Mouse	536 mg/kg	-
	DL50 Intraperitoneal	Rabbit	220 mg/kg	-
	DL50 Intraperitoneal	Rat	220 mg/kg	-
	DL50 Intravenous	Mouse	1130 mg/kg	-
	DL50 Intravenous	Rabbit	252 mg/kg	-
	DL50 Intravenous	Rat	307 mg/kg	-
	DL50 Oral	Piggy of India	1200 mg/kg	-
	DL50 Oral DL50	Mouse	1230 mg/kg	-
	Oral DL50 Oral	Mouse	1167 mg/kg	-
	DL50 Oral	Rabbit	300 mg/kg	-
		Rabbit	320 mg/kg	-

SECTION 11: Toxicological information

	DL50 Oral DL50	Rat	917 mg/kg	-
	Oral	Rat	250 mg/kg	-
	DL50 Exposure route not reported	Mammal - species not specified	1500 mg/kg	-
	DL50 Exposure route not reported	Mouse	1050 mg/kg	-
	DL50 Exposure route not reported	Rat	917 mg/kg	-
	LDLo Oral LDLo	Human	143 mg/kg	-
	Oral LDLo	Rat	1500 mg/kg	-
	Subcutaneous	Mouse	500 mg/kg	-
	TDLo Intraperitoneal	Mammal - species not specified	100 mg/kg	-
	TDLo Orally	Man - Male	132 mg/kg	-
	TDLo Orally TDLo	Rat	500 mg/kg	-
	Orally	Woman - Female	600 mg/kg	-
	TDLo Orally	Woman - Female	7813 uL/kg	-
	TDLo Exposure route not reported	Rat	250 mg/kg	-
MBIT	DL50 Dermal DL50	Rat	1100 mg/kg	-
	Oral	Rat	175 mg/kg	-

Conclusion/Summary :Not available.

Acute toxicity estimates

Product/ingredient name	On the way oral (mg/kg)	On the way cutaneous (mg/kg)	Inhalation (gas) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (powders and aerosol) (mg/l)
59029	70581.2	N/A	N/A	176.5	N/A
2-Butoxyethanol	1200	N/A	N/A	3	N/A
1,2-benzisothiazol-3(2H)-one	500	N/A	N/A	N/A	N/A
C(M)IT/MIT(3:1)	100	50	N/A	N/A	0.05
OIT	100	300	N/A	N/A	0.05
MBIT	175	1100	N/A	N/A	1.5

Irritation/Corrosion

Product Name/ ingredient	Result	Species	Score	Exposure	Observation
titanium dioxide	Skin - Mildly irritating	Human	-	72 hours 300 ug I	-
2-Butoxyethanol	Eyes - Moderately irritating	Rabbit	-	24 hours 100 mg	-
	Eyes - Severe irritant Skin -	Rabbit	-	100 mg	-
	Slightly irritant Skin - Slightly	Rabbit	-	500 mg	-
1,2-benzisothiazol-3(2H)-one	irritant Skin - Severe irritant	Human	-	48 hours 5%	-
C(M)IT/MIT(3:1)	Eyes - Severe irritant Skin -	Human	-	0.01 %	-
OIT	Visible necrosis	Rabbit	-	100 mg	-
MBIT		Rabbit	-	4 hours	14 days

Conclusion/Summary :Not available.

Awareness raising

SECTION 11: Toxicological information

Product Name/ ingredient	Street of exposure	Species	Result
MBIT	skin skin	Guinea Pig Mouse	Sensitizing Sensitizing

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (STOT) — single exposure Not available.

Specific target organ toxicity (STOT) — repeated exposure Not available.

Danger in case of aspiration

Not available.

Information about the routes likely to be exposed :Not available.

Potential acute health effects

Contact with eyes By : No known significant effects or critical hazards.

inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to physical, chemical and toxicological characteristics

Contact with eyes By : No specific data.

inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Immediate, delayed and chronic effects resulting from short and long-term exposure

Short-term exposure

Potential effects immediate : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential effects immediate : Not available.

Potential delayed effects : Not available.

Potential Chronic Health Effects Not available.

SECTION 11: Toxicological information

Conclusion/Summary	:	Not available.
General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Toxicity for the reproduction	:	No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

There is no data available on the mixture itself.
Do not dispose of the product in the sewer system or waterways.

The mixture has been assessed using the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous for the environment, but contains one or more substances hazardous for the environment. See section 3 for further details.

Product Name/ ingredient	Result	Species	Exposure
2-Butoxyethanol	Acute EC50 >1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 800000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1490000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours
1,2-benzisothiazol-3(2H)-one	Acute EC50 1.5 mg/l	Daphnia - Daphnia magna	48 hours
	Acute EC50 0.4 mg/l	Daphnia - Pseudomonas putia	16 hours
	Acute IC50 0.067 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute LC50 1.3 mg/l Acute	Fish - Ochorhyncus mykiss	96 hours
OIT	EC10 0.000224 mg/l Acute	Algae - Navicula peliculosa	48 hours
	EC50 0.084 mg/l	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 0.00129 mg/l	Algae - Navicula peliculosa	48 hours
	Acute EC50 0.42 mg/l	Daphnia	48 hours
	Acute EC50 107 ppb Fresh water	Daphnia - Daphnia magna Fish -	48 hours
	Acute LC50 47 ppb Fresh water	Oncorhynchus mykiss Daphnia -	96 hours
	Chronic NOEC 74 ppb Fresh water	Daphnia magna Fish - Pimephales	21 days
	Chronic NOEC 8.5 ppb	promelas Algae - Skeletonema	35 days
MBIT	Acute EC50 0.7 ppm Marine water	costatum Crustaceans -	96 hours
	Acute EC50 0.48 mg/l	Americamysis bahia Daphnia -	96 hours
	Acute EC50 0.92 ppm Fresh water	Daphnia magna	48 hours
	Acute LC50 1.5 ppm Marine water	Fish - Cyprinodon variegatus - Juvenile	96 hours
	Acute LC50 0.24 ppm Fresh water	Fish - Oncorhynchus mykiss - Juvenile	96 hours
	Chronic NOEC 0.012 mg/l	Algae - Pseudokirchneriella subcapitata	48 hours
	Chronic NOEC 0.42 mg/l	Daphnia - daphnia magna Fish -	21 days
	Chronic NOEC 0.16 mg/l	Pimephales promelas Fish -	32 days
	Chronic NOEC 0.16 ppm	Pimephales promelas	32 days

SECTION 12: Ecological information

Conclusion/Summary :Not available.

12.2 Persistence and degradability

Conclusion/Summary :Not available.

Product Name/ ingredient	Half-life in water	Photolysis	Biodegradability
MBIT	-	-	Not easily

12.3 Bioaccumulative potential

Product Name/ ingredient	$LogP_{oh}$	BCF	Potential
2-Butoxyethanol	0.81	-	low
OIT	2.45	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances assessed as PBT or vPvB.

12.6 Endocrine disrupting properties Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains general guidance and warnings. See the list of Identified Uses in Section 1 for specific available information provided in the exposure scenario(s).

13.1 Waste treatment methods

Product

Disposal methods : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should always be in accordance with environmental protection and waste disposal legislation and the requirements of any relevant local authority. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Untreated waste should not be disposed of via sewerage unless fully compliant with any relevant authority and regulatory requirements.

Hazardous Waste : According to the current knowledge of the supplier, this product is not classified as hazardous waste, as defined by EU Directive 2008/98/EC.

Considerations on the disposal : Do not allow product to enter sewers or waterways. Dispose of in accordance with applicable regional, state and local laws.
If this product is mixed with other waste, the original waste code can no longer be applied and an appropriate code must be assigned.
For further information, contact your waste disposal authority.

SECTION 13: Disposal considerations

European Waste Catalogue

According to the European Waste Catalogue (EWC), the product at the time of disposal is classified as:

Waste code	Waste designation
EWC 08 01 12	waste paints and varnishes other than those mentioned in 08 01 11

Packaging

Disposal methods : Waste generation should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not practicable.

Considerations on the disposal : Using the information provided in this safety data sheet, contact your local waste disposal authority for advice on how to classify empty containers.

Empty containers must be discarded or reconditioned.
Dispose of containers contaminated by the product in accordance with local or national regulatory requirements.

Special precautions : Do not dispose of the product and the container unless taking due precautions. Empty containers or coatings may retain product residues. Avoid dispersal and runoff of any spilled material and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG
14.1 UN number	Unregulated.	Unregulated.
14.2 Name of shipping of the UN	-	-
14.3 Classes of danger connected to the transport	-	-
14.4 Group of packaging	-	-
14.5 Dangers for the environment	No.	No.

Additional information

IMDG : **Emergency Programs** Not applicable.

14.6 Special precautions for users : **Transport within the user's premises:** Always transport with closed containers, stored vertically and secured to the means of transport. Ensure that the people carrying out the transport are capable of intervening effectively in the event of an accident and/or spill.

14.7 Carriage of bulk cargoes according to IMO regulations : Not available.

SECTION 15: Regulatory information

15.1 Legislative and regulatory provisions on health, safety and environment specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of Extreme Concern None of the components are listed.

Annex XVII - Restrictions on manufacturing, placing on the market and use of certain substances, preparations and articles dangerous	:	Not applicable.

Other EU regulations

VOC	:	The provisions of Directive 2004/42/EC on VOCs apply to this product. See product label and/or technical data sheet for further information.
VOC for ready-to-use mixtures	:	Not available.
Industrial emissions (integrated prevention and reduction of pollution) - Air	:	Not in the list
Industrial emissions (integrated prevention and reduction of pollution) - Waterfall	:	Not in the list

Substances Depleting the Ozone Layer (1005/2009/EU)

Not in the list.

Prior Inform Consent (PIC) (649/2012/EU) Not in the list.

to persistent organic pollutants

Not in the list.

Seveso Directive

This product is not controlled under the Seveso Directive.

National standards

Legislative Decree 152/06	:Not determined.

International Regulations

Chemical Weapons Convention List - Schedules I, II and III Chemical Compounds Not in the list.

Montreal Protocol

Not in the list.

Stockholm Convention on Persistent Organic Pollutants Not in the list.

SECTION 15: Regulatory information

Rotterdam Convention on Prior Informed Consent (PIC) Not in the list.

UNECE Protocol to the Aarhus Convention on Persistent Organic Pollutants and Heavy Metals Not in the list.

15.2 Evaluation of the chemical safety **:**No chemical safety assessment has been performed.

SECTION 16: Other information

Indicates information that has changed from the previous edition.

Abbreviations and acronyms: ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific risk statement N/A = Not available

PBT = Persistent, Bioaccumulative, Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number
SGG = segregation group
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full texts of abbreviated hazard statements

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin. Toxic
H311	in contact with skin. Harmful in
H312	contact with skin.
H314	Causes severe skin burns and eye damage. Causes
H315	skin irritation.
H317	May cause an allergic skin reaction. Causes
H318	serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H351	Suspected of causing cancer. Very toxic
H400	to aquatic life.
H410	Very toxic to aquatic life with long lasting effects. Toxic to aquatic
H411	life with long lasting effects. Corrosive to the respiratory tract.
EUH071	

Full texts of classifications [CLP/GHS]

SECTION 16: Other information

Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Carc. 2	CARCINOGENICITY - Category 2
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/ IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITIZATION - Category 1
Eye Irrit. 2	
Skin Corr. 1	
Skin Corr. 1C	
Skin Irrit. 2	
Skin Sens. 1	
Skin Sens. 1A	SKIN SENSITIZATION - Category 1A

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Notice to the reader

IMPORTANT NOTE. The information in this data sheet is not intended to be exhaustive and is based on our current technical knowledge and the laws in force: anyone using the product for purposes other than those specifically suggested in the data sheet, without having first obtained our written permission, does so at their own risk. It is always the user's responsibility to take all necessary measures to comply with local laws. Always read the Safety Data Sheet and Technical Data Sheet for this product, where available. All advice or statements made by us regarding the product (whether in this data sheet or otherwise) are correct to the best of our knowledge, but the quality or condition of the substrate or the many external factors which influence the use and application of the product are beyond our control. Accordingly, in the absence of a specific written agreement, we accept no liability for the performance of the product or for loss or damage arising from its use. All products and technical advice supplied comply with our standard terms and conditions of sale. We recommend that you ask for a copy of this document and read it carefully. The information contained in this sheet is subject to periodic changes, in the light of experience acquired and our policy of continuous development. It is the user's responsibility to verify that this sheet is updated before using the product.

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