

MORAVIA - MORASIN-T HARDENER (COMPONENT B) YP17-3000B

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: MORAVIA - MORASIN-T HARDENER (COMPONENT B) YP17-3000B

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

Relevant uses: Hardener for coatings. For professional user/industrial user only.

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet: MORAVİA BOYA VE KİMYA SAN.TİC.LTD.ŞTİ FEVZİ ÇAKMAK CADDESİ NO:2 SEFAKÖY/ KÜÇÜKÇEKMECE İSTANBUL - TURKEY Phone.: +90 212 579 13 36 - Fax: +90 212 426 55 12 moravia@moravia.com.tr www.moravia.com.tr

1.4 Emergency telephone number:

SECTION 2: HAZARDS IDENTIFICATION **

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Acute Tox. 4: Acute toxicity, Category 4, H302+H332 Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411 Asp. Tox. 1: Aspiration hazard, Category 1, H304 Eye Dam. 1: Serious eye damage, Category 1, H318 Skin Irrit. 2: Skin irritation, Category 2, H315 Skin Sens. 1: Sensitisation, skin, Category 1, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:





Hazard statements:

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways Eye Dam. 1: H318 - Causes serious eye damage Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1: H317 - May cause an allergic skin reaction

Precautionary statements:

P271: Use only outdoors or in a well-ventilated area P280: Wear protective gloves/protective clothing/eye protection/face protection P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor P302+P352: IF ON SKIN: Wash with plenty of water P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310: Immediately call a poison center/doctor

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively

Supplementary information:

Contains 3,6-diazaoctanethylenediamin

Substances that contribute to the classification

Polyamide (Viscosity 1250 cP a 20°); 2,4,6-tris(dimethylaminomethyl)phenol; Bis(isopropyl)naphthalene; benzyl alcohol

** Changes with regards to the previous version



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SECTION 2: HAZARDS IDENTIFICATION ** (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

** Changes with regards to the previous version

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Miscellaneous products

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification		Chemical name/Classification		Concentration
CAS:	68410-23-1	Polyamide (Viscosity	1250 cP a 20°) ⁽¹⁾	Self-classified	
EC: Index: REACH:	614-452-7 Non-applicable 01-2119972323-38- XXXX	Regulation 1272/2008	Eye Dam. 1: H318 - Danger		10 - <25 %
CAS:	90-72-2	2,4,6-tris(dimethylar	ninomethyl)phenol ⁽¹⁾	ATP CLP00	
	202-013-9 603-069-00-0 01-2119560597-27- XXXX	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning		10 - <25 %
CAS:	38640-62-9 254-052-6 Non-applicable 01-2119565150-48- XXXX	Bis(isopropyl)naphthalene ⁽¹⁾ Self-classified			
Index: REACH:		Regulation 1272/2008	Aquatic Chronic 1: H410; Asp. Tox. 1: H304 - Danger	الله الله الله الله الله الله الله الله	10 - <25 %
CAS:	100-51-6	benzyl alcohol ⁽¹⁾		Self-classified	
	202-859-9 603-057-00-5 01-2119492630-38- XXXX	Regulation 1272/2008	Acute Tox. 4: H302+H332; Eye Irrit. 2: H319 - Warning	\$	2,5 - <10 %
CAS:	112-24-3	3,6-diazaoctanethylenediamin ⁽¹⁾ ATP CLP00			
	203-950-6 612-059-00-5 Non-applicable	Regulation 1272/2008	Acute Tox. 4: H312; Aquatic Chronic 3: H412; Skin Corr. 1B: H314; Skin Sens. 1: I Danger	H317 - 🚺 🏠	1 - <2,5 %

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

** Changes with regards to the previous version

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

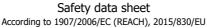
By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:





SECTION 4: FIRST AID MEASURES (continued)

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

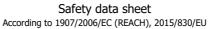
6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation





SECT	rion 7: Handling and	OSTORAGE (continued)
	spills and residues, de cleanliness where dan	nt legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control stroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and gerous products are used. ations for the prevention of fires and explosions
	to avoid the generation conditions and materia	ble under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds n of electrostatic charges that can affect flammable products. Consult section 10 for information on als that should be avoided. ations to prevent ergonomic and toxicological risks
	Do not eat or drink du	ring the process, washing hands afterwards with suitable cleaning products.
	D Technical recommenda	ations to prevent environmental risks
	control barriers in case	his product for the environment it is recommended to use it within an area containing contamination e of spillage, as well as having absorbent material in close proximity.
7.2	Conditions for safe stor	rage, including any incompatibilities:
	A Technical measures fo	r storage
	Minimum Temp.:	5 °C
	Maximum Temp.:	30 °C
	Maximum time:	6 Months
	B General conditions for	storage
	Avoid sources of heat,	radiation, static electricity and contact with food. For additional information see subsection 10.5
7.3	Specific end use(s):	

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace

There are no occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
2,4,6-tris(dimethylaminomethyl)phenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 90-72-2	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 202-013-9	Inhalation	Non-applicable	Non-applicable	0,31 mg/m ³	Non-applicable
Bis(isopropyl)naphthalene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 38640-62-9	Dermal	Non-applicable	Non-applicable	4,3 mg/kg	Non-applicable
EC: 254-052-6	Inhalation	Non-applicable	Non-applicable	30 mg/m ³	Non-applicable
benzyl alcohol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 100-51-6	Dermal	47 mg/kg	Non-applicable	9,5 mg/kg	Non-applicable
EC: 202-859-9	Inhalation	450 mg/m ³	Non-applicable	90 mg/m ³	Non-applicable

DNEL (General population):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Bis(isopropyl)naphthalene	Oral	Non-applicable	Non-applicable	2,1 mg/kg	Non-applicable
CAS: 38640-62-9	Dermal	Non-applicable	Non-applicable	2,1 mg/kg	Non-applicable
EC: 254-052-6	Inhalation	Non-applicable	Non-applicable	7,4 mg/m ³	Non-applicable
benzyl alcohol	Oral	25 mg/kg	Non-applicable	5 mg/kg	Non-applicable
CAS: 100-51-6	Dermal	28,5 mg/kg	Non-applicable	5,7 mg/kg	Non-applicable
EC: 202-859-9	Inhalation	40,55 mg/m ³	Non-applicable	8,11 mg/m ³	Non-applicable
PNEC:					



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2,4,6-tris(dimethylaminomethyl)phenol	STP	0,2 mg/L	Fresh water	0,084 mg/L
CAS: 90-72-2	Soil	Non-applicable	Marine water	0,0084 mg/L
EC: 202-013-9	Intermittent	0,84 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Bis(isopropyl)naphthalene	STP	0,15 mg/L	Fresh water	0,00026 mg/L
CAS: 38640-62-9	Soil	0,1872 mg/kg	Marine water	0,000026 mg/L
EC: 254-052-6	Intermittent	Non-applicable	Sediment (Fresh water)	0,94 mg/kg
	Oral	25 g/kg	Sediment (Marine water)	0,094 mg/kg
benzyl alcohol	STP	39 mg/L	Fresh water	1 mg/L
CAS: 100-51-6	Soil	0,456 mg/kg	Marine water	0,1 mg/L
EC: 202-859-9	Intermittent	2,3 mg/L	Sediment (Fresh water)	5,27 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,527 mg/kg

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory respiratory tract protection	Filter mask for gases and vapours		EN 405:2001+A1:2009	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Protective gloves against minor risks	CATI		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2003+ A1:2009 and EN ISO 374-1:2016

"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application"

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2001 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulation in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. Fo periods of prolonged exposure to the product fo professional/industrial users CE III is recommended, in accordance with the regulation in EN ISO 20345:2012 y EN 13832-1:2007



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued) F.- Additional emergency measures Emergency measure Standards Emergency measure Standards **0**+ ANSI Z358-1 DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 ISO 3864-1:2011, ISO 3864-4:2011 Emergency shower Eyewash stations **Environmental exposure controls:** In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D Volatile organic compounds: With regard to Directive 2010/75/EU, this product has the following characteristics: V.O.C. (Supply): 0 % weight

V.O.C. density at 20 °C:	0 kg/m ³	(0 g/L)
Average carbon number:	Non-app	licable
Average molecular weight:	Non-app	licable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties: For complete information see the product datasheet. **Appearance:** Physical state at 20 °C: Liquid Appearance: Not available Colour: Not available Odour: Not available Odour threshold: Non-applicable * Volatility: Boiling point at atmospheric pressure: 270 °C Vapour pressure at 20 °C: 2 Pa Vapour pressure at 50 °C: 25,5 Pa (0,03 kPa) Evaporation rate at 20 °C: Non-applicable * Product description: Density at 20 °C: 1100 - 1160 kg/m³ Relative density at 20 °C: 1,1 - 1,16 Dynamic viscosity at 20 °C: Non-applicable * Kinematic viscosity at 20 °C: Non-applicable * Kinematic viscosity at 40 °C: <20,5 cSt Concentration: Non-applicable * pH: Non-applicable * Vapour density at 20 °C: Non-applicable * Partition coefficient n-octanol/water 20 °C: Non-applicable * Solubility in water at 20 °C: Non-applicable * Solubility properties: Non-applicable * Decomposition temperature: Non-applicable * Melting point/freezing point: Non-applicable * Explosive properties: Non-applicable * *Not relevant due to the nature of the product, not providing information property of its hazards.



SEC	TION 9: PHYSICAL AND CHEMICAL PROPERTIES	G (continued)
	Oxidising properties:	Non-applicable *
	Flammability:	
	Flash Point:	Non Flammable (>60 °C)
	Flammability (solid, gas):	Non-applicable *
	Autoignition temperature:	338 °C
	Lower flammability limit:	Non-applicable *
	Upper flammability limit:	Non-applicable *
	Explosive:	
	Lower explosive limit:	Non-applicable *
	Upper explosive limit:	Non-applicable *
9.2	Other information:	
	Surface tension at 20 °C:	Non-applicable *
	Refraction index:	Non-applicable *
	*Not relevant due to the nature of the product, not providing inform	nation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity : The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
 - Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- B- Inhalation (acute effect):



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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
 - IARC: Non-applicable
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
 - Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as
 - it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- H- Aspiration hazard:

The consumption of a considerable dose can cause pulmonary damage.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Ad	Acute toxicity		
3,6-diazaoctanethylenediamin	LD50 oral	2100 mg/kg	Rat	
CAS: 112-24-3	LD50 dermal	1100 mg/kg	Rat	
EC: 203-950-6	LC50 inhalation	Non-applicable		
benzyl alcohol	LD50 oral	500 mg/kg	Rat	
CAS: 100-51-6	LD50 dermal	2500 mg/kg (ATEi)		
EC: 202-859-9	LC50 inhalation	11 mg/L (4 h) (ATEi)		
2,4,6-tris(dimethylaminomethyl)phenol	LD50 oral	1200 mg/kg	Rat	
CAS: 90-72-2	LD50 dermal	Non-applicable		
EC: 202-013-9	LC50 inhalation	Non-applicable		

SECTION 12: ECOLOGICAL INFORMATION **

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Identification	Acute toxicity		Species	Genus
2,4,6-tris(dimethylaminomethyl)phenol	LC50	345 mg/L (96 h)	QSAR	Fish
CAS: 90-72-2	EC50	Non-applicable		
EC: 202-013-9	EC50	Non-applicable		

** Changes with regards to the previous version



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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification		Acute toxicity	Species	Genus	
Bis(isopropyl)naphthalene	LC50	0.1 - 1 mg/L (96 h)		Fish	
CAS: 38640-62-9	EC50	0.1 - 1 mg/L		Crustacean	
EC: 254-052-6	EC50	0.1 - 1 mg/L		Algae	
benzyl alcohol	LC50	646 mg/L (48 h)	Leuciscus idus	Fish	
CAS: 100-51-6	EC50	400 mg/L (24 h)	Daphnia magna	Crustacean	
EC: 202-859-9	EC50	79 mg/L (3 h)	Scenedesmus subspicatus	Algae	
3,6-diazaoctanethylenediamin	LC50	495 mg/L (96 h)	Pimephales promelas	Fish	
CAS: 112-24-3	EC50	31.1 mg/L (48 h)	Daphnia magna	Crustacean	
EC: 203-950-6	EC50	Non-applicable			

12.2 Persistence and degradability:

Identification	Identification Degradability		Biodegradability	
benzyl alcohol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 100-51-6	COD	Non-applicable	Period	14 days
EC: 202-859-9	BOD5/COD	Non-applicable	% Biodegradable	94 %

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential		
2,4,6-tris(dimethylaminomethyl)phenol	BCF	3	
CAS: 90-72-2	Pow Log	0.77	
EC: 202-013-9	Potential	Low	
benzyl alcohol	BCF	0	
CAS: 100-51-6	Pow Log	1.1	
EC: 202-859-9	Potential	Low	

12.4 Mobility in soil:

Identification	Absorp	Absorption/desorption		tility
2,4,6-tris(dimethylaminomethyl)phenol	Кос	15130	Henry	9,312E-12 Pa·m ³ /mol
CAS: 90-72-2	Conclusion	Immobile	Dry soil	No
EC: 202-013-9	Surface tension	Non-applicable	Moist soil	No
benzyl alcohol	Кос	Non-applicable	Henry	Non-applicable
CAS: 100-51-6	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 202-859-9	Surface tension	3,679E-2 N/m (25 °C)	Moist soil	Non-applicable
3,6-diazaoctanethylenediamin	Кос	Non-applicable	Henry	Non-applicable
CAS: 112-24-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 203-950-6	Surface tension	4,307E-2 N/m (25 °C)	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

** Changes with regards to the previous version

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)	
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Dangerous	
Type of waste (Regulation (EU) No 1357/2014):			
HP14 Ecotoxic, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant — skin irritation and eye damage			

Waste management (disposal and evaluation):



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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land: With regard to ADR 2019 and RID 2019: 14.1 UN number: UN3066 14.2 UN proper shipping name: PAINT RELATED MATERIAL 14.3 Transport hazard class(es): 8 Labels: 8 14.4 Packing group: Π 14.5 Environmental hazards: Yes 14.6 Special precautions for user Special regulations: 163, 367 Tunnel restriction code: Е Physico-Chemical properties: see section 9 Limited quantities: 1 L 14.7 Transport in bulk according Non-applicable to Annex II of Marpol and the IBC Code: Transport of dangerous goods by sea: With regard to IMDG 39-18: 14.1 UN number: UN3066 14.2 UN proper shipping name: PAINT RELATED MATERIAL 14.3 Transport hazard class(es): 8 Labels: 8 14.4 Packing group: IT 14.5 Environmental hazards: Yes 14.6 Special precautions for user Special regulations: 163, 367 EmS Codes: F-A, S-B Physico-Chemical properties: see section 9 Limited quantities: 1 L Segregation group: Non-applicable 14.7 Transport in bulk according Non-applicable to Annex II of Marpol and the IBC Code: Transport of dangerous goods by air: With regard to IATA/ICAO 2020:



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SECTION 14: TRANSPORT I	NFORMATION (continued)	
14.1 14.2 14.3 14.4 14.5 14.6	UN number: UN proper shipping name: Transport hazard class(es): Labels: Packing group: Environmental hazards: Special precautions for user Physico-Chemical properties: Transport in bulk according to Annex II of Marpol and the IBC Code:	UN3066 PAINT RELATED MATERIAL 8 8 II Yes see section 9 Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains benzyl alcohol.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: benzyl alcohol (Product-type 6)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
E2		200	500

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Shall not be used in:

—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,

-tricks and jokes,

-games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION **

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

** Changes with regards to the previous version



SECTION 16: OTHER INFORMATION ** (continued)
COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 12):
· New declared substances
Bis(isopropyl)naphthalene (38640-62-9)
Substances that contribute to the classification (SECTION 2):
New declared substances Bis(isopropyl)naphthalene (38640-62-9)
· Removed substances
3,6-diazaoctanethylenediamin (112-24-3)
CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
Pictograms
Hazard statements Precautionary statements
Supplementary information
Texts of the legislative phrases mentioned in section 2:
H318: Causes serious eye damage
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H411: Toxic to aquatic life with long lasting effects
H302+H332: Harmful if swallowed or if inhaled
H304: May be fatal if swallowed and enters airways Texts of the legislative phrases mentioned in section 3:
The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the
individual components which appear in section 3
CLP Regulation (EC) No 1272/2008:
Acute Tox. 4: H302 - Harmful if swallowed
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled
Acute Tox. 4: H312 - Harmful in contact with skin
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways Eye Dam. 1: H318 - Causes serious eye damage
Eye Irrit. 2: H319 - Causes serious eye irritation
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage
Skin Irrit. 2: H315 - Causes skin irritation
Skin Sens. 1: H317 - May cause an allergic skin reaction
Classification procedure:
Eye Dam. 1: Calculation method Skin Irrit. 2: Calculation method
Skin Sens. 1: Calculation method
Aquatic Chronic 2: Calculation method
Acute Tox. 4: Calculation method
Asp. Tox. 1: Calculation method
Advice related to training:
Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their
comprehension and interpretation of this safety data sheet, as well as the label on the product.
Principal bibliographical sources:
http://echa.europa.eu http://eur-lex.europa.eu
Abbreviations and acronyms:
ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
** Changes with regards to the previous version



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The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.