

Drycoat Finish Satin/ White/ Grey7032

Sealant finish, Satin, White or Gray 7032 colors

PRODUCT

Two-component, UV-stabilized, non-pigmented, fast-reacting seal based on poly-methylmethacrylate (PMMA).

USAGES

Drycoat Finish Satin is used as a non-pigmented seal on sandblasted and non-sandblasted PMMA Drycoat systems to increase chemical and mechanical resistance.

ADVANTAGES

- > It polymerizes and becomes resistant in a short time
- > Transparent with opaque appearance
- > Solvent-free
- > Resists UV rays

PREPARATION OF THE SUBSTRATE

The substrates to be sealed must be solid, dry, free of components that are detaching or that reduce adhesion. During execution, the surface temperature must be at least 3 ° C above the dew point. At lower temperatures, a film of moisture with a non-stick action may form on the surface to be processed.

MIXING

After mixing the resin base well, add the relative quantity of catalyst, mixing slowly with a stirrer and taking care not to form lumps. Mixing time at least 2 min.

PLACEMENT

Drycoat Finish Satin can be processed at ambient and substrate temperatures of at least 0 ° C up to max. +35 ° C. In the closed environments must be provided with mandatory ventilation with at least 7 air changes per hour. Evenly apply Drycoat Finish Satin in a criss-cross direction with a universal roller.

Consumption at least 0.50 kg / m². Rain resistant after about 30 min, walkable after about 2 hours.



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PACKAGING

Goods in a bucket
Summer / winter regulation

10,00 kg / 10,00 kg Drycoat Finish Satin
0,20 kg / 0,60 kg Drycoat Catalyst

STORAGE

Fresh, dry, frost-free, unopened and unmixed about 6 months. Direct solar radiation on packages should be avoided, even on construction sites.

RESISTENZA AGLI AGENTI CHIMICI

Ethyl acetate --	Diesel ++
Acetone -	Ethanol 10% ++
Acetic acid 10% ++ *	Vegetable fats ++
Hydrochloric acid 10% ++ *	Potassium hydroxide 10% ++ *
Sulfuric acid 10% ++ *	Castor oil ++
Water ++	Engine oil ++
Sea water ++	Sodium chloride solution ++
Ammonia 10% ++ *	Caustic soda solution 10% ++ *
Petrol ±	Orange juice ++
Coffee ++	Turpentine ±
Sanitary detergents ++ *	Red wine ± *
Dishwashing detergent ++	Xylene -

Note:

- ++ = resistant
- ± = limitedly resistant (ca. 24 hours)
- = non resistant
- * = possible color change

Safety data sheet



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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 PRODUCT IDENTIFIER	Commercial Product Name:	Drycoat Finish Satin /White /Grey7032
1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST	Relevant identified uses	Sealing
	Recommended restrictions	Reserved for industrial and professional users
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET	Company:	Drytech International SA via Industrie 12 CH-6930 Bedano TI SVIZZERA
	T	+41 (0)91 960 23 49
	@	info@drytechinternational.com
1.4 EMERGENCY TELEPHONE NUMBER	Switzerland: 145 From abroad: +41 44 251 51	

2. HAZARDS IDENTIFICATION

2.1 SUBSTANCE OR MIXTURE CLASSIFICATION	Classification according to Regulation (EC) No. 1272/2008	Flam. Liq. 2; H225	
		Skin Irrit. 2; H315	
		Skin sens. 1; H317	
		STOT SE 3; H335	
2.2 LABEL ELEMENTS	Hazard pictogram		
		GHS02	GHS07
	Signal word	Danger	
	Hazardous component (s) to report on the label:	methyl methacrylate, 2-ethylhexyl acrylate, 2,2'-ethyleniodietyl dimethacrylate	
	H-statement(s):	H225: Highly flammable liquid and vapour. H315: Causes skin irritation.. H317: May cause an allergic skin reaction. H335: May cause respiratory irritation.	

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P-statement(s):

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep the container tightly closed.

P261: Avoid breathing dust / fume / gas / mist / vapors / spray.

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P312: Call a POISON CENTER/doctor if you feel unwell.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P403+P233: Keep the container tightly closed and in a well ventilated place.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 MIXTURES

Chemical characterization

Plasticized methyl methacrylate resin

Hazardous ingredients

Ingredient			Classification (EC) 1272/2008	Concentration
METHYL METHACRYLATE	CAS-Nr.:	80-62-6	Flam. Liq. 2; H225 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1; H317	35.0 - 40.0 % by weight
	EG-Nr.:	201-297-1		
	Index-Nr.:	607-035-00-6		
	REACH-Nr.:	01-2119452498-28-XXXX		
2-ETHYLHEXYL ACRYLATE	CAS-Nr.:	103-11-7	Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335 Aquatic Chronic 3; H412	15.0 - 20.0 % by weight
	EG-Nr.:	203-080-7		
	Index-Nr.:	607-107-00-7		
	REACH-Nr.:	01-2119453158-37-XXXX		
ALIPHATIC URETHANACRYLATE			Skin Irrit. 2; H315 Eye Irrit. 2; H319	15.0 - 20.0 % by weight
2,2'-ETILEN DIOXIDIETIL DIMETACRILATO	CAS-Nr. :	109-16-0	Skin Irrit. 1; H317	1.0 - 5.0 % by weight
	EG-Nr.:	203-652-6		
	REACH-Nr.:	01-2119969287-21-XXXX		

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1,1'-(P-TOLYLIMINO) DIPROPAN-2-OL	CAS-Nr.: EG-Nr.: REACH-Nr.:	38668-48-3 254-075-1 01-2119980937-17-XXXX	Acute Tox. 2; H300 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	0.1 - 1.0 % by weight
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4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES	<i>General advice:</i>	Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.
	<i>Inhalation:</i>	Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
	<i>Skin:</i>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, get medical advice/attention.
	<i>Eyes</i>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	<i>Ingestion:</i>	Rinse mouth. Do NOT induce vomiting. Call a physician immediately.
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	<i>Immediate medical attention</i>	Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA	<i>Suitable extinguishing media</i>	Carbon dioxide (CO ₂), foam, Water spray, Dry powder
	<i>Extinguishing media which must not be used for safety reasons:</i>	High volume water jet
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	<i>Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases</i>	Violent polymerization may be caused by: Extremes of temperature and direct sunlight. Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Exposure to decomposition products may be a hazard to health.

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5.3 ADVICE FOR FIREFIGHTERS	<i>Special protective equipment for firefighting:</i>	In the event of fire, wear self-contained breathing apparatus
	<i>Additional information on firefighting</i>	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses.
6. ACCIDENTAL RELEASE MEASURES		
6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	<i>Personal precautions:</i>	Provide adequate ventilation. The vapors are heavier than air and spread across the soil. Use personal protective equipment.
6.2 ENVIRONMENTAL PRECAUTIONS	<i>Environmental precautions:</i>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP	<i>Methods for cleaning up:</i>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly. Treat recovered material as described in the section "Disposal considerations".
6.4 REFERENCE TO OTHER SECTIONS	<i>Reference to other sections</i>	Disposal considerations See also section 13
6.5 ADDITIONAL INFORMATION		Treat recovered material as described in the section "Disposal considerations".
7. HANDLING AND STORAGE		
7.1 PRECAUTIONS FOR SAFE HANDLING	<i>Advice on safe handling:</i>	Processing can cause the exhalation of flammable volatile products. Wear protective masks in case of insufficient ventilation. Keep the product and empty containers away from heat sources and sources of ignition. Open and handle the container with care. Avoid contact with skin and eyes.
	<i>Precautions:</i>	Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions.

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Advice on protection against fire and explosion:

Take precautionary measures against static discharges. Vapours may form explosive mixture with air. Use water spray to cool unopened containers.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage space and container requirements

Storage must be carried out in agreement with BetrSichV (Germany). Keep in a cool, well-ventilated place. Keep in properly labeled containers. Close open containers carefully and store them upright to avoid spillage.

TRGS 510

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Storage specifications:

Keep in a dry, cool place.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

methyl methacrylate

Switzerland

Long-term exposure value / ppm	Long-term exposure value /mg/m ³	Short-term exposure value / ppm	Short-term exposure value /mg/m ³	Notations	tossicità critical	Measuring method	Source
50	210	100	420	S SSC	polmone occhio OAW	INRS NIOSH	100

Europe

Long-term exposure value / ppm	Short-term exposure value / ppm	Issuing date	Source
50	100	2009/161	24

DNEL	Target group	Exposure via	Exposure frequency	Source
210 mg/m ³	Workers	Inhalation	Local long term effects	100
210 mg/m ³	Workers	Inhalation	Systemic long term effects	100
1,5 mg/cm ²	Workers	Skin	Local long term effects	100
13,67 mg/kg	Workers	Skin	Systemic long term effects	100
105 mg/m ³	Consumers	Inhalation	Local long term effects	100
74,3 mg/m ³	Consumers	Inhalation	Systemic long term effects	100
1,5 mg/cm ²	Consumers	Skin	Local long term effects	100
8,2 mg/kg	Consumers	Skin	Systemic long term effects	100
1,5 mg/cm ²	Consumers	Skin	Local long term effects	100

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2-ethylhexyl acrylate

Switzerland

Long-term exposure value / ppm	Long-term exposure value /mg/m ³	Short-term exposure value / ppm	Short-term exposure value /mg/m ³	Notations	Critical toxicity	Remarks	Source
5	38	5	38	S SSC	OAW	† 1) (see 1.10.3)	26

† 1): Der Stoff kann gleichzeitig als Dampf und Aerosol vorliegen.

DNEL	Target group	Exposure via	Exposure frequency	Source
37,5 mg/m ³	Workers	Inhalation	Local long term effects	100
0,242 mg/m ³	Workers	Skin	Local long term effects	100
0,242 mg/cm ²	Workers	Skin	Local long term effects	100
4,5 mg/m ³	Consumers	Inhalation	Local long term effects	100

100: Company data

PNEC	Exposure via	Source
0,002752 mg/l	Freshwater	100
0,000272 mg/l	Marine water	100
2,3 mg/l	Wastewater treatment plant	100
0,126 mg/kg	Water sediment	100
0,126 mg/kg	Sea water sediment	100
1,0 mg/kg	Soil	100
0,0023 mg/kg	Intermittent release	100

100: Company data

2,2'-ethylenedioxydiethyl dimethacrylate

DNEL	Target group	Exposure via	Exposure frequency	Source
48,5 mg/m ³	Workers	Inhalation	Systemic long term effects	100
13,9 mg/kg	Workers	Skin	Systemic long term effects	100
14,5 mg/m ³	Consumers	Inhalation	Systemic long term effects	100
8,33 mg/kg	Consumers	Skin	Systemic long term effects	100
8,33 mg/kg	Consumers	Oral	Systemic long term effects	100

100: Company data

PNEC	Exposure via	Source
0,164 mg/l	Freshwater	100
0,274 mg/kg	Soil	100
0,185 mg/kg	Marine sediment	100
1,85 mg/kg	Freshwater sediment	100
10 mg/l	Waste water treatment	100
0,164 mg/l	intermittent releases	100
0,00164 mg/l	Marine water	100

100: Company data

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1,1'-(p-Tolylimino)dipropan-2-ol

DNEL	Target group	Exposure via	Exposure frequency	Source
2 mg/m ³ 100	Workers	Inhalation	Long term effects	100
0,6 mg/kg	Workers	Skin	Long term effects	100

100: Company data

PNEC	Exposure via	Source
199,5 mg/l	Waste water treatment	100
0,0072 mg/kg	Marine water	100
0,017 mg/l	Freshwater	100

100: Company data

8.2 EXPOSURE CONTROLS	<i>Respiratory protection</i>	Vapour during processing may be irritating to the respiratory tract and to the eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
	<i>Remarks:</i>	Recommended Filter type: A1, A2 (in case of higher concentration).
		Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
	<i>Hand protection</i>	Protective gloves according to EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Please also take into consideration the specific local conditions in which the product is used, such as the danger of cuts, abrasion and the duration of contact.
	<i>Unsuitable material:</i>	Woven fabric, Leather gloves.
	<i>Suitable material:</i>	Nitriles
	<i>Material thickness:</i>	0.38 mm
	<i>Break through time:</i>	< 25 min
	<i>Eye protection:</i>	Tightly fitting safety goggles
	<i>Skin and body protection:</i>	Wear suitable protective equipment. Long sleeved clothing
	<i>General protective and hygiene measures</i>	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes.

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Engineering measures

Ensure adequate ventilation, especially in confined areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical state</i>	Liquid
<i>Form</i>	Liquid
<i>Color</i>	Bluish
<i>Odour</i>	Smell of Methylmethacrylate
<i>Melting point [°C] / Freezing point [°C]</i>	Not determined
<i>Boiling point [°C]</i>	> 100 °C
<i>Flash point [°C]</i>	10 °C
<i>Evaporation rate [kg/(s*m²)]</i>	Not determined
<i>Explosion limits [Vol-%]</i>	The product itself has not been tested. methyl methacrylate
<i>Lower limit</i>	1,7 vol. %
<i>Upper limit</i>	12,5 vol. % 2-ethylhexyl acrylate
<i>Lower limit</i>	0,9 vol. %
<i>Upper limit</i>	6,4 vol. %
<i>Vapour density [kPa]</i>	Not determined
<i>Density [g/cm³]</i>	0,98 g/cm ³
<i>Water solubility [g/l]</i>	
<i>Remarks:</i>	Insoluble
<i>Distribution coefficient (n-octanol / water) (log P O/W)</i>	Not determined
<i>Explosive properties</i>	In use, may form flammable/explosive vapour-air mixture.
<i>Oxidising properties</i>	Not relevant

9.2. OTHER INFORMATION

<i>Autoignition temperature [°C]</i>	Not determined
<i>Flow time [s]</i>	22 sec
<i>Temperature:</i>	20 °C
<i>Measuring method:</i>	DIN cup 6 mm

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10. STABILITY AND REACTIVITY

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerize with heat evolution. Risk of receptacle bursting.

10.4 CONDITIONS TO AVOID

Extremes of temperature and direct sunlight.

10.5 INCOMPATIBLE MATERIALS

Materials to avoid:

Reacts violently with peroxides. Reducing agents, Strong bases, Amines, Oxidizing agents

11. TOXICOLOGICAL INFORMATION

11.1 TOXICOLOGICAL INFORMATION

ORAL TOXICITY

Hazardous ingredients

Methyl methacrylate				
Value	Test criterion	Test species	Measuring method	Source
>5001 mg/kg	DL50	Rat	OECD TG 401	100
2-ethylhexyl acrylate				
Value	Test criterion	Test species		Source
4435 mg/kg	DL50	Rat		100

100: Company data

Aliphatic urethanacrylate			
Value	Test criterion	Test species	Source
>2001 mg/kg	DL50	Rat	100

100: Company data

2,2'-ethylenedioxydiethyl dimethacrylate				
Value	Test criterion	Test species	Remarks	Source
10066 mg/kg	DL50	Rat	† 1)	100

† 1): Information given is based on data on the components and the toxicology of similar products.

1,1'-(p-Tolylimino)dipropan-2-ol				
Value	Test criterion	Test species	Measuring method	Source
26 mg/kg	DL50	Rat	OECD TG 423	100

100: Company data

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DERMAL TOXICITY [MG/KG]

Hazardous ingredients

Methyl methacrylate

Value	Test criterion	Test species	Source
>5001 mg/kg	DL50	Rabbit	100

100: Company data

2-ethylhexyl acrylate

Value	Test criterion	Test species	Source
7522 mg/kg	DL50	Rabbit	100

100: Company data

2,2'-ethylenedioxydiethyl dimethacrylate

Value	Test criterion	Test species	Source
>2001 mg/kg	DL50	Rabbit	100

100: Company data

1,1'-(p-Tolyimino)dipropan-2-ol

Value	Test criterion	Test species	Source
2001 mg/kg	DL50	Rat	100

100: Company data

INHALATIVE TOXICITY [MG/L]

Hazardous ingredients

2-ethylhexyl acrylate

Value	Test species	Source
1,19 mg/l	Rat	100

100: Company data

LC50 INHALATION 4H FOR VAPORS [MG/L]

Hazardous ingredients

Methyl methacrylate

Value	Test criterion	Test species	Source
29,8 mg/l	LC50	Rat	100

100: Company data

IRRITANT EFFECT ON SKIN

Hazardous ingredients

Methyl methacrylate

Value	Test species	Source
Irritating	Rabbit	100

-100: Company data

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<i>2-ethylhexyl acrylate</i>			
<i>Value</i>	<i>Test species</i>	<i>Exposure duration</i>	<i>Source</i>
Irritante per la pelle	Rabbit	4 h	100

100: Company data

<i>aliphatic urethanacrylate</i>	
<i>Value</i>	<i>Source</i>
May cause skin irritation.	100

100: Company data

<i>2,2'-ethylenedioxydiethyl dimethacrylate</i>	
<i>Value</i>	<i>Source</i>
No skin irritation	100

100: Company data

<i>1,1'-(p-Tolylimino)dipropan-2-ol</i>	
<i>Value</i>	<i>Source</i>
No skin irritation	100

100: Company data

IRRITANT EFFECT ON EYES

Hazardous ingredients

<i>Methyl methacrylate</i>		
<i>Value</i>	<i>Test species</i>	<i>Source</i>
Irritant	Rabbit	100

100: Company data

<i>2-ethylhexyl acrylate</i>			
<i>Value</i>	<i>Measuring method</i>	<i>Test species</i>	<i>Source</i>
Slightly Irritating	OECD TG 405	Rabbit	100

100: Company data

<i>Aliphatic urethanacrylate</i>	
<i>Value</i>	<i>Source</i>
Causes serious eye irritation	100

100: Company data

<i>2,2'-ethylenedioxydiethyl dimethacrylate</i>	
<i>Value</i>	<i>Source</i>
No eye irritation	100

100: Company data

<i>1,1'-(p-Tolylimino)dipropan-2-ol</i>	
<i>Value</i>	<i>Source</i>
Irritant	100

100: Company data

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SENSITIZATION

Hazardous ingredients

Methyl methacrylate

Value	Test species	Source
Skin sensitizing	Mouse	100

100: Company data

2-ethylhexyl acrylate

Value	Source
Skin sensitizing	100

100: Company data

2,2'-ethylenedioxydiethyl dimethacrylate

Value	Source
Skin sensitizing	100

100: Company data

1,1'-(p-Tolyimino)dipropan-2-ol

Value	Source
No sensitization reactions were observed.	100

100: Company data

CARCINOGENIC EFFECTS

Hazardous ingredients

Methyl methacrylate

Value	Test species	Source
Not a carcinogen	Rat, Mouse	100

100: Company data

2-ethylhexyl acrylate

Value	Source
No known effect	100

100: Company data

2,2'-ethylenedioxydiethyl dimethacrylate

Value	Source
No known effect	100

100: Company data

MUTAGENICITY

Hazardous ingredients

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<i>Methyl methacrylate</i>	
<i>Value</i>	<i>Source</i>
Not mutagenic	100

100: Company data

<i>2-ethylhexyl acrylate</i>	
<i>Value</i>	<i>Source</i>
No known effect	100

<i>2,2'-ethylenedioxydiethyl dimethacrylate</i>	
<i>Value</i>	<i>Source</i>
No known effect	100

<i>1,1'-(p-Tolylimino)dipropan-2-ol</i>	
<i>Value</i>	<i>Source</i>
Negative	100

REPRODUCTION TOXICITY

Hazardous ingredients

<i>Methyl methacrylate</i>	
<i>Value</i>	<i>Source</i>
Not toxic to reproduction	100

<i>2-ethylhexyl acrylate</i>	
<i>Value</i>	<i>Source</i>
No known effect	100

<i>2,2'-ethylenedioxydiethyl dimethacrylate</i>	
<i>Value</i>	<i>Source</i>
No known effect	100

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [mg/kg]

Hazardous ingredients

<i>Methyl methacrylate</i>	
<i>Value</i>	<i>Source</i>
Causes respiratory tract irritation	100

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2-ethylhexyl acrylate	
Value	Source
Causes respiratory tract irritation	100

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) [mg/kg]

Hazardous ingredients

Methyl methacrylate	
Value	Source
No known effect	100

2-ethylhexyl acrylate	
Value	Source
No known effect	100

11.2 ADDITIONAL INFORMATION Experience in practice:

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritating to eyes, respiratory system and skin. Irritating to mucous membranes

12. ECOLOGICAL INFORMATION

12.1 TOXICITY

Hazardous ingredients

TOXICITY TO FISH[mg/l]

Hazardous ingredients

Methyl methacrylate					
Value	Test	Test species	Measuring method	Exposure duration	Source
191 mg/l	LC50	Oncorhynchus mykiss (Rainbow trout)	OECD TG 203	96 h	100

2-ethylhexyl acrylate					
Value	Test	Test species	Measuring method	Exposure duration	Source
1,81 mg/l	LC50	Oncorhynchus mykiss (Rainbow trout)	OECD TG 203	96 h	100

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2,2'-ethylenedioxydiethyl dimethacrylate					
Value	Test	Test species	Measuring method	Exposure duration	Source
16,4 mg/l	LC50	Brachydanio rerio (Zebra fish)	OECD TG 203	96 h	100

1,1'-(p-Tolylimino)dipropan-2-ol					
Value	Test	Test species	Measuring method	Exposure duration	Source
17 mg/l	LC50	Brachydanio rerio (Zebra fish)		96 h	100

TOXICITY TO DAPHNIA [mg/l]

Hazardous ingredients

Methyl methacrylate					
Value	Test	Test species	Measuring method	Exposure duration	Source
69 mg/l	EC50	Daphnia magna (Water flea)	OECD TG 202	48 h	100

2-ethylhexyl acrylate					
Value	Test	Test species	Measuring method	Exposure duration	Source
1,3 mg/l	EC50	Daphnia magna (Water flea)	OECD TG 202	48 h	100

Aliphatic urethanacrylate					
Value	Test	Test species	Measuring method	Exposure duration	Source
>100 mg/l	LC50	Daphnia magna (Water flea)			100

2,2'-ethylenedioxydiethyl dimethacrylate					
Value	Test	Test species	Measuring method	Exposure duration	Source
30,2 mg/l	EC50	Daphnia magna (Water flea)		21 days	100

1,1'-(p-Tolylimino)dipropan-2-ol					
Value	Test	Test species	Measuring method	Exposure duration	Source
28,8 mg/l	EC50	Daphnia magna (Water flea)		21 days	100

TOXICITY TO ALGAE [mg/l]

Hazardous ingredients

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Sealant finish, Satin, White or Gray 7032 colors

<i>Methyl methacrylate</i>					
<i>Value</i>	<i>Test</i>	<i>Test species</i>	<i>Measuring method</i>	<i>Exposure duration</i>	<i>Source</i>
>100 mg/l	EC50	Selenastrum capricornutum (green algae)	OECD TG 201	72 h	100

<i>2-ethylhexyl acrylate</i>					
<i>Value</i>	<i>Test</i>	<i>Test species</i>	<i>Measuring method</i>	<i>Exposure duration</i>	<i>Source</i>
1,71 mg/l	CE50r	Desmodesmus subspicatus	OECD TG 201	72 h	100

<i>2,2'-ethylenedioxydiethyl dimethacrylate</i>					
<i>Value</i>	<i>Test</i>	<i>Test species</i>	<i>Measuring method</i>	<i>Exposure duration</i>	<i>Source</i>
>101 mg/l	EC50	Pseudokirchneriella subcapitata	OECD TG 201	72 h	100

<i>1,1'-(p-Tolylimino)dipropan-2-ol</i>					
<i>Value</i>	<i>Test</i>	<i>Test species</i>	<i>Exposure duration</i>	<i>Source</i>	
245 mg/l	EC50	Desmodesmus subspicatus	27 h	100	

NOEC (FISH) [mg/l]

Hazardous ingredients

<i>Methyl methacrylate</i>			
<i>Value</i>	<i>Test species</i>	<i>Exposure duration</i>	<i>Source</i>
9,4 mg/l	Brachydanio rerio (Zebra fish)	OECD Test Guideline 210	100

NOEC (DAPHNIA) [mg/l]

Hazardous ingredients

<i>Methyl methacrylate</i>			
<i>Value</i>	<i>Test species</i>	<i>Exposure duration</i>	<i>Source</i>
37 mg/l	Daphnia magna (Water flea)	OECD Test 202	100

NOEC (ALGAE) [mg/l]

Hazardous ingredients

<i>2-ethylhexyl acrylate</i>			
<i>Value</i>	<i>Test species</i>	<i>Exposure duration</i>	<i>Source</i>
0,45 mg/l	Desmodesmus subspicatus	OECD Test 202	100

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12.2 PERSISTENCE AND DEGRADABILITY

<i>Methyl methacrylate</i>		
<i>Value</i>	<i>Method of analysis</i>	<i>Source</i>
Readily biodegradable	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	100

<i>2-ethylhexyl acrylate</i>		
<i>Value</i>		<i>Source</i>
Readily biodegradable.		100

<i>2,2'-ethylenedioxydiethyl dimethacrylate</i>		
<i>Value</i>		<i>Source</i>
Readily biodegradable.		100

<i>1,1'-(p-Tolylimino)dipropan-2-ol</i>		
<i>Value</i>		<i>Source</i>
Hardly biodegradable		100

12.3 BIOACCUMULATIVE POTENTIAL

<i>Methyl methacrylate</i>		
<i>Value</i>		<i>Source</i>
Does not bioaccumulate		100

<i>2-ethylhexyl acrylate</i>		
<i>Value</i>		<i>Source</i>
Bioaccumulation slight, log Pow 4,64		100

<i>2,2'-ethylenedioxydiethyl dimethacrylate</i>		
<i>Value</i>		<i>Source</i>
Slight		100

<i>1,1'-(p-Tolylimino)dipropan-2-ol</i>		
<i>Value</i>		<i>Source</i>
No data available		100

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12.4 MOBILITY IN SOIL

MOBILITY

Hazardous ingredients

Methyl methacrylate	
Value	Source
Does not bioaccumulate	100

12.5 RESULTS OF PBT AND vPvB ASSESSMENT

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 OTHER ADVERSE EFFECTS

Further information on ecology

We have no quantitative data concerning the ecological effects of this product.

13 DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Disposal considerations:

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:

Waste Code:

08 01 11*waste paint and varnish containing organic solvents or other dangerous substances

Waste Code (CH)

Als Sonderabfall entsorgen.
08 01 11* waste paint and varnish containing organic solvents or other dangerous substances

Uncleaned empty packaging:

The return of packaging materials is regulated by the Interseroh system.

14. Transport information

Land transport ADR/RID

Marine transport IMDG




Air transport ICAO/IATA

14.1 UN-NO	1263	1263	1263
14.2 DESCRIPTION OF THE GOODS	PAINT	PAINT	PAINT
UN PROPER SHIPPING NAME		PAINT	PAINT
14.3 TRANSPORT HAZARD CLASS(ES)	3	3	3
14.4 PACKAGING GROUP	III	III	III

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Labels	3 	3 	3 - Flammable liquid 
Risk No.	30		
Category	3		
Factor	1		
Classification Code	F1		
SP 640	640E		
Tunnel restriction code	D/E		
EMS no		F-E;_S-E	
Stowage category		A	

14.7 TRANSPORT IN BULK
ACCORDING TO ANNEX
II OF MARPOL AND THE
IBC CODE

Not relevant

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND
ENVIRONMENTAL REGU-
LATIONS/LEGISLATION
SPECIFIC FOR THE SUB-
STANCE OR MIXTURE

Additional regulations:

Furthermore, national laws must be considered!

Water Hazard Class (Ger.)

1

Classification in compliance with the
Industrial Safety Regulation

Highly flammable

GISCODE

RMA10

Water Hazard Class (Ger.)

Article 13 Maternity Protection Ordinance (SR 822.111.52): In the context of their work, pregnant women and nursing mothers may not come into contact with this product (this substance / this preparation). If, on the basis of a risk assessment, there are no concrete threats to the health of the mother and child or if it is possible to remedy these threats by means of appropriate protective measures, they can work with this product (this substance / this preparation) (Art. 63 OLL 1; RS 822.111).

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Article 4 paragraphs 1 to 4 of the ordinance on the protection of young workers (OLL 5, RS 822.115); article 1 lett. f of the EAER Ordinance on Dangerous Jobs for Young People (SR 822.115.2): Young people undergoing basic vocational training are only allowed to work with this product (this substance / this preparation) if this is provided for in the respective ordinances on training to achieve the training objectives and whether the conditions of the training plan and the age restrictions in force are met. Young people who do not undergo basic vocational training cannot use this product (this substance / this preparation). Young people with a certificate of practical training (CFP) or a federal certificate of ability (AFC) can carry out dangerous jobs with this product (this substance / this preparation) within the framework of the learned profession. Workers of both sexes up to the age of 18 are considered young.

16. OTHER INFORMATION

Relevant H-phrases

H225: Highly flammable liquids and vapors.
 H300: Fatal if ingested.
 H315: Causes skin irritation.
 H317: It can cause a reaction allergic skin.
 H319: Causes serious eye irritation.
 H335: May cause respiratory irritation.
 H412: Harmful to aquatic organisms with long lasting effects.

Wording of the hazard classes

Flam. Liq.: Flammable liquid
 STOT SE: Specific target organ toxicity - single exposure
 Skin Irrit.: Skin irritation
 Skin Sens.: Skin awareness raising
 Eye Irrit.: Eye irritation
 Aquatic Chronic: Dangerous for the aquatic environment
 Acute Tox.: Acute toxicity

Classification of mixtures and evaluation methods used in accordance with Regulation (EC) No 1272/2008 [CLP]

Classification

Evaluation

Flam. Liq. 2; H225

Calculated

Skin Irrit. 2; H315

Calculated

Skin Sens. 1; H317

Calculated

STOT SE 3; H335

Calculated

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<i>Department issuing safety data sheet:</i>	Environmental Department
<i>Recommended restrictions</i>	Reserved for industrial and professional use.

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.
