

Data sheet

Drycoat Metal Primer

Primer for metal surfaces

PRODUCT	One-component primer for metals, quickly overcoatable based on high quality alkyd resins.
USAGES	It is used as a primer on various metals and rusted substrates.
ADVANTAGES	<ul style="list-style-type: none"> > Quick drying > It inhibits the formation of rust > Low viscosity > Free from lead and chromates
PREPARATION OF THE SUBSTRATE	<p>The substrate must be dry and free from flaking components, grease and oil. For optimal adhesion it is necessary to remove rust, encrustations, scales and old, unconsolidated layers of paint. Where sandblasting is not possible, loose parts of rust, encrustations and old peeling paint layers must be removed with a squeegee or wire brush. In the presence of old solid layers of paint, to ensure good adhesion it is sufficient to roughen them. Compatibility with old solid paint layers must be checked in the individual case in the building.</p> <p>During execution, the surface temperature must be at least 3 ° C above the dew point. At lower temperatures, a moisture film with non-stick action may form on the surface to be processed.</p>
PLACEMENT	<p>Drycoat Metal Primer can be worked at ambient and substrate temperatures of at least +5 ° C up to max. +35 ° C.</p> <p>Relative humidity cannot exceed 85%.</p> <p>Before use, mix or shake the contents of the package until a homogeneous mixture is obtained. Drycoat Metal Primer should be sprayed or applied in thin layers with a short-haired roller or brush. Avoid the placement of excessively thick layers. The spray can must be used at a distance of about 20 cm from the surface to be treated. Excessive spraying can contaminate the surrounding area. Once Drycoat Metal Primer has reached complete hardening, processing can continue.</p>



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WARNING

Drycoat Metal Primer reaches the definitive detachment strength after about 3 days. Do not carry out peeling tests in advance.

PACKAGES

0.50 l spray can.

STORAGE

Keep in a cool, dry, frost-free place. The unopened and unmixed product lasts up to 24 months. Direct solar radiation on packages should be avoided, even on site.

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

1.1 PRODUCT IDENTIFIER	Commercial Product Name:	Drycoat Metal Primer 2,5 ltr
1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST	Relevant identified uses	Liquid plastic seal
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	Aerosol 1; H222 H229
		Skin Irrit. 2; H315
		Eye Irrit. 2; H319
		STOT SE 3; H335
		STOT RE 2; H373
		Asp. Tox 1; H304
		Aquatic Chronic 2; H411

2.2. LABEL ELEMENTS	Hazard pictogram		
		GHS02	GHS07
			
		GHS08	GHS09
Signal word		Danger	

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<i>Hazardous component (s) to report on the label:</i>	Xilene
<i>H-statement(s):</i>	<p>H222: Highly flammable aerosol.</p> <p>H229: Pressurized container: May burst if heated.</p> <p>H315: Causes skin irritation..</p> <p>H319: Causes serious eye irritation.</p> <p>H335: May cause respiratory irritation.</p> <p>H373: May cause damage to organs through prolonged or repeated exposure.</p> <p>H411: Toxic to aquatic life with long lasting effects</p>
<i>P-statement(s):</i>	<p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211: Do not spray on an open flame or other ignition source.</p> <p>P251: Do not pierce or burn, even after use.</p> <p>P260: Do not breathe dust / fume / gas / mist / vapors / spray.</p> <p>P261: Avoid breathing dust / fume / gas / mist / vapors / spray.</p> <p>P264: Wash thoroughly after use.</p> <p>P273: Do not disperse in the environment.</p> <p>P280: Wear protective gloves / clothing / Protect eyes / face / protect hearing.</p> <p>P314: In case of malaise consult a doctor.</p> <p>P337+P313: If eye irritation persists, consult a doctor.</p> <p>P391: Collect spilled material.</p> <p>P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 ° C / 122 ° F.</p>
<i>Additional information</i>	EUH211: Attention! In case of vaporization, dangerous respirable droplets may be formed. Do not breathe vapors or mists.

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3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 MIXTURES

Chemical characterization

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DANGEROUS INGREDIENTS

Ingredient			Classification (EC) 1272/2008	Concentration
DIMETILETERE	CAS-Nr.: CE-Nr.: Index-Nr.: REACH-Nr.:	115-10-6 204-065-8 603-019-00-8 01-2119472128-37-XXXX	Flam. Gas 1; H220	70.0 - 75.0 % by weight
XILENE	CE-Nr.: Index-Nr.: REACH-Nr.:	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32-XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304	5.0 - 10.0 % by weight
COMBINATION OF ETHYLBENZENE AND XYLENE	No. CE: No. REACH:	905-588-0 01-2119488216-32-XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304	5.0 - 10.0 % by weight
BIS (ORTHOPHOSPHATE) OF TRIZINC	CAS-Nr.: EG-Nr.: Index-Nr.: REACH-Nr.:	7779-90-0 231-944-3 030-011-00-6 02-2119485044-40-XXX	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	1.0 - 5.0 % by weight
TITANIUM DIOXIDE	No. CAS: No. CE: No. REACH:	13463-67-7 236-675-5 01-2119489379-17-XXXX	Il prodotto non è classificato come pericoloso ai sensi dell'ordinamento (CE) n° 1272/2008 [CLP].	1.0 - 5.0 % by weight
ETHYLBENZENE	No. CAS: No. CE: No. INDICE: No. REACH:	100-41-4 202-849-4 601-023-00-4 01-2119489370-35-XXXX	Flam. Liq. 2; H225 Acute Tox. 4; H332 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	1.0 - 5.0 % by weight
ZINC OXIDE	CAS-Nr.: EG-Nr.: Index-Nr.: REACH-Nr.:	1314-13-2 215-222-5 030-013-00-7 01-2119463881-32-XXXX	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	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 your mouth. DO NOT induce vomiting. Call a doctor 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>	They can form explosive mixtures with air. Ensure sufficient air exchange and / or suction in the workplace. The flame produces dense black smoke containing hazardous combustion products (see section 10). Inhaling decomposition products can cause damage to health.
5.3 ADVICE FOR FIREFIGHTERS	<i>Special protective equipment for firefighting:</i>	In the event of fire, wear self-contained breathing apparatus

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Additional information on firefighting

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. Pay attention to the atomization of gas, especially at the level of the Soil (gas heavier than air) and in the direction of the wind. 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. 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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	<i>Advice on protection against fire and explosion:</i>	Avoid the accumulation of electrostatic charges. Vapors can form an explosive mixture with air. Splashes of water can be used to cool closed containers
7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	<i>Storage space and container requirements</i>	Storage must be carried out in agreement with BetrSichV (Germany). Keep in a cool, well-ventilated place. Keep in an area with solvent-resistant floors. Keep in properly labeled containers. Close open containers carefully and store them upright to avoid spillage.
	TRGS 510	2B

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

DIMETILETERE

Switzerland

Long-term exposure value / mg/m ³	Short-term exposure value / ppm	Critical toxicity	Source
1910	1000	Formal-mente	SUVA Switzerland 2017

Europe

Long-term exposure value / mg/m ³	Short-term exposure value / ppm	Data	Source
1920	1000	2000/39	24

Source: 24 - DIRECTIVE 2009/161 / EU

PNEC

Value	Exposure via	Source
0,155 mg/l	Freshwater	10
1,549 mg/l	Intermittent release	10
0,016 mg/l	Sea water	10
0,681 mg/l	Freshwater sediment	10
0,069 mg/l	Marine sediment	10
0,045 mg/l	Soil	10

Source: 10 - Company data

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XILENE

Switzerland

Switzerland	Parameter	Analysis material	Moment of sampling	Source
2 g/l	Methyl hippuric acid	U	b	SUVA Switzerland 2017

Switzerland

Long-term exposure value / ppm	Long-term exposure value / mg/m ³	Long-term exposure value / ppm	Short-term exposure value /mg/m ³	Notations	Critical toxicity	Measuring method	Source
100	435	200	870	H B	OAW eye CNS Vertigo	INRS NIOSH	SUVA Switzerland 2017

Europe

Long-term exposure value / mg/m ³	Long-term exposure value / ppm	Value a breve termine / mg/m ³	Value a breve termine / ppm	Remarks	Date of the edition	Source
221	50	442	100	Skin	2000/39	Directive 2009/161/UE

DNEL

Value	Target group	Exposure via	Exposure frequency	Source
77 mg/m ³	Workers	Inhalation	Local systemic long term effects	100
289 mg/ m ³	Workers	Inhalation	Short-term effects local systemic	100
174 mg/m ³	Workers	Skin	Short-term effects local	100
174 mg/m ³	Consumers	Inhalation	Short-term effects local + systemic	100
14,8 mg/m ³	Consumers	Inhalation	Long term effects systemic	100
1,6 mg/kg	Consumers	Oral	Long term effects systemic	100
108 mg/kg	Consumers	Skin	Long term effects systemic	100

PNEC

Value	Exposure via	Source
0,327 mg/l	Freshwater	100
12,46 mg/kg	Freshwater sediment	100
2,31 mg/kg	Soil	100
6,58 mg/l	Waste water treatment	100

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Combination of ethylbenzene and xylene

Switzerland	Parameter	Analysis material	Time of sampling	Source
11,5 g/g creatinine (874 µmol/mmol creatinine)	Methyl hippuric acid	U	c, b	SUVA Switzerland 2017
1,5 mg/l (14,1 µmol/l)	Xilene	B	b	SUVA Switzerland 2017

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	Remarks	Source
100	435	200	870	H O L B	† 1)	SUVA Switzerland 2017

Europe						
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	Date of the edition	Source
221	50	442	100	H O L B	2000/39	DIRETTIVA 2009/ 161/ UE

DNEL	Target group	Exposure via	Exposure frequency	Source
77 mg/m ³	Workers	Inhalation	Local systemic long term effects	Company data
289 mg/m ³	Workers	Inhalation	Local systemic long term effects	Company data
180 mg/m ³	Workers	Skin	Local systemic long term effects	Company data
174 mg/m ³	Consumers	Inhalation	Local + systemic short-term effects	Company data
14,8 mg/m ³	Consumers	Inhalation	Systemic short-term effects	Company data
1,6 mg/kg	Consumers	Oral	Systemic short-term effects	Company data
108 mg/kg	Consumers	Skin	Systemic short-term effects	Company data

PNEC	Exposure via	Source
0,327 mg/l	Freshwater	Company data
12,46 mg/kg	Freshwater sediment	Company data
2,31 mg/kg	Soil	Company data
6,58 mg/l	Waste water treatment	Company data

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Bis (orthophosphate) of trizinc

DNEL	Target group	Exposure via	Exposure frequency	Source
5 mg/m ³	Workers	Inhalation	Systemic long term effects	Annex 1-29. ATP
83 mg/kg	Workers	Skin	Systemic long term effects	Annex 1-29. ATP
2,5 mg/m ³	Consumers	Inhalation	Systemic local effects	Annex 1-29. ATP
83 mg/kg	Consumers	Skin	Systemic long term effects	Annex 1-29. ATP
0,83 mg/kg bw/d	Consumers	Oral	Systemic long term effects	Annex 1-29. ATP

PNEC	Exposure via	Source
48,1 µg/l	D'Freshwater	Annex 1-29. ATP
14,2 µg/l	Marina	Annex 1-29. ATP
550,2 mg/kg	Freshwater sediment	Annex 1-29. ATP
263,9 mg/kg	Marine sediment	Annex 1-29. ATP
249,4 mg/kg	Soil	Annex 1-29. ATP
121,4 µg/l	Waste water treatment	Annex 1-29. ATP

Long-term exposure value / mg/m ³	Notations	Critical toxicity	tipo di misurazione	Remarks	Source
3 a	SSC	UAW	NIOSH	(see 1.8.2)	SUVA Switzerland 2017

DNEL	Target group	Exposure via	Frequenza di esposizione	Source
10 mg/m ³	Workers	Inhalation	Long term effects locale	Company data
700 mg/m ³	Consumers	Oral	Long term effects	Company data

PNEC	Exposure via	Source
0,127 mg/l	Freshwater	Company data
0,127 mg/l	Marine water	Company data
100 mg/l	STP	Company data
1000 mg/kg	Soil	Company data
100 mg/l	Soil Marine water	Company data
100 mg/l	Soil	Company data

Etilbenzene

Switzerland	Parameter	Analysis material	Time of sampling	Remarks	Source
600 mg/l	Mandelic acid + Phenylglyoxylic acid	U	b	See also styrene	SUVA Switzerland 2017

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Switzerland

Long-term value / ppm	Long-term value / mg/ m ³	Short-term exposure value / ppm	Short-term exposure value / mg/m ³	Remarks	Critical toxicity	Measuring method	Source
50	220	50	220	H O L B	Rene fegato	NIOSH	SUVA Switzerland 2017

Europe

Long-term value / mg/ m ³	Long-term value / ppm	Short-term exposure value / mg/m ³	Short-term exposure value / ppm	Remarks	Issuing date	Source
442	100	884	200	Skin	2000/39	Directive 2009/161/UE

DNEL	Target group	Exposure via	Exposure frequency	Source
77 mg/m ³	Workers	Inhalation	Long term effects sistemici	Company data
180 mg/kg	Workers	Dermale	Long term effects sistemici	Company data

PNEC	Exposure via	Source
0.1 mg/l	Freshwater	Company data
0,01 mg/l	Sea water	Company data
0,1 mg/l	Continuous release	Company data
9,6 mg/l	Pre-treatment of waste water	Company data
13,7 mg/kg	Sediment Freshwater	Company data
1,37 mg/kg	Marine sediment	Company data
2,68 mg/kg	Soil	Company data

ZINC OXIDE

Switzerland							
Long-term value / mg/ m ³	Short-term exposure value / mg/m ³	Critical toxicity	Measuring method	Remarks	Source		
3 a	3 a	Fumi metallici	NIOSH OSHA	Fumo	SUVA Switzerland 2017		

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<i>DNEL</i>	<i>Target group</i>	<i>Exposure via</i>	<i>Exposure frequency</i>	<i>Source</i>
5 mg/cm ²	Workers	Inhalation	Long-term systemic effects	Company data
83,3 mg/kg	Workers	Skin	Long-term systemic effects	Company data
2,5 mg/cm ²	Consumers	Inhalation	Long-term systemic effects	Company data
0,83 mg/kg	Consumers	Oral	Long-term systemic effects	Company data
83 mg/kg	Consumers	Skin	Long-term systemic effects	Company data

<i>PNEC</i>	<i>Exposure via</i>	<i>Source</i>
44,3 mg/kg	Soil	Company data
64,7 µg/l	Waste water treatment	Company data
70,3 mg/kg	Marine sediment	Company data
7,6 µg/l	Marino	Company data
146 mg/kg	Freshwater sediment	Company data
25,6 µg/l	Freshwater	Company data

8.2 Exposure controls

Respiratory protection

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.

Remarks:

Recommended filter type: A2

Use the recommended respiratory protection if the occupational exposure limit is exceeded and / or if the product (dust) is released.

Hand protection

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.

Suitable material:

Nitriles

Unsuitable material:

Woven fabric, Leather gloves.

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<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.
<i>Engineering measures</i>	Ensure adequate ventilation, especially in closed areas. If these measures are not sufficient to keep the concentrations high below the exposure limit, it will be necessary to use adequate means of respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical state</i>	Gaseous
<i>Form</i>	Liquid aerosol
<i>Color</i>	Natural color - various colors
<i>Odour</i>	Similar to hydrocarbons
<i>Odour threshold:</i>	No data available
<i>Melting point [°C] / Freezing point [°C]</i>	No data available
<i>Boiling point [°C]</i>	No data available
<i>Flash point [°C]</i>	-40 °C
<i>Explosion limits [Vol-%]</i>	
<i>Limite inferiore:</i>	3%
<i>Limite superiore:</i>	18%
<i>Vapour pressure [kPa]</i>	420 kPa
<i>Temperature</i>	20 °C
<i>Density [g/cm³]</i>	>1
<i>Density relativa</i>	0,86
<i>Temperature di autoaccensione [°C]</i>	350 °C
<i>Viscosità dinamica [kg/(m*s)]</i>	No data available

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10. STABILITY AND REACTIVITY

10.1 REACTIVITY	There is no data available for this product.
10.2 CHEMICAL STABILITY	Stable under normal conditions.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	No dangerous reactions are known when used under normal conditions.
10.4 CONDITIONS TO AVOID	Heat, flames and sparks.
10.5 INCOMPATIBLE MATERIALS	Strong oxidizing agents, Strong acids and strong bases, Alkali metals.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	Heat or fire can release toxic gases.

11. TOXICOLOGICAL INFORMATION

11.1 TOXICOLOGICAL INFORMATION

Oral toxicity [mg/kg]
Hazardous ingredients

	Value	Test criterion	Test species	Source
XILENE	4300 mg/kg	DL50	Rat	Company data
COMBINATION OF ETHYLBENZENE AND XYLENE	>3523 mg/kg	DL50	Rat	Company data
BIS (ORTHOPHOSPHATE) OF TRIZINC	>5000 mg/kg	DL50	Rat	Annex1- 29. ATP
ETHYLBENZENE	> 3500 mg/kg	DL50	Rat	Company data
ZINC OXIDE	>5000 mg/kg	DL50	Rat, male/Rat, female	Measuring method OECD TG 401 Company data

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Dermal toxicity [mg/kg]

Hazardous ingredients

XILENE	Value	Test criterion	Test species	Source
	12126 mg/kg	DL50	Rabbit	Company data

COMBINATION OF ETHYLBENZENE AND XYLENE	Value	Test criterion	Remarks	Source
	12126 mg/kg	DL50	Chemical safety evaluation	Company data

ETHYLBENZENE	Value	Test criterion	Test species	Source
	> 2001 mg/kg	DL50	Rat	Company data

ZINC OXIDE	Value	Test criterion	Test species	Measuring method	Source
	> 2001 mg/kg	DL50	Rat, male/ Rat, female	OECD TG 402	Company data

Inhalation toxicity [mg/kg]

Hazardous ingredients

ETHYLBENZENE	Value	Test criterion	Test species	Source
	17,65 mg/l	LC0	Rat	Company data

ZINC OXIDE	Value	Test criterion	Test species	Source
	>5,7 mg/l	LC50	Rat, male/ Rat, female	Company data

LC50 Inhalation 4h per gas / ppmV

Hazardous ingredients

DIMETHYLETHER	Value	Test criterion	Test species	Source
	164000 ppm	LC50	Rat	Company data

LC50 Inhalation 4h for vapors / [mg/l]

Hazardous ingredients

DIMETHYLETHER	Value	Test criterion	Test species	Source
	309 mg/l	LC50	Rat	Company data

XILENE	Value	Test criterion	Test species	Exposure duration	Source
	29,901 mg/l	LC50	Rat	4 h	Company data

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COMBINATION OF ETHYLBENZENE AND XYLENE	Value	Test criterion	Test species	Duration of exposure	Source
	27,124 mg/l	LC50	Rat	4 h	Company data

ETHYLBENZENE	Value	Source
	17,65 mg/l	Company data

LC50 Inhalation 4h for dusts and mists / [mg/l] Hazardous ingredients

BIS (ORTHOPHOSPHATE) OF TRIZINC	Value	Test criterion	Test species	Source
	5,7 mg/l	LC50	Rat	Company data

ZINC OXIDE	Value	Test criterion	Test species	Source
	5,7 mg/l	LC50	Rat	Company data

Irritant effect on skin Hazardous ingredients

XILENE	Value	Source
	Irritant	Company data

COMBINATION OF ETHYLBENZENE AND XYLENE	Value	Source
	Irritant	Company data

ETHYLBENZENE	Value	Source
	Slight skin irritation	Company data

Irritant effect on eyes Hazardous ingredients

XILENE	Value	Source
	Irritant, causes severe eye irritation	Company data

COMBINATION OF ETHYLBENZENE AND XYLENE	Value	Source
	Irritant, causes severe eye irritation	Company data

ETHYLBENZENE	Value	Source
	Weakly	Company data

ZINC OXIDE	Value	Test criterion	Duration of exposure	Source
	Slightly Irritating	Rabbit	24 h 500 mg	Company data

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Sendibilizzazione

Hazardous ingredients

XILENE	Value	Source
	Negative	Company data

COMBINATION OF ETHYLBENZENE AND XYLENE	Value	Source
	Negative	Company data

9919

9523	1435,79
9524	228780,00
9525	15,65
9526	58,46

Assorbimento tramite la pelle

Hazardous ingredients

XILENE	Value	Source
	Possible skin absorption	Company data
COMBINATION OF ETHYLBENZENE AND XYLENE	Value	Source
	Possible skin absorption	Company data
ETHYLBENZENE	Value	Source
	Possible skin absorption Solvents can degrease the skin	Company data

Specific target organ toxicity (single exposure) [mg/kg]

Hazardous ingredients

XILENE	Value	Source
	Causes respiratory tract irritation	Company data
COMBINATION OF ETHYLBENZENE AND XYLENE	Value	Source
	Causes respiratory tract irritation	Company data

11.2 ADDITIONAL INFORMATION Experience in practice

Symptoms of overexposure can be headache, dizziness, fatigue, nausea and vomiting. Irritant for eyes, respiratory tract and skin.
Irritant for mucous membranes.

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12. ECOLOGICAL INFORMATION

12.1 TOXICITY

Toxicity to fish [mg/l]
Hazardous ingredients

DIMETHYLETHER	Value	Source
	> 4000 mg/l	Company data

XILENE	Value	Test criterion	Essay on the species	Duration of exposure	Source
	2,6 mg/l	LC 50	Oncorhynchus mykiss (Rainbow trout)	96 h	Company data

COMBINATION OF ETHYLBENZENE AND XYLENE	Value	Test criterion	Essay on the species	Duration of exposure	Source
	2,6 mg/l	LC 50	Oncorhynchus mykiss (Rainbow trout)	96 h	Company data

ETHYLBENZENE	Value	Test criterion	Essay on the species	Duration of exposure	Source
	4,2 mg/l	LC 50	Oncorhynchus mykiss (Rainbow trout)	96 h	Company data

Toxicity for Daphnia [mg/l]
Hazardous ingredients

DIMETHYLETHER	Value	Source
	> 4000 mg/l	Company data

XILENE	Value	Test criterion	Essay on the species	Duration of exposure	Source
	1,1 mg/l	EC 50	Daphnia magna (Large water flea)	48 h	Company data

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COMBINATION OF ETHYLBENZENE AND XYLENE	Value	Test criterion	Essay on the species	Duration of exposure	Source
	1,1 mg/l	EC 50	Daphnia magna (Large water flea)	48 h	Company data

BIS (ORTHOPHOSPHATE) OF TRIZINC	Value	Test criterion	Essay on the species	Duration of exposure	Source
	5,7 mg/l	EC 50	Daphnia magna (Large water flea)	48 h	Company data

ETHYLBENZENE	Value	Test criterion	Essay on the species	Duration of exposure	Source
	2,97 mg/l	EC 50	Daphnia magna (Large water flea)	48 h	Company data

ZINC OXIDE	Value	Test criterion	Wise on the species	Duration of exposure	Measuring method	Source
	0,413 mg/l	EC50	Dafnia	48 h		Company data
	0,136 mg/l	EC50	Pseudokirchneriella subcapitata	72 h	OECD TG 201	Company data

Toxicity to algae [mg/l] Hazardous ingredients

XILENE	Value	Test criterion	Essay on the species	Duration of exposure	Source
	2,2 mg/l	EC 50r	Alghe (mg/l)	72 h	Company data

COMBINATION OF ETHYLBENZENE AND XYLENE	Value	Test criterion	Essay on the species	Duration of exposure	Source
	2,2 mg/l	EC 50r	Alghe (mg/l)	72 h	Company data

BIS (ORTHOPHOSPHATE) OF TRIZINC	Value	Test criterion	Test species	Source
	1,87 mg/l	IC 50	Selenastrum capricornutum (green algae)	Company data

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ETHYLBENZENE	Value	Test criterion	Essay on the species	Duration of exposure	Source
	4,9 mg/l	EC 50	Selenastrum capricornutum (alge cloroficee)	72 h	Company data

ZINC OXIDE	Value	Test criterion	Wise on the species	Duration of exposure	Measuring method	Source
	0,136 mg/l	EC50	Pseudokirchneriella subcapitata	72 h	OECD TG 201	Company data

NOEC (Fish) [mg/l]
Hazardous ingredients

ETHYLBENZENE	Value	Source
	1 mg/l	Company data

12.5. RISULTATI DELLA
VALUTAZIONE PBT E
vPvB

This preparation does not contain substances considered to be persistent, bioaccumulating or toxic (PBT).

12.6. OTHER EFFECTS
ADVERSE

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

13. CONSIDERATIONS ON DISPOSAL

13.1 WASTE TREATMENT
METHODS

Disposal considerations:

According to the European waste catalog, waste codes are not specific to the product, but specific to the placement. The waste codes indicated below are only suggestions:

Waste Code:

20 01 27: paints, inks, adhesives and resins containing 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	1950	1950	1950
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14.2 DESCRIZIONE DELLE MERCI	AEROSOL	AEROSOL	Packs of pressurized, flammable gases
Nome di spedizione dell'ONU		AEROSOL	AEROSOL, FLAMMABLE
14.3 TRANSPORT HAZARD CLASS(ES)	2	2.1	2.1
FACTOR SCADENANTE DI PERICOLO AMBIENTALE	bis (orthophosphate) of trizinc	Trizinc bis (orthophosphate)	Trizinc bis(orthophosphate)
14.5 ENVIRONMENTAL HAZARDS	U - Dangerous for the environment	U - marine pollutant	U - dangerous for the environment
Labels	2.1 	2.1 	2.1 
Category	2		
Factor	3		
Classification Code	5F		
Tunnel restriction code	D		
EMS NO		F-D; S-U	
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 REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE	VOC	73,13%
	Additional regulations:	Furthermore, national laws must be considered!
	Water Hazard Class (Ger.):	2

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<i>Classification in compliance with the Industrial Safety Regulation:</i>	Extremely flammable
MAL-Code	4-3
<i>Water Hazard Class (Ger.):</i>	<p>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 such threats can be remedied by means of appropriate protective measures can work with this product (this substance / this preparation) (art.63 OLL 1; RS 822.111).</p> <p>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 applicable age restrictions 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 work 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.</p>

16. OTHER INFORMATION

Relevant H-phrases

H220: Extremely flammable gas.
H222: Highly flammable aerosol.
H225: Highly flammable liquids and vapors.
H226: Flammable liquids and vapors.
H229: Pressurized container: May burst if heated.
H304: It can be fatal if swallowed and if it enters the respiratory tract.

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H312: Harmful in contact with skin.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic organisms.

H410: Very toxic to aquatic organisms with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Wording of the hazard classes

Flam. Gas: Flammable gas

Flam. Liq.: Flammable liquid

Acute Tox.: Acute toxicity

Skin Irrit.: Skin irritation

Eye Irrit.: Eye irritation

STOT SE: Specific target organ toxicity - single exposure

STOT RE: Specific target organ toxicity - repeated exposure

Asp. Tox.: Danger in case of aspiration

Aquatic Acute: Dangerous for the aquatic environment.

Aquatic Chronic: Dangerous for the aquatic environment

The product is not classified as dangerous under the EC n CLP regulations.

Aerosol: aerosol.

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

Classification	Evaluation
Aerosol 1; H222 H229	Calculated
Skin Irrit. 2; H315	Calculated
Eye Irrit. 2; H319	Calculated
STOT SE 3; H335	Calculated
STOT RE 2; H373	Calculated
Asp. Tox. 1; H304	Calculated
Aquatic Chronic 2; H411	Calculated

Department issuing safety data sheet:

Environmental Department

Recommended restrictions:

Reserved for industrial and professional use.

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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.
