according to Regulation (EC) No. 830/2015

SYNTOPRIMER ZINC

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

1.1 Product identifier

Trade name	:	SYNTOPRIMER ZINC
Product code	:	L0290101

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

Use of the Substance/Mixture	: Paints, varnishes and enamels
Chemical nature	: Mono compound primer (undercoat)

1.3 Details of the supplier of the safety data sheet

Company	: Lechler SpA
	Via Cecilio 17
	22100 Como- CO-
Telephone	: +39031586111
Telefax	: +39031586206
E-mail address	: safety@lechler.eu
Responsible/issuing person	

1.4 Emergency telephone number

Tel. +39-031-586301 - This telephone number is available during office hours only. (8.00-18.00)

This telephone number is available during office hours only.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 Skin irritation, Category 2 Chronic aquatic toxicity, Category 2

H226: Flammable liquid and vapour. H315: Causes skin irritation.

- H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



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Signal word	: Warning		
Hazard statements	: H226 H315 H411	Flammable liquid and vap Causes skin irritation. Toxic to aquatic life with lo	
Precautionary statements	: Prevention: P210	Keep away from heat, ho open flames and other igr smoking.	•
	P273 P280	Avoid release to the envir Wear protective gloves/ e protection.	
	Response: P301 + P310	' IF SWALLOWED: Immed POISON CENTER/doctor	,
	P331 P370 + P378	Do NOT induce vomiting. In case of fire: Use dry sa or alcohol-resistant foam	

Hazardous components which must be listed on the label:

• 64742-95-6 Hydrocarbons, C9, aromatics

2.3 Other hazards

None known. No hazards resulting from the material as supplied. The information required is contained in this Material Safety Data Sheet.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Liquid pigmented dispersion

Hazardous components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.	(REGULATION (EC) No	[%]
	Registration number	1272/2008)	
xylene	1330-20-7	Flam. Liq. 3; H226	>= 17,5 - < 20
	215-535-7	Acute Tox. 4; H332	
	01-2119488216-32	Acute Tox. 4; H312	
		Skin Irrit. 2; H315	
		Note C	
Hydrocarbons, C9,	64742-95-6	Flam. Liq. 3; H226	>= 10 - < 12,5
aromatics	918-668-5	STOT SE 3; H335, H336	
	01-2119455851-35-0006	Aquatic Chronic 2; H411	
		Asp. Tox. 1; H304	

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		EUH066 Note P	
trizinc bis(orthophosphate)	7779-90-0 231-944-3 01-2119485044-40	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 5 - < 10
zinc oxide	1314-13-2 215-222-5 01-2119463881-32	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1
Hexanoic acid, 2-ethyl-, zinc salt, basic	85203-81-2 286-272-3	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Repr. 2; H361d Aquatic Chronic 3; H412	>= 0,1 - < 0,25
Substances with a work	place exposure limit :		
barium sulfate	7727-43-7 231-784-4 01-2119491274-35		>= 17,5 - < 20
Talc (Mg3H2(SiO3)4)	14807-96-6 238-877-9		>= 10 - < 12,5
n-butyl acetate	123-86-4 204-658-1 01-2119485493-29	EUH066 Flam. Liq. 3; H226 STOT SE 3; H336	>= 1 - < 5
aluminium orthophosphate	7784-30-7 232-056-9 01-2119971255-34-0006		>= 1 - < 5

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	When symptoms persist or in all cases of doubt seek mediadvice. Never give anything by mouth to an unconscious person.	ical
If inhaled	 Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in recovery position and seek medica advice. 	al
In case of skin contact	Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recogniz skin cleanser.	ed

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	Do NOT use solvents or thinners. Put shower on working place	
In case of eye contact	 Irrigate copiously with clean, fresh wate minutes, holding the eyelids apart. Seek medical advice. Put eye-washer on working place Remove contact lenses. 	r for at least 10
If swallowed	: If accidentally swallowed obtain immedi Do NOT induce vomiting. Keep at rest.	ate medical attention.
.2 Most important symptoms and ef	fects, both acute and delayed	
Symptoms	: No information available.	
Risks	: No information available.	
.3 Indication of any immediate med	ical attention and special treatment needed	
Treatment	: The first aid procedure should be establ with the doctor responsible for industrial Seek medical advice.	
SECTION 5: Firefighting meas	ures	
5.1 Extinguishing media		
Suitable extinguishing media	: Use water spray, alcohol-resistant foam carbon dioxide. Keep containers and surroundings cool	-
Unsuitable extinguishing media	: Do NOT use water jet.	
5.2 Special hazards arising from the	he substance or mixture	
Specific hazards during firefighting	 As the product contains combustible org will produce dense black smoke contain products of combustion (see section 10 Exposure to decomposition products ma health. Cool closed containers exposed to fire y Collect contaminated fire extinguishing must not be discharged into drains. 	ing hazardous). ay be a hazard to with water spray. water separately. This
	Fire residues and contaminated fire exti be disposed of in accordance with local	
5.3 Advice for firefighters		

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for firefighters

necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	 Solvent vapours are heavier than air and may spread along floors. Ensure adequate ventilation. Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ventilate the area.
	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Environmental precautions	: Try to prevent the material from entering drains or water
	COURSES.
	If the product contaminates rivers and lakes or drains inform
	respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	 Clean with detergents. Avoid solvents. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises water (45 parts by volume)/ethanol or isopropanol (50 parts)/concentrated (d: 0.880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts)/water (95 parts).
	Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly. Dam up. Soak up with inert absorbent material and dispose of as hazardous waste.

6.4 Reference to other sections

Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	Avoid exceeding the given occupational exposure limits (see section 8). Use only in area provided with appropriate exhaust ventilation
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	Avoid contact with skin, eyes and cloth Smoking, eating and drinking should b application area. Avoid inhalation of vapour or mist. For personal protection see section 8. Thoroughly mix before using After using, store in a well-sealed cont	be prohibited in the
Advice on protection against fire and explosion	 Prevent the creation of flammable or ere of vapour in air and avoid vapour conditional exposure limits. When transferring from one container earthing measures and use conductive No sparking tools should be used. The product should only be used in an naked lights and other sources of ignit excluded. No smoking. 	centration higher than to another apply e hose material. eas from which all
7.2 Conditions for safe storage, in	ncluding any incompatibilities	
Requirements for storage areas and containers	 Observe label precautions. Containers which are opened must be kept upright to prevent leakage. Solvent vapours are heavier than air a floors. Vapours may form explosive mixtures Electrical installations / working materi the technological safety standards. Keep away from sources of ignition - N Store between 5° an 35°C in a dry, we from source of heat, ignition and direct Store in accordance with the particular 	and may spread along with air. ials must comply with No smoking. ell ventilated place away t sunlight.
Advice on common storage	: Keep away from oxidizing agents and materials.	strongly acid or alkaline
7.3 Specific end use(s)		
	: This information is not available.	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
xylenes	1330-20-7	TWA	50 ppm	2000-06-16	2000/39/EC
			221 mg/m3		
Further : skin: Identifies the possibility of significant uptake through the skinIndicative					

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		STEL	100 ppm	2000-06-16	2000/39/EC
			442 mg/m3		
Further information	: skin: Ident	fies the pos	sibility of significant u	ptake through the skinli	ndicative
barium sulfate	7727-43-7	TWA	10 mg/m3	2007-01-01	ACGIH
Talc	14807-96-	TWA			ACGIH
(Mg3H2(SiO3)4)	6		2 mg/m3		
n-butyl acetate	123-86-4	TWA	150 ppm 713 mg/m3	2007-01-01	ACGIH
		STEL	200 ppm 950 mg/m3	2007-01-01	ACGIH
aluminium orthophosphat e	7784-30-7	TWA	1 mg/m3	2008-01-01	ACGIH
zinc oxide	1314-13-2	TWA	2 mg/m3	2007-01-01	ACGIH
		STEL	10 mg/m3	2007-01-01	ACGIH

DNEL

trizinc bis(orthophosphate) : End Use: Workers Exposure routes: Inhalation Potential health effects: Local effects Value: 5 mg/m3 End Use: Workers Exposure routes: Skin contact Potential health effects: Local effects Value: 83 ppm End Use: Consumers Exposure routes: Skin contact Potential health effects: Local effects Value: 83 ppm End Use: Consumers Exposure routes: Inhalation Potential health effects: Local effects Value: 2,5 mg/m3 End Use: Consumers Exposure routes: Ingestion Potential health effects: Chronic effects Value: 0,83 ppm End Use: Workers zinc oxide : Exposure routes: Inhalation Potential health effects: Local effects 7 / 17

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	Value: 5 mg/m3	
	End Use: Workers Exposure routes: Skin contact Potential health effects: Local effects Exposure time: 8 h Value: 83 ppm	
	End Use: Consumers Exposure routes: Skin contact Potential health effects: Local effects Exposure time: 8 h Value: 83 ppm	
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Local effects Value: 2,5 mg/m3	
	End Use: Consumers Exposure routes: Ingestion Potential health effects: Chronic effects Exposure time: 8 h Value: 0,83 ppm	
barium sulfate	: End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term system Value: 10 mg/m3	ic effects
	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term system Value: 10 mg/m3	nic effects
	End Use: Consumer use Exposure routes: Inhalation Potential health effects: Long-term system Value: 10 mg/m3	ic effects
	End Use: Consumer use Exposure routes: Ingestion Potential health effects: Long-term system	nic effects
n-butyl acetate	 End Use: Professional use Exposure routes: Skin contact Potential health effects: Local effects Exposure time: 8 h Value: 7 ppm 	
	End Use: Professional use Exposure routes: Inhalation Potential health effects: Local effects 8 / 17	

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	Value: 48 mg/m3	
PNEC trizinc bis(orthophosphate)	: Fresh water Value: 0,206 mg/l	
	Marine water Value: 0,0061 mg/l	
	Fresh water sediment Value: 117,8 mg/kg	
	Marine sediment Value: 56,5 mg/kg	
	Soil Value: 35,6 mg/kg	
zinc oxide	: Fresh water Value: 0,0206 mg/l	
	Marine water Value: 0,0061 mg/l	
	Fresh water sediment Value: 117,8 mg/kg	
	Marine sediment Value: 56,5 mg/kg	
	Soil Value: 35,6 mg/kg	
barium sulfate	: Fresh water Value: 0,115 mg/l	
	Fresh water sediment Value: 600,4 mg/kg	
	Soil Value: 207,7 mg/kg	
n-butyl acetate	: Water Value: 0,18 mg/l	
	Soil Value: 0,093 mg/kg	

8.2 Exposure controls

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Personal protective equipmen	t
Respiratory protection	 Apply technical measures to comply with the occupational exposure limits. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time. Respirator with combination filter for vapour/particulate (EN 141)
Hand protection	 Solvent-resistant gloves (butyl-rubber) For prolonged or repeated contact use protective gloves. Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Skin should be washed after contact. Wash your hands and put on barrier creams
Eye protection	: Chemical resistant goggles must be worn.
Skin and body protection	: Skin should be washed after contact. Working clothes must not consist of textiles, which show a dangerous melting behaviour in case of fire. Personnel should wear protective clothing. Workers should wear antistatic footwear.

Environmental exposure controls

General advice	:	Try to prevent the material from entering drains or water courses.
		If the product contaminates rivers and lakes or drains inform
		respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Odour	:	solvent-like
Flash point	:	> 23 - 55 °C
Ignition temperature	:	not determined

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Lower explosion limit	: No data available
Upper explosion limit	: No data available
Auto-ignition temperature	: Not applicable
рН	: not determined
Freezing point	: Not applicable
Boiling point	: not determined
Vapour pressure	: 1,000 hPa at 50 °C
Density	: 1,4101 g/cm3
Water solubility	: not determined
Partition coefficient: n- octanol/water	: No data available
Solubility in other solvents	: not determined
Flow time	: 20 s 8 mm Method: DIN 53211
Relative vapour density	: Not applicable
Evaporation rate	: not determined
9.2 Other information	
Solids by weight	: 64,54 %
Volatile organic compounds (VOC) content	: 35,46 %

SECTION 10: Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

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Conditions to avoid	 Our products were manufactured in constandards to avoid decomposition and defined conditions. Taking the product type into account, in the product in its original packaging the it. 	degrading under the tis advisable to leave
10.5 Incompatible materials		
Materials to avoid	: Keep away from oxidizing agents, stro strongly acid materials in order to avoi	
10.6 Hazardous decomposition p	products	
Hazardous decomposition products	: Carbon dioxide (CO2), carbon monoxi nitrogen (NOx), dense black smoke.	de (CO), oxides of
Thermal decomposition	: Not applicable	

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Tioduct	
Acute inhalation toxicity	: Acute toxicity estimate: > 20 mg/l, 4 h, vapour, Calculation method
Acute dermal toxicity	: Acute toxicity estimate: > 2.000 mg/kg, Calculation method
Skin corrosion/irritation	: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin., The product may be absorbed through the skin.
Further information	: The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.
Components: xylene : Acute dermal toxicity	: Acute toxicity estimate: 1.100 mg/kg, Converted acute toxicity point estimate
zinc oxide : Acute oral toxicity	: LD50: 7.950 mg/kg, Mouse
Acute inhalation toxicity	: LC50: > 5.700 mg/l, 4 h, Rat,
Acute dermal toxicity	: LD50: > 2.000 mg/kg, Rat
barium sulfate :	

Acute oral toxicity

: Acute toxicity estimate: 500 mg/kg, Converted acute toxicity 12 / 17

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point estimate

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish	:	Remarks: No data is available on the product itself.
zinc oxide	:	1
12.2 Persistence and degradability		
Biodegradability	:	No data available
12.3 Bioaccumulative potential		
Bioaccumulation	:	No data available

12.4 Mobility in soil

Mobility : No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Additional ecological	: The product contains dangerous substances for the
information	environment (see chapter no 3).
	The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: The product should not be allowed to enter drains, water
	courses or the soil.
	Disposal together with normal waste is not allowed. Special
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	disposal required according to local regulation	ons.
Contaminated packaging	: Empty containers should be taken to an app handling site for recycling or disposal. According to the European Waste Catalogue are not product specific, but application spec The Waste code should be assigned in discu the user, the producer and the waste dispose The following Waste Codes are only suggest	e, Waste Codes cific. ussion between al company.

SECTION 14: Transport information

14.1 UN number

ADR	:	UN 1263
IMDG	:	UN 1263
ΙΑΤΑ	:	UN 1263

14.2 Proper shipping name

ADR	PAINT
IMDG	PAINT
IATA	Paint

14.3 Transport hazard class(es)

ADR	:	3
IMDG	:	3
ΙΑΤΑ	:	3

14.4 Packing group

ADR

Packing group	:	III
Classification Code	:	F1
Hazard Identification Number	:	30
Labels	:	3

IMDG

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Packing group	: III	
Labels	: 3	
EmS Code	: F-E,S-E	
IATA		
Packing group	: III	
Labels	: 3	
14.5 Environmental hazards		
ADR		
Environmentally hazardous	: yes	
IMDG		
Marine pollutant	: yes	
IATA		
Environmentally hazardous	: no	
14.6 Special precautions for user		
Not applicable		
14.7 Transport in bulk according Not applicable for product as s	to Annex II of MARPOL 73/78 and the IBC oupplied.	Code
SECTION 15: Regulatory inf	ormation	
15.1 Safety, health and environme	ental regulations/legislation specific for the s	ubstance or mixture
REACH - Candidate List of Substances of Very High	: Not applicable	

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain	: Banned and/or restricted

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dangerous substances, preparations and articles (Annex XVII)

64742-95-6	Hydrocarbons, C9, aromatics
123-86-4	n-butyl acetate
	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

MAL-Code-Number	:	5-6 (1993)
		8.174-m3 air/10 g

Risk classification according to VbF	:	Exempt see user defined free text
Water contaminating class (Germany)	:	highly water endangering VWVWS A4

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

15.2 Chemical safety assessment

No data is available on the product itself.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

Repeated exposure may cause skin dryness or cracking.
Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Harmful in contact with skin.
Causes skin irritation.
Causes serious eye irritation.
Harmful if inhaled.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Suspected of damaging the unborn child.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may

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not be valid for such material used in combination with any other materials or in any process, unless specified in the text.