according to Regulation (EC) No. 830/2015

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

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

1.1 Product identifier

Trade name : ACRIPUR PRIMER

Product code : L0290109

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

Use of the : Paints, varnishes and enamels

Substance/Mixture

Chemical nature : Dual compound primer (undercoat)

1.3 Details of the supplier of the safety data sheet

Company : Lechler SpA

Via Cecilio 17

22100 Como- CO-

: +39031586111 Telephone 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 H226: Flammable liquid and vapour.

Skin irritation, Category 2 H315: Causes skin irritation.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

Chronic aquatic toxicity, Category 2 H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms





ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention**:

P210 Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No

smoking.

P261 Avoid breathing dust/ fume/ gas/ mist/

vapours/ spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face

protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing.

Rinse skin with water/shower.

P370 + P378 In case of fire: Use dry sand, dry chemical

or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

• 25068-38-6 Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average

molecular weight 700 - 1100)

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) | |
| Reaction product: | 25068-38-6 | Skin Irrit. 2; H315 | >= 5 - < 10 |
| bisphenol-A- | | Eye Irrit. 2; H319 | |
| (epichlorhydrin) epoxy | | Skin Sens. 1; H317 | |
| resin (number average | | | |

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

| 7779-90-0 231-944-3 01-2119485044-40 | Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | >= 5 - < 10 |
|---|---|--|
| 1330-20-7 215-535-7 01-2119488216-32 | Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Note C | >= 5 - < 10 |
| 1314-13-2 215-222-5 01-2119463881-32 | Aquatic Acute 1; H400 Aquatic Chronic 1; H410 (Acute M=1) (Chronic M=1) | >= 0,25 - < 1 |
| place exposure limit : | | |
| 7727-43-7 231-784-4 01-2119491274-35 | | >= 30 - < 50 |
| 108-65-6 203-603-9 01-2119475791-29 | Flam. Liq. 3; H226 | >= 17,5 - < 20 |
| 14807-96-6 238-877-9 | | >= 1 - < 5 |
| 7784-30-7 232-056-9 01-2119971255-34-0006 | | >= 1 - < 5 |
| | 231-944-3 01-2119485044-40 1330-20-7 215-535-7 01-2119488216-32 1314-13-2 215-222-5 01-2119463881-32 Eplace exposure limit: 7727-43-7 231-784-4 01-2119491274-35 108-65-6 203-603-9 01-2119475791-29 14807-96-6 238-877-9 7784-30-7 232-056-9 | 231-944-3 01-2119485044-40 1330-20-7 215-535-7 01-2119488216-32 1314-13-2 215-222-5 01-2119463881-32 Aquatic Chronic 1; H410 Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Note C Aquatic Acute 1; H400 Aquatic Chronic 1; H410 (Acute M=1) (Chronic M=1) Aquatic Acute 3; H312 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Aquatic Chronic 1; H410 Flam. Liq. 3; H226 108-65-6 203-603-9 01-2119475791-29 14807-96-6 238-877-9 7784-30-7 232-056-9 |

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 medical

advice

Never give anything by mouth to an unconscious person.

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 medical

advice.

In case of skin contact : Take off all contaminated clothing immediately.

Wash skin thoroughly with soap and water or use recognized

skin cleanser.

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

Do NOT use solvents or thinners. Put shower on working place

In case of eye contact : Irrigate copiously with clean, fresh water for at least 10

minutes, holding the eyelids apart.

Seek medical advice.

Put eye-washer on working place

Remove contact lenses.

If swallowed : If accidentally swallowed obtain immediate medical attention.

Do NOT induce vomiting.

Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : The first aid procedure should be established in consultation

with the doctor responsible for industrial medicine.

Seek medical advice.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

Keep containers and surroundings cool with water spray.

Unsuitable extinguishing

media

: Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

: As the product contains combustible organic components, fire

will produce dense black smoke containing hazardous

products of combustion (see section 10).

Exposure to decomposition products may be a hazard to

health.

Cool closed containers exposed to fire with water spray. Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

5.3 Advice for firefighters

Special protective equipment : Wear self-contained breathing apparatus for firefighting if

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

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.

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.

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

Avoid contact with skin, eyes and clothing.

Smoking, eating and drinking should be prohibited in the

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 container

Advice on protection against fire and explosion

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than

the occupational exposure limits.

When transferring from one container to another apply earthing measures and use conductive hose material.

No sparking tools should be used.

The product should only be used in areas from which all naked lights and other sources of ignition have been

excluded. No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Observe label precautions.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

Solvent vapours are heavier than air and may spread along

floors.

Vapours may form explosive mixtures with air.

Electrical installations / working materials must comply with

the technological safety standards.

Keep away from sources of ignition - No smoking.

Store between 5° an 35°C in a dry, well ventilated place away

from source of heat, ignition and direct sunlight.

Store in accordance with the particular national regulations.

Advice on common storage

Keep away from oxidizing agents and strongly acid or alkaline

materials.

German storage class : 3 Flammable liquids

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 |
|----------------|-----------|-------|--------------------|------------|-------|
| barium sulfate | 7727-43-7 | TWA | | 2007-01-01 | ACGIH |

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

| İ | | | ı | 1.0 / 0 | 1 | 1 |
|---------------------------------|---|--------------|---------------|----------------------------|--------------------------|------------|
| | | | | 10 mg/m3 | | |
| 2-methoxy-1- | 10 | 08-65-6 | STEL | 100 ppm | 2000-06-16 | 2000/39/EC |
| methylethyl | | | | 550 mg/m3 | | |
| acetate | | | | | | |
| Further information | : | skin: Identi | fies the poss | sibility of significant up | otake through the skinIr | ndicative |
| | | | TWA | 50 ppm 275 mg/m3 | 2000-06-16 | 2000/39/EC |
| Further information | : | skin: Identi | fies the poss | sibility of significant up | otake through the skinIr | ndicative |
| xylenes | 1. | 330-20-7 | TWA | 50 ppm 221 mg/m3 | 2000-06-16 | 2000/39/EC |
| Further information | : skin: Identifies the possibility of significant uptake through the skinIndicative | | | ndicative | | |
| | | | STEL | 100 ppm 442 mg/m3 | 2000-06-16 | 2000/39/EC |
| Further information | : | skin: Identi | fies the poss | | otake through the skinlr | ndicative |
| Talc | 14 | 4807-96- | TWA | | | ACGIH |
| (Mg3H2(SiO3)4) | 6 | | | 2 mg/m3 | | |
| aluminium orthophosphat e | 7' | 784-30-7 | TWA | 1 mg/m3 | 2008-01-01 | ACGIH |
| zinc oxide | 1. | 314-13-2 | 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

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

Exposure routes: Ingestion

Potential health effects: Chronic effects

Value: 0,83 ppm

zinc oxide : 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

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 systemic effects

Value: 10 mg/m3

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 10 mg/m3

End Use: Consumer use Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 10 mg/m3

End Use: Consumer use Exposure routes: Ingestion

Potential health effects: Long-term systemic effects

Value: 13000 mg/kg

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

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

8.2 Exposure controls

Personal protective equipment

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

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

141)

Hand protection : Solvent-resistant gloves (butyl-rubber) recomended.

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.

Personnel should wear protective clothing. Flame retardant antistatic 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

Lower explosion limit : No data available

Upper explosion limit : No data available

Auto-ignition temperature : Not applicable

pH : not determined

according to Regulation (EC) No. 830/2015

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

Freezing point : Not applicable

Boiling point : not determined

: 1,000 hPa Vapour pressure

at 50 °C

Density : 1,6954 g/cm3

Water solubility : not determined

Partition coefficient: n-

octanol/water

: No data available

Solubility in other solvents : not determined

Flow time : 65 s

6 mm

Method: ISO/DIN 2431 '84

Relative vapour density : Not applicable

: not determined Evaporation rate

9.2 Other information

Solids by weight : 74,17 %

Volatile organic compounds : 25,83 %

(VOC) content

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

Conditions to avoid : Our products were manufactured in compliance with safety

standards to avoid decomposition and degrading under the

defined conditions.

Taking the product type into account, it is advisable to leave the product in its original packaging thus avoiding transferring

it.

according to Regulation (EC) No. 830/2015

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and

strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

Hazardous decomposition

products

: Carbon dioxide (CO2), carbon monoxide (CO), oxides of

nitrogen (NOx), dense black smoke.

Thermal decomposition : Not applicable

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product

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 point estimate

according to Regulation (EC) No. 830/2015

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

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

information

: The product contains dangerous substances for the

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

disposal required according to local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste

handling site for recycling or disposal.

According to the European Waste Catalogue, Waste Codes

are not product specific, but application specific.

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. The following Waste Codes are only suggestions:150110*

according to Regulation (EC) No. 830/2015

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

SECTION 14: Transport information

14.1 UN number

ADR : UN 1263

IMDG : UN 1263

IATA : UN 1263

14.2 Proper shipping name

ADR PAINT

IMDG PAINT

IATA Paint

14.3 Transport hazard class(es)

ADR : 3

IMDG : 3

IATA : 3

14.4 Packing group

ADR

Packing group : III

Classification Code : F1

Hazard Identification Number : 30

Labels : 3

IMDG

Packing group : III Labels : 3

EmS Code : F - E,S - E

IATA

Packing group : III Labels : 3

14.5 Environmental hazards

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

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 to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

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 dangerous substances, preparations and articles

: Banned and/or restricted

(Annex XVII)

| 108-65-6 | 2-methoxy-1-methylethyl acetate |
|------------|---|
| | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) |
| | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics |
| 70657-70-4 | 2-methoxypropyl acetate |
| 1589-47-5 | 2-methoxypropanol |

MAL-Code-Number : 5-6 (1993)

5.794-m3 air/10 g

ACRIPUR PRIMER

Version 2.26 Revision Date 21.12.2018 Print Date 31.03.2020

PR-Number (DK) : 4032094

German storage class

(TRGS 510)

: 3: Flammable liquids

Risk classification according : Exempt

to VbF

see user defined free text

Water contaminating class

(Germany)

: 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.

| H226 | Flammable liquid and vapour. |
|------|---|
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic 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 not be valid for such material used in combination with any other materials or in any process, unless specified in the text.