

# Safety Data Sheet

## DOLPHON POLYESTER RESIN XL-2102

Safety Data Sheet dated 4/10/2016, version 3



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

#### 1.1. Product identifier

Mixture identification:

Trade name: DOLPHON POLYESTER RESIN XL-2102  
Trade code: 351419

1.2. Relevant identified uses of the substance or mixture and uses advised against: electroinsulating resin for industrial use only

1.3. Details of the supplier of the safety data sheet

Company:

ALBESIANO SISA Vernici S.r.l. - Società con unico socio  
Via Rigolfo 73 - 10028 - Trofarello (TO) - Italia  
Tel: +39/0116493111  
Fax: +39/0116493112

Competent person responsible for the safety data sheet:

Giovanni Rocco - info.albesiano@vonroll.com

1.4. Emergency telephone number:

Tel: +390116493111 (h. 8/12 ÷ 13/17 italian time)  
Fax: +390116493112

"National Poisons Information Service (Birmingham Unit)

City Hospital  
Dudley Rd - Birmingham


Tel: 844 892 0111

mail@npis.org"


### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Warning, Skin Irrit. 2, Causes skin irritation.

 Danger, Eye Dam. 1, Causes serious eye damage.

 Warning, Skin Sens. 1, 1A, 1B, May cause an allergic skin reaction.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



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**ALBESIANO SISA vernici S.r.l.** - Società con unico socio  
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Tel: +39/0116493111 – Fax: +39/0116493112 – E-mail: info.albesiano@vonroll.com  
Licenziataria per la produzione delle vernici e resine elettroisolanti DOLPH'S

  
EST. 1910

# Safety Data Sheet

## DOLPHON POLYESTER RESIN XL-2102

### Danger

#### Hazard statements:

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.

#### Precautionary statements:

- P264 Wash ... Thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with applicable regulations.

#### Special Provisions:

None

#### Contents

- Triethylene glycol dimethacrylate
- Dipropylene glycol diacrylate

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

Restricted to professional users.

#### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

#### Other Hazards:

No other hazards

## SECTION 3: Composition/information on ingredients

### 3.1. Substances


N.A.

### 3.2. Mixtures

Hazardous components within the meaning of CLP regulation and related classification:

>= 25% - < 30% Dipropylene glycol diacrylate

REACH No.: 01-2119484629-21, Index number: 601-017-00-1, CAS: 57472-68-1, EC: 260-754-3


 3.2/2 Skin Irrit. 2 H315

 3.3/1 Eye Dam. 1 H318

 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317


>= 12.5% - < 15% Triethylene glycol dimethacrylate

REACH No.: 01-2119969287-21, CAS: 109-16-0, EC: 203-652-6

 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317


>= 0.5% - < 1% bis(alpha,alpha-dimethylbenzyl) peroxide

REACH No.: 01-2119541688-27, Index number: 617-006-00-X, CAS: 80-43-3, EC: 201-279-3

 2.15/F Org. Perox. F H242

 3.3/2 Eye Irrit. 2 H319

 3.2/2 Skin Irrit. 2 H315

 4.1/C2 Aquatic Chronic 2 H411

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## DOLPHON POLYESTER RESIN XL-2102

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

#### 4.2. Most important symptoms and effects, both acute and delayed

None

#### 4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

#### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

#### 6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

#### 6.4. Reference to other sections

See also section 8 and 13

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#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

##### 7.2. Conditions for safe storage, including any incompatibilities

Always keep the containers tightly closed.

Keep away from food, drink and feed.

Incompatible materials:

Instructions as regards storage premises:

Cool and adequately ventilated.

##### 7.3. Specific end use(s)

None in particular

#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters

None

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

##### 8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

#### SECTION 9: Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

Appearance and colour: Clear liquid straw

Odour: Characteristic

Odour threshold: N.A.

Initial boiling point and boiling range: N.A.

Solid/gas flammability: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Flash point: > 130 °C

Evaporation rate: N.A.

Vapour pressure: 0.0026 KPa a 20°C bar

Relative density: >= 1100 <= 1200 g/l

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Solubility in water: N.A.  
Solubility in oil: N.A.  
Partition coefficient (n-octanol/water): N.A.  
Auto-ignition temperature: N.A.  
Decomposition temperature: N.A.  
Viscosity: N.A.  
Oxidizing properties: N.A.

#### 9.2. Other information

Miscibility: N.A.  
Fat Solubility: N.A.  
Conductivity: N.A.  
Substance Groups relevant properties N.A.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions

#### 10.2. Chemical stability

Stable under normal conditions

#### 10.3. Possibility of hazardous reactions

It may generate toxic gases on contact with powerful oxidising agents, and powerful reducing agents.  
It may catch fire on contact with powerful oxidising agents.

#### 10.4. Conditions to avoid

Stable under normal conditions.

#### 10.5. Incompatible materials

None in particular.

#### 10.6. Hazardous decomposition products

None.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

Dipropylene glycol diacrylate - CAS: 57472-68-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 3.530 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2.000 mg/kg

Triethylene glycol dimethacrylate - CAS: 109-16-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5.000 mg/kg

Test: LD50 - Route: Skin - Species: Mouse > 2.000 mg/kg

bis(alpha,alpha-dimethylbenzyl) peroxide - CAS: 80-43-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2.000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 0.1 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rat > 2.000 mg/kg

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;

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- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

#### SECTION 12: Ecological information

##### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Dipropylene glycol diacrylate - CAS: 57472-68-1

##### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 1-10 mg/l - Duration h: 96 - Notes: Brachydanio rerio

Endpoint: EC50 - Species: Daphnia 10-100 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: water plants 10-100 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

Triethylene glycol dimethacrylate - CAS: 109-16-0

##### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 16.4 mg/l - Duration h: 96 - Notes: Danio rerio

Endpoint: NOEC - Species: Daphnia 32 mg/l - Duration h: 21 - Notes: Daphnia magna

Endpoint: EC50 - Species: water plants > 100 mg/l - Duration h: 72 - Notes: days -

Pseudokirchneriella subcapitata

bis(alpha,alpha-dimethylbenzyl) peroxide - CAS: 80-43-3

##### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 108.45 mg/l - Duration h: 96 - Notes: poecilia reticulata

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: daphnia magna

##### 12.2. Persistence and degradability

None

N.A.

##### 12.3. Bioaccumulative potential

N.A.

##### 12.4. Mobility in soil

N.A.

##### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

##### 12.6. Other adverse effects

None

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

#### SECTION 14: Transport information

##### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

##### 14.2. UN proper shipping name

N.A.

##### 14.3. Transport hazard class(es)

ADR-Class: Not hazardous

IATA-Class: Not hazardous

IMDG-Class: Not hazardous

##### 14.4. Packing group

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N.A.

14.5. Environmental hazards

N.A.

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

#### SECTION 15: Regulatory information

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 453/2010 (Annex II)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 28

Restriction 29

Restriction 30

Restriction 48

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Provisions related to directive 2012/18/EU (Seveso III):

N.A.

15.2. Chemical safety assessment

No

#### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H242 Heating may cause a fire.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

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### DOLPHON POLYESTER RESIN XL-2102

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.