

# Safety Data Sheet

## DOLPHON POLYESTER RESIN CC-1105/LV

Safety Data Sheet dated 14/05/2015, version 2



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

#### 1.1. Product identifier

Mixture identification:

Trade name: DOLPHON POLYESTER RESIN CC-1105/LV

Trade code: 351406

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

⚠ Warning, Acute Tox. 4, Harmful if inhaled.

⚠ Warning, Acute Tox. 4, Harmful if swallowed.

☠ Warning, Muta. 2, Suspected of causing genetic defects.

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

☠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure if swallowed.

🐠 Warning, Aquatic Acute 1, Very toxic to aquatic life.

🐠 Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Symbols:



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#### Warning

##### Hazard statements:

H302+H332 Harmful if swallowed or if inhaled.

H341 Suspected of causing genetic defects.

H317 May cause an allergic skin reaction.

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

H410 Very toxic to aquatic life with long lasting effects.

##### Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

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

P281 Use personal protective equipment as required.

P308+P313 IF exposed or concerned: Get medical advice/attention.

##### Special Provisions:

None

##### Contents

Maleic-acid i n-butylester

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

None

#### 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 EEC directive 67/548 and CLP regulation and related classification:

$\geq 30\%$  -  $< 40\%$  diallyl phthalate

REACH No.: 01-2119832891-34, Index number: 607-086-00-4, CAS: 131-17-9, EC: 205-016-3

! 3.1/4/Oral Acute Tox. 4 H302

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

! 3.1/4/Inhal Acute Tox. 4 H332

! 3.5/2 Muta. 2 H341

! 3.9/2 STOT RE 2 H373

! 4.1/A1 Aquatic Acute 1 H400

! 4.1/C1 Aquatic Chronic 1 H410

$\geq 10\%$  -  $< 12.5\%$  Maleic-acid i n-butylester

REACH No.: 01-2119523581-45, CAS: 105-76-0, EC: 203-328-4

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

! 3.9/2 STOT RE 2 H373

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>= 1% - < 3% 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

#### 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:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Give nothing to eat or drink.

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.

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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

## 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

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#### SECTION 9: Physical and chemical properties

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

Appearance and colour:	Homogeneous liquid slightly 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:	> 165 °C	
Evaporation rate:	N.A.	
Vapour pressure:	N.A.	
Relative density:	>= 1130	<= 1230 g/l
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.

VOC: 0 %

#### 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:

diallyl phthalate - CAS: 131-17-9

LD50 Rat, oral: 656-896 mg / kg

Mouse LD50, oral: 681-1690 mg / kg

Rabbit LD50, oral: 1700 mg / kg

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Dog LD50, oral: 800 mg / kg  
LD50 Rat, inhalation: 5200 mg / m<sup>3</sup> / 1h  
LC50 Rat, Inhalation: 1.3 mg / l / 4h  
LD50 Rabbit, dermal: 3300 mg / kg

Acute toxicity (oral): Acute Tox. 4; H302 = Harmful if swallowed.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalation): Acute Tox. 4; H332 = Harmful if inhaled.  
Corrosion / irritation: Lack of data.  
Damage / eye irritation: Lack of data.  
Sensitization vierespiratorie: Lack of data.  
Skin sensitization: Skin Sens. 1; H317 = May cause an allergic reaction skin.  
Germ cell mutagenicity / Genotoxicity: Muta. 2; H341 = Suspected of causing genetic defects.  
Carcinogenicity: Based on available data, the classification criteria are not satisfied  
Rat, oral: NOAEL: 150 mg / kg / d  
NOAEL P: 50 mg / kg bw / d  
NOAEL F1:> 150 mg / kg bw / d  
NOAEL: 250 mg / kg bw / d  
Effects on or through breast milk: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): STOT RE 2; H373 = May cause damage to organs in the event of prolonged or repeated exposure.  
Aspiration hazard: Lack of data

Maleic-acid i n-butylester - CAS: 105-76-0

LD50 oral rat: 3730 mg/kg  
LC50 inhalation rat: >5 mg/l/4h  
LD50 skin rabbit: 10000 mg/kg

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

LD50 (RAT) ORAL: 4100 MG/KG  
LC50 inhalation rat/rabbit>90mg/l/6hr  
LD50 skin rabbit:3817mg/Kg

SADT: >80°C

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;
- 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.

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Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
N.A.

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. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

#### SECTION 14: Transport information

14.1 UN number:

UN number: 3082

14.2 UN proper shipping name:

Environmentally Hazardous Substance, Liquid, N.o.s., (Blend of diallyl phthalate)

14.3 Transport hazard class(es):

Road (ADR):

9

Air (ICAO/IATA):

9

Sea (IMO):

IMCO CLASS 9 - UN 3082

EmS: F-A, S-F

14.4 Packing Group:

III

14.5 Environmental hazards

Marine pollutant:

Yes (diallyl phthalate)

14.6 Special Precautions for User

ADR-Tunnel Restriction Code: (E)

14.7 Transport in bulk according to Annex II of MARPOL 73/78 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)

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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:

No restriction.

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):

E1

15.2. Chemical safety assessment

No

#### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H341 Suspected of causing genetic defects.

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

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H242 Heating may cause a fire.

H319 Causes serious eye irritation.

H315 Causes skin 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:

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.

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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.

Modified sections with respect to the previous version: 2, 3, 11, 16