

SOLUMASTIK

REV. 02 - 02/2022
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Section 1

Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

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Other means of identification:

Non-applicable.

UFI:

D300-E007-X00W-GYPH

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

Relevant uses:

Adhesive for marble and artificial stone. For professional users/industrial user only.

Uses advised against:

All uses not specified in this section or in section 7.3.

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer:

Tecnología de Polímeros QMC, S.L.U.
C/Ausias March, Parcela 13 A
Pol. Ind. La Pobla - La Eliana
46185 La Pobla de Vallbona (Valencia) - Spain
Phone: +34 962 725 676 - Fax: +34 962 740 906
E-mail: info@qmc.es
Website: www.qmc.es

Supplier:

Cosentino Global S.L.U.,
Ctra. A334, Baza-Huércal Overa, km 59
04850 Cantoria (Almería) - Spain
Phone: +34 950 444 175
E-mail: info@cosentino.com
Website: www.cosentino.com

1.4 Emergency telephone number

ChemTel Inc. (24/7/365, multilingual):

Worldwide: +1-813-248-0585
United States: 1-800-255-3924 (free toll)
Australia: 1-300-954-583
China: 400-120-0751
India: 000-800-100-4086
Mexico: 01-800-099-0731
Brazil: 0-800-591-6042

For information on emergency phone numbers of EU national authorities you may check:

https://echa.europa.eu/documents/10162/2322249/emergency_phone_numbers_en.pdf/d911af43-4bcf-9371-a59d-a20736d91e7d?t=1628515444598



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Section 2 Hazards identification

2.1 Classification of the substance or mixture CLP Regulation (EC) No 1272/2008

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, **H319**
Flam. Liq. 3: Flammable liquids, Category 3, **H226**
Repr. 2: Reproductive toxicity, Category 2, **H361d**
Skin Irrit. 2: Skin irritation, Category 2, **H315**
Skin Sens. 1A: Sensitisation, skin, Category 1A, **H317**
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1, **H372**

2.2 Label elements

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 2: H361d - Suspected of damaging the unborn child.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

P201: Obtain special instructions before use.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Substances that contribute to the classification:

STYRENE: MALEIC ANHYDRIDE.

2.3 Other hazards

Product fails to meet PBT/vPvB criteria.

Endocrine-disrupting properties: The product fails to meet the criteria.

Section 3 Composition/information on ingredients

3.1 Substance

Non-applicable.




3.2 Mixture

Chemical description:

Mixture composed of additives, pigments and resins.

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

IDENTIFICATION	CHEMICAL NAME/CLASSIFICATION	CONCENTRATION
CAS: 100-42-5 EC: 202-851-5 Index: 601-026-00-0 REACH: 01-2119457861-32-XXXX	STYRENE⁽¹⁾ Regulation 1272/2008 Acute Tox. 4: H332; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 1: H372 - Danger	ATP ATP06  10 % - < 18 %
CAS: 67-56-1 EC: 200-659-6 Index: 603-001-00-X REACH: 01-2119433307-44-XXXX	METHANOL⁽¹⁾ Regulation 1272/2008 Acute Tox. 3: H301+H311+H331; Flam. Liq. 2: H225; STOT SE 1: H370 - Danger	ATP CLP00  0.1 % - < 1 %
CAS: 108-31-6 EC: 203-571-6 Index: 607-096-00-9 REACH: 01-2119472428-31-XXXX	MALEIC ANHYDRIDE⁽¹⁾ Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Corr. 1B: H314; Skin Sens. 1A: H317; STOT RE 1: H372; EUH071 - Danger	ATP ATP13  < 0.1 %

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

IDENTIFICATION	SPECIFIC CONCENTRATION LIMIT
METHANOL CAS: 67-56-1 EC: 200-659-6	% (p/p) >= 10: STOT SE 1 - H370 3 < % (p/p) < 10: STOT SE 2 - H371
MALEIC ANHYDRIDE CAS: 108-31-6 EC: 203-571-6	% (p/p) >= 0.001: Skin Sens. 1A - H317

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Section 4 First aid measures

4.1 Description of first measures

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

Non-applicable.

Section 5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit, ...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

Section 6

Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

See section 8.

6.2 Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and material for containment and cleaning up

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbers. For any concern related to disposal consult section 13.

6.4 Reference to other sections

See sections 8 and 13.

Section 7 Handling and storage

7.1 Precautions for safe handling

Precautions for safe manipulation:

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

Technical recommendations for the prevention of fires and explosions:

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks, ...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

Technical recommendations to prevent ergonomic and toxicological risks:

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

Technical recommendations to prevent environmental risks:

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3).

7.2 Conditions for safe storage, including any incompatibilities

Technical measures for storage:

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

General conditions for storage:

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

7.3 Specific end use(s)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

Section 8 Exposure controls/personal protection

8.1 Control parameters

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

IDENTIFICATION		OCCUPATIONAL EXPOSURE LIMITS		
METHANOL		IOELV (8h)	200 ppm	260 mg/m ³
CAS: 67-56-1	EC: 200-659-6	IOELV (STEL)	-	-

DNEL (Workers):

IDENTIFICATION		SHORT EXPOSURE		LONG EXPOSURE	
		SYSTEMIC	LOCAL	SYSTEMIC	LOCAL
STYRENE	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 100-42-5	Dermal	Non-applicable	Non-applicable	406 mg/kg	Non-applicable
EC: 202-851-5	Inhalation	289 mg/m ³	306 mg/m ³	85 mg/m ³	Non-applicable
METHANOL	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 67-56-1	Dermal	20 mg/kg	Non-applicable	20 mg/kg	Non-applicable
EC: 200-659-6	Inhalation	130 mg/m ³	130 mg/m ³	130 mg/m ³	130 mg/m ³
MALEIC ANHYDRIDE	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-31-6	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 203-571-6	Inhalation	0.2 mg/m ³	0.2 mg/m ³	0.081 mg/m ³	0.081 mg/m ³

DNEL (General population):

IDENTIFICATION		SHORT EXPOSURE		LONG EXPOSURE	
		SYSTEMIC	LOCAL	SYSTEMIC	LOCAL
STYRENE	Oral	Non-applicable	Non-applicable	2.1 mg/kg	Non-applicable
CAS: 100-42-5	Dermal	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
EC: 202-851-5	Inhalation	174.25 mg/m ³	182.75 mg/m ³	10.2 mg/m ³	Non-applicable
METHANOL	Oral	4 mg/kg	Non-applicable	4 mg/kg	Non-applicable
CAS: 67-56-1	Dermal	4 mg/kg	Non-applicable	4 mg/kg	Non-applicable
EC: 200-659-6	Inhalation	26 mg/m ³	26 mg/m ³	26 mg/m ³	26 mg/m ³

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IDENTIFICATION

STYRENE	STP	5 mg/L	Fresh water	0.028 mg/L
CAS: 100-42-5	Soil	0.2 mg/kg	Marine water	0.014 mg/L
EC: 202-851-5	Intermittent	0.04 mg/L	Sediment (Fresh water)	0.614 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.307 mg/kg
METHANOL	STP	100 mg/L	Fresh water	20.8 mg/L
CAS: 67-56-1	Soil	100 mg/kg	Marine water	2.08 mg/L
EC: 200-659-6	Intermittent	1540 mg/L	Sediment (Fresh water)	77 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	7.7 mg/kg
MALEIC ANHYDRIDE	STP	44.6 mg/L	Fresh water	0.038 mg/L
CAS: 108-31-6	Soil	0.037 mg/kg	Marine water	0.004 mg/L
EC: 203-571-6	Intermittent	0.379 mg/L	Sediment (Fresh water)	0.296 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.03 mg/kg

8.2 Exposure controls

Individual protection measures, such as personal protective equipment:

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have CE marking in accordance with Directive 2016/425/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection, ...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

Respiratory protection:

PICTOGRAM	PPE	LABELLING	CEN STANDARD	REMARKS
 Mandatory respiratory tract protection	Filter mask for gases and vapours		EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

Specific protection for the hands:



PICTOGRAM	PPE	LABELLING	CEN STANDARD	REMARKS
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)		EN 420:2004+A1:2010	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.





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Ocular and facial protection:

PICTOGRAM	PPE	LABELLING	CEN STANDARD	REMARKS
 Mandatory face protection	Face shield		EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

Body protection:

PICTOGRAM	PPE	LABELLING	CEN STANDARD	REMARKS
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties		EN 1149-1, 2, 3 EN 13034:2005+A1:2009 EN ISO 13982-A:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties		EN ISO 13287:2013 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

Additional emergency measures:

EMERGENCY MEASURE	STANDARDS	EMERGENCY MEASURE	STANDARDS
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011 ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011 ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D.

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Section 9

Physical and chemical properties

9.1 Information on basic physical and chemical properties

For complete information, see the product data sheet.

Appearance:

Physical state at 20 °C: Liquid

Appearance: Viscous

Colour: According to the markings on the package

Odour: Characteristic

Odour threshold: Non-applicable *

Volatility:

Boiling point at atmospheric pressure: 140 °C

Vapour pressure at 20 °C: 1825 Pa

Vapour pressure at 50 °C: 8411.61 Pa (8.41 kPa)

Evaporation rate at 20 °C: Non-applicable *

Product description:

Density at 20 °C: Non-applicable *

Relative density at 20 °C: 1.4 - 1.6

Dynamic viscosity at 20 °C: 22000 - 28000 cP

Kinematic viscosity at 20 °C: Non-applicable *

Kinematic viscosity at 40 °C: > 20.5 mm²/s

Concentration: Non-applicable *

pH: Non-applicable *

Vapour density at 20 °C: Non-applicable *

Partition coefficient n-octanol/

water 20 °C: Non-applicable *

Solubility in water at 20 °C: Non-applicable *

Solubility properties: Non-applicable *

Decomposition temperature: Non-applicable *

Melting point/freezing point: Non-applicable *

Flammability:

Flash Point: 30 °C

Flammability (solid, gas): Non-applicable *

Autoignition temperature: 464 °C

Lower flammability limit: Not available

Upper flammability limit: Not available

Particle characteristics:

Median equivalent diameter: Non-applicable

9.2 Other information

Information with regard to physical hazard classes:

Explosive properties: Non-applicable *

Oxidising properties: Non-applicable *

Corrosive to metals: Non-applicable *

Heat of combustion: Non-applicable *

Aerosols-total percentage (by mass) of flammable components: Non-applicable *

Other safety characteristics:

Surface tension at 20 °C: Non-applicable *

Refraction index: Non-applicable *

** Not relevant due to the nature of the product, not providing information property of its hazards*

Section 10 Stability and reactivity

10.1 Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid

Applicable for handling and storage at room temperature:

Shock and friction: Not applicable

Contact with air: Not applicable

Increase in temperature: Risk of combustion

Sunlight: Avoid direct impact

Humidity: Not applicable

10.5 Incompatible materials

Acids: Avoid strong acids

Water: Not applicable

Oxidising materials: Avoid direct impact

Combustible materials: Not applicable

Others: Avoid alkalis or strong bases

10.6 Hazardous decomposition products

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

Section 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

The experimental information related to the toxicological properties of the product itself is not available.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

Inhalation (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract.

Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

IARC: Talc (3); Styrene (2A)

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Suspected of damaging the unborn child.

Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

Specific target organ toxicity (STOT) - single exposure:

- Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous as a result of a single exposure. For more information see section 3.

Specific target organ toxicity (STOT) - repeated exposure:

- Specific target organ toxicity (STOT) - repeated exposure: Serious health effects in the case of prolonged consumption, including death, serious functional disorders or morphological changes of toxicological importance.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Aspiration hazard:

- Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Non-applicable.

Specific toxicology information on the substances:

100-42-5 STYRENE	ACUTE TOXICITY	GENUS
LD50 oral	> 2000 mg/kg	-
LD50 dermal	> 2000 mg/kg	-
LC50 inhalation	12 mg/L (4 h)	Rat

67-56-1 METHANOL	ACUTE TOXICITY	GENUS
LD50 oral	100 mg/kg	Rat
LD50 dermal	300 mg/kg	Rabbit
LC50 inhalation	3 mg/L (4 h)	Rat

108-31-6 MALEIC ANHYDRIDE	ACUTE TOXICITY	GENUS
LD50 oral	> 2000 mg/kg	-
LD50 dermal	> 2000 mg/kg	-
LC50 inhalation	> 5 mg/L	-

11.2 Information on other hazards

Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information:

Non-applicable.

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Section 12 Ecological information

The experimental information related to the ecotoxicological properties of the product itself is not available.

12.1 Toxicity

Acute toxicity:

METHANOL | CAS: 67-56-1 | EC: 200-659-6

CONCENTRATION	SPECIES	GENUS
LC50 15400 mg/L (96 h)	Lepomis macrochirus	Fish
EC50 12000 mg/L (96 h)	Nitocra spinipes	Crustacean
EC50 530 mg/L (168 h)	Microcystis aeruginosa	Algae

Chronic toxicity:

METHANOL | CAS: 67-56-1 | EC: 200-659-6

CONCENTRATION	SPECIES	GENUS
NOEC 15800 mg/L	Oryzias latipes	Fish
NOEC 122 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability

METHANOL | CAS: 67-56-1 | EC: 200-659-6

DEGRADABILITY		BIODEGRADABILITY	
BOD5	Non-applicable	Concentration	100 mg/L
COD	1.42 g O2/g	Period	14 days
BOD5/COD	Non-applicable	% Biodegradable	92 %

12.3 Bioaccumulative potential

METHANOL | CAS: 67-56-1 | EC: 200-659-6

BIOACCUMULATION POTENTIAL	
BCF	3
Pow Log	- 0.77
Potential	Low

12.4 Mobility in soil

STYRENE | CAS: 100-42-5 | EC: 202-851-5

ABSORPTION/DESORPTION		VOLATILITY	
Koc	Non-applicable	Henry	Non-applicable
Conclusion	Non-applicable	Dry soil	Non-applicable
Surface tension	3.21E-2 N/m (25 °C)	Moist soil	Non-applicable

METHANOL | CAS: 67-56-1 | EC: 200-659-6

ABSORPTION/DESORPTION		VOLATILITY	
Koc	Non-applicable	Henry	Non-applicable
Conclusion	Non-applicable	Dry soil	Non-applicable
Surface tension	2.355E-2 N/m (25 °C)	Moist soil	Non-applicable

MALEIC ANHYDRIDE | CAS: 108-31-6 | EC: 203-571-6

ABSORPTION/DESORPTION		VOLATILITY	
Koc	Non-applicable	Henry	Non-applicable
Conclusion	Non-applicable	Dry soil	Non-applicable
Surface tension	1.673E-2 N/m (250.21 °C)	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment

Product fails to meet PBT/vPvB criteria.

12.6 Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects

Not described.

Section 13 Disposal considerations

13.1 Waste treatment methods

Code: 08 04 09*

Description: Waste adhesives and sealants containing organic solvents or other hazardous substances

Waste class (Regulation (EU) No 1357/2014): Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP10 Toxic for reproduction, HP4 Irritant - skin irritation and eye damage.

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated. Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014.

Section 14 Transport information

Transport of dangerous goods by land:
With regard to ADR 2021 and RID 2021:



14.1 UN number or ID number

UN1866

14.2 UN proper shipping name

RESIN SOLUTION, flammable

14.3 Transport hazard class(es)

3; Labels: 3

14.4 Packing group

III

14.5 Environmental hazards

No

14.6 Special precautions for user

Special regulations: Non-applicable

Tunnel restriction code: D/E

Physio-Chemical properties: See section 9

Limited quantities: 5 L

14.7 Maritime transport in bulk according to IMO instruments

Non-applicable

Note: Not applicable in receptacles of less than 450 litres (2.2.3.1.5)

Transport of dangerous goods by sea:
With regard to IMDG 39-18:



14.1 UN number or ID number

UN1866

14.2 UN proper shipping name

RESIN SOLUTION, flammable

14.3 Transport hazard class(es)

3; Labels: 3

14.4 Packing group

III

14.5 Marine pollutant

No

14.6 Special precautions for user

Special regulations: 955, 223

EmS Codes: F-E, S-E

Physio-Chemical properties: See section 9

Limited quantities: 5 L

Segregation group: Non-applicable

**14.7 Maritime transport in bulk
according to IMO instruments**

Non-applicable

*Note: Not applicable in receptacles
of less than 30 litres (2.3.2.5)*

Transport of dangerous goods by air:
With regard to IATA/ICAO 2021:



14.1 UN number or ID number

UN1866

14.2 UN proper shipping name

RESIN SOLUTION, flammable

14.3 Transport hazard class(es)

3; Labels: 3

14.4 Packing group

III

14.5 Environmental hazards

No

14.6 Special precautions for user

Physio-Chemical properties: See section 9

**14.7 Maritime transport in bulk
according to IMO instruments**

Non-applicable

SOLUMASTIK

REV. 02 - 02/2022
PRINT DATE - 02/2022

Section 15 Regulatory information

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable
Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable
Article 95, REGULATION (EU) No 528/2012: Non-applicable
REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

SECTION	DESCRIPTION	LOWER-TIER REQUIREMENTS	UPPER-TIER REQUIREMENTS
P5c	FLAMMABLE LIQUIDS	5000	50000

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ...):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation.

15.2 Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

Section 16 Other information

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II - Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks:

COMMISSION REGULATION (EU) 2020/878
COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

- New declared substances
Styrene (100-42-5)
- Removed substances
Styrene (100-42-5)

Substances that contribute to the classification (SECTION 2):

- New declared substances
Styrene (100-42-5)
- Removed substances
Styrene (100-42-5)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Hazard statements

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.

H372: Causes damage to organs through prolonged or repeated exposure.

H361d: Suspected of damaging the unborn child.

H317: May cause an allergic skin reaction.

H226: Flammable liquid and vapour.

H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301+H311+331 - Toxic if swallowed, in contact with skin or if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H332 - Harmful if inhaled.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 2: H361d - Suspected of damaging the unborn child.
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.
STOT SE 1: H370 - Causes damage to organs.

Classification procedure:

Skin Irrit. 2: Calculation method
STOT RE 1: Calculation method
Repr. 2: Calculation method
Skin Sens. 1A: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)
Eye Irrit. 2: Calculation method

Advice related to training:

Minimal training is recommended in order to prevent industrial risk for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

- ADR: European agreement concerning the international carriage of dangerous goods by road
- IMDG: International maritime dangerous goods code
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- COD: Chemical Oxygen Demand
- BOD5: 5day biochemical oxygen demand
- BCF: Bioconcentration factor
- LD50: Lethal Dose 50
- LC50: Lethal Concentration 50
- EC50: Effective Concentration 50
- LogPOW: Octanolwater partition coefficient
- Koc: Partition coefficient of organic carbon
- UFI: Unique Formula Identifier
- IARC: International Agency for Research on Cancer