



FIBRAPLAST
Code: 3301008



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SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	PRODUCT IDENTIFIER: FIBRAPLAST Code: 3301008
1.2	RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST: <u>Intended uses (main technical functions):</u> [X] Industrial [X] Professional [] Consumers Bodywork repair unsaturated polyester paste. <u>Uses advised against:</u> This product is not recommended for any use or sector of use industrial, professional or consume other than those previously listed as 'Intended or identified uses'. This product is for the professional painting of vehicles only after reference to the manufacturer's data sheet. If your use is not covered, please contact the supplier of this material safety data sheet. <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> # Not restricted.
1.3	DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET: CRISOL COLOR, S.L. Ctra. Girona-Banyoles, Km. 10,8 - 17843 - Palol de Revardit (Girona) Phone: +34 902056318 - Fax: +34 972171342 <u>E-mail address of the person responsible for the safety data sheet:</u> crisolcolor@totcolor.es
1.4	EMERGENCY TELEPHONE NUMBER: +34 972170517 (8:00-13:00 / 14:00-18:00 h.) (working hours)

SECTION 2 : HAZARDS IDENTIFICATION

2.1	CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:					
	<u>Classification in accordance with Regulation (EC) No. 1272/2008-605/2014 (CLP):</u> DANGER: Flam. Liq. 3:H226 Skin Irrit. 2:H315 Eye Irrit. 2:H319 Repr. 2:H361d STOT RE 1:H372iE Aquatic Chronic 1:H410					
	Danger class	Classification of the mixture	Cat.	Routes of exposure	Target organs	Effects
	<u>Physicochemical:</u> 	Flam. Liq. 3:H226 Skin Irrit. 2:H315 Eye Irrit. 2:H319	Cat.3 Cat.2 Cat.2	- Skin Eyes	- Skin Eyes	- Irritation Irritation
	<u>Human health:</u> 	Repr. 2:H361d STOT RE 1:H372iE Aquatic Chronic 1:H410	Cat.2 Cat.1 Cat.1	Inhalation -	Reproductive system Hearing system -	Fetus Loss of hearing -
	<u>Environment:</u> 					

Classification in accordance with Directive 1999/45/EC-2006/8/EC (DPD):
R10 | Repr.Cat.3:R63 | Xn:R20-48/20 | Xi:R36/38

Full text of hazard statements and risk phrases mentioned is indicated in section 16.

2.2	LABEL ELEMENTS: This product is labelled with the signal word DANGER in accordance with Regulation (EC) No. 1272/2008-487/2013 (CLP) <u>Hazard statements:</u> H226 Flammable liquid and vapour. H361d Suspected of damage the unborn child. H372iE Causes damage to hearing organs through prolonged or repeated exposure if inhaled. H319 Causes serious eye irritation. H315 Causes skin irritation. H410 Very toxic to aquatic life with long lasting effects. <u>Precautionary statements:</u> P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260c Do not breathe vapour. P280F Wear protective gloves, clothing and eye protection. In case of inadequate ventilation wear respiratory protection. P303+P361+P353-P352-P312 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell. P273-P391-P501a Avoid release to the environment. Collect spillage. Dispose of contents/container in a safe way. <u>Supplementary statements:</u> None. <u>Hazardous ingredients:</u> Styrene
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2.3	OTHER HAZARDS: Hazards which do not result in classification but which may contribute to the overall hazards of the mixture: <u>Other physicochemical hazards:</u> Vapours may form with air a mixture potentially flammable or explosive. <u>Other adverse human health effects:</u> Prolonged exposure to vapours may produce transient drowsiness. In case of prolonged contact, the skin may become dry. <u>Other negative environmental effects:</u> Does not contain substances that fulfil the PBT/vPvB criteria.
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SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **SUBSTANCES:**
Not applicable (mixture).

3.2 **MIXTURES:**
This product is a mixture.
Chemical description:
Solution of resins and additives in organic solvents.

HAZARDOUS INGREDIENTS:
Substances taking part in a percentage higher than the exemption limit:

15 < 20 % 	Styrene CAS: 100-42-5 , EC: 202-851-5 DSD: R10 Repr.Cat.3:R63 Xn:R20-48/20 Xi:R36/38 CLP: Danger: Flam. Liq. 3:H226 Acute Tox. (inh.) 4:H332 Skin Irrit. 2:H315 E ye Irrit. 2:H319 Repr. 2:H361d STOT RE 1:H372iE	REACH: 01-2119457861-32 Index No. 601-026-00-0 < CLP00 < REACH / CLP00
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Impurities:
Does not contain other components or impurities which will influence the classification of the product.

Stabilizers:
None


Reference to other sections:
For more information, see sections 8, 11, 12 and 16.




SUBSTANCES OF VERY HIGH CONCERN (SVHC):
List updated by ECHA on 17/12/2014.
Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:
None
Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:
None

PERSISTENT, BIOACCUMULABLE AND TOXIC PBT, OR VERY PERSISTENT AND VERY BIOACCUMULABLE VPVB SUBSTANCES:
Does not contain substances that fulfill the PBT/VPvB criteria.

SECTION 4 : FIRST AID MEASURES

4.1 **DESCRIPTION OF FIRST-AID MEASURES AND MAIN SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:**

4.2  # In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. Lifeguards should pay attention to self-protection and use the recommended protective equipment if there is a possibility of exposure. Wear protective gloves when administering first aid.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
Inhalation: 	Inhalation of solvent vapours may produce headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness.	Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.
Skin: 	Skin contact causes redness. In case of prolonged contact, the skin may become dry.	Remove immediately contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners.
Eyes: 	Contact with the eyes produces redness and pain.	# Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Call a physician immediately.
Ingestion:	If swallowed, may cause irritation of the throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea.	# If swallowed, seek immediate medical attention. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.

4.3 **INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**
Notes to physician: Treatment should be directed at the control of symptoms and the clinical condition of the patient.
Antidotes and contraindications: Specific antidote not know.



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SECTION 5 : FIRE-FIGHTING MEASURES

- 5.1 **EXTINGUISHING MEDIA:**
Extinguishing powder or CO2. In the case of more important fires, also alcohol resistant foam and water spray/mist. Do not use for extinguishing: direct water jet. Direct water jet may not be effective to extinguish the fire, since the fire may spread.
- 5.2 **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**
Fire can produce a dense black smoke. As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products may be a hazard to health.
- 5.3 **ADVICE FOR FIREFIGHTERS:**
Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or not used, combat fire from a sheltered position or at a safe distance. The standard EN469 provides a basic level of protection for chemical incidents.
Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

- 6.1 **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**
Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product. Avoid breathing vapours. Keep people without protection in opposition to the wind direction.
- 6.2 **ENVIRONMENTAL PRECAUTIONS:**
Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.
- 6.3 **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**
Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc.). Avoid use of solvents. Keep the remains in a closed container.
- 6.4 **REFERENCE TO OTHER SECTIONS:**
For contact information in case of emergency, see section 1.
For information on safe handling, see section 7.
For exposure controls and personal protection measures, see section 8.
For subsequent waste disposal, follow the recommendations in section 13.

SECTION 7 : HANDLING AND STORAGE

- 7.1 **PRECAUTIONS FOR SAFE HANDLING:**
Comply with the existing legislation on health and safety at work.
General recommendations:
Avoid any type of leakage or escape. Keep the container tightly closed.
Recommendations for the prevention of fire and explosion risks:
Vapours are heavier than air, may spread along floors to a considerable distance, can form explosive mixtures with air and are able to reach distant ignition sources and flame up or explode. Due to its flammability, this material should only be used in areas from which all naked lights and other sources of ignition have been excluded and away from other heat or electrical sources. Switch mobile phones off and do not smoke. If this product is used in an industrial installation, the zones with risk of explosion should be marked. Use instruments, systems and protective equipment adequate to the classification of zones, according to the health and safety at work laws, in accordance with Directive 94/9/EC and 99/92/EC. Electrical equipment should be protected to the appropriate standard. No tools with a potential for sparks should be used. Elaborate the document 'Protection against explosions'.

- Flash point	:	31. °C
- Autoignition temperature	:	490. °C
- Upper/lower flammability or explosive limits	:	1.1 - 6.1 % Volume 25°C

Recommendations for the prevention of toxicological risks:
It is advisable pregnant women not be employed in any process in which this product is used. Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.
Recommendations for the prevention of environmental contamination:
Avoid any spillage in the environment. Pay special attention to the cleaning water. In the case of accidental spillage, follow the instructions indicated in section 6.
- 7.2 **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**
Prevent unauthorized access. Keep out of reach of children. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. If possible, avoid direct contact with sunlight. Avoid extreme humidity conditions. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.

Class of store	:	# <i>According to current legislation.</i>
Maximum storage period	:	12. months
Temperature interval	:	min: 5.°C, max: 40.°C (recommended).

Incompatible materials:
Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.
Type of packaging:
According to current legislation.
Limit quantity (Seveso III): Directive 96/82/EC-2003/105/EC:
Lower threshold: 5000 tons , Upper threshold: 50000 tons
- 7.3 **SPECIFIC END USES:**
For the use of this product do not exist particular recommendations apart from that already indicated.



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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:
If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689, EN14042 and EN482 standard concerning methods for assessing the exposure by inhalation to chemical agents, and exposure to chemical and biological agents. Reference should be also made to national guidance documents for methods for the determination of dangerous substances.

OCCUPATIONAL EXPOSURE LIMIT VALUES (TLV)

AGCIH 2012	Year	TLV-TWA ppm	mg/m3	TLV-STEL ppm	mg/m3	Observations
Styrene	1997	20.	85.	40.	170.	A4

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.
A4 - Non classified as carcinogenic in humans.

BIOLOGICAL LIMIT VALUES:

Not established

DERIVED NO-EFFECT LEVEL (DNEL):

Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from a occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

<u>Derived no-effect level, workers:</u> - Systemic effects, acute and chronic:	<u>DNEL Inhalation</u> mg/m3	<u>DNEL Cutaneous</u> mg/kg bw/d	<u>DNEL Oral</u> mg/kg bw/d
Styrene	289. (a) 85.0 (c)	- (a) 406. (c)	- (a) - (c)
<u>Derived no-effect level, workers:</u> - Local effects, acute and chronic:	<u>DNEL Inhalation</u> mg/m3	<u>DNEL Cutaneous</u> mg/cm2	<u>DNEL Eyes</u> mg/cm2
Styrene	306. (a) - (c)	- (a) - (c)	- (a) - (c)

Derived no-effect level, general population:

Not applicable (product for professional or industrial use).

(a) - Acute, short-term exposure, (c) - Chronic, long-term or repeated exposure.
(-) - DNEL not available (without data of registration REACH).

PREDICTED NO-EFFECT CONCENTRATION (PNEC):

<u>Predicted no-effect concentration, aquatic organisms:</u> - Fresh water, marine water and intermitent release:	<u>PNEC Fresh water</u> mg/l	<u>PNEC Marine</u> mg/l	<u>PNEC Intermittent</u> mg/l
Styrene	0.0280	0.00280	0.0400
- Wastewater treatment plants (STP) and sediments in fresh- and marine water:	<u>PNEC STP</u> mg/l	<u>PNEC Sediments</u> mg/kg dry weight	<u>PNEC Sediments</u> mg/kg dry weight
Styrene	5.00	0.614	0.0614
<u>Predicted no-effect concentration, terrestrial organisms:</u> - Air, soil and effects for predator sand humans:	<u>PNEC Air</u> mg/m3	<u>PNEC Soil</u> mg/kg dry weight	<u>PNEC Oral</u> mg/kg bw/d
Styrene	-	0.200	-

(-) - PNEC not available (without data of registration REACH).



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8.2

EXPOSURE CONTROLS:

ENGINEERING MEASURES:



Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these measures are not sufficient to maintain concentrations of particulates and vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

Protection of respiratory system: Avoid the inhalation of vapours.

Protection of eyes and face: It is recommended to dispose of water taps, sources or eyewash bottles with clean water close to the working area.

Protection of hands and skin: It is recommended to dispose of water taps or sources with clean water close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

OCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC-96/58/EC:

As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding EC marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc.), you should consult the informative brochures provided by the manufacturers of PPE.

Mask:



A-type filter mask (brown) for gases and vapours of organic compounds with a boiling point higher than 65°C (EN14387). Classe 1: low capacity up to 1000 ppm, Classe 2: medium capacity up to 5000 ppm, Classe 3: high capacity up to 10000 ppm. In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers. The respiratory equipment with filters does not work satisfactorily when the air contains high concentrations of vapour or oxygen content less than 18% in volume. In presence of high concentrations of vapour, use independent breathing apparatus.

Goggles:



Safety goggles with suitable lateral protection (EN166). Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.

Face shield:

No.

Gloves:



Gloves resistant against chemicals (EN374). When it can be a repeated or prolonged contact, it is recommended to use gloves with a protection level 5 or higher, with a breakthrough time >240 min. When you only expects a short contact, it is recommended to use gloves with a protection level 2 or higher, with a breakthrough time >30 min. The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, we must have in mind the manual of instructions from manufacturers of gloves. Use the proper technique of removing gloves (without touching glove's outer surface) to avoid contact of the product with the skin. The gloves should be immediately replaced when any sign of degradation is noted.

Boots:

No.

Apron:

No.

Clothing:

Advisable.

Thermal hazards:

Not applicable (the product is handled at room temperature).

ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment of the product, wastes, packages or spraybooth sewages. Avoid any release into the atmosphere above the legal limits allowed.

Spills on the soil: Prevent contamination of soil.

Spills in water: Do not allow to escape into drains, sewers or water courses.

Emissions to the atmosphere: Because of volatility, emissions to the atmosphere while handling and use may result. Avoid any release into the atmosphere.

VOC (product ready for use*): It is applicable the Directive 2004/42/EC, on the limitation of emissions of volatile compounds due to the use of organic solvents: VEHICLE REFINISHING PRODUCTS (defined in the Directive 2004/42/EC, Annex I.2): Emission subcategory B) Bodyfiller. VOC (product ready for use*) (Producto auxiliar.) : 29.5 g/l* (VOC max. 250. g/l* starting from 01.01.2007).



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1	<p>INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:</p> <p><u>Appearance</u> - Physical state : # Paste. - Colour : # Green. - Odour : Characteristic - Odour threshold : Not available (mixture).</p> <p><u>pH-value</u> - pH : Not applicable</p> <p><u>Change of state</u> - Melting point : Not applicable (mixture). - Initial boiling point : 145.2 °C at 760 mmHg</p> <p><u>Density</u> - Vapour density : # 3.59 at 20°C 1 atm. Relative air - Relative density : # 1.724 at 20/4°C Relative water</p> <p><u>Stability</u> - Decomposition temperature : Not available</p> <p><u>Viscosity:</u> - Viscosity (flow time) : Not available</p> <p><u>Volatility:</u> - Vapour pressure : 4.5 mmHg at 20°C - Vapour pressure : 3.1 kPa at 50°C</p> <p><u>Solubility(ies)</u> - Solubility in water: : Not miscible - Solubility in oils and fats: : Not available</p> <p><u>Flammability:</u> - Flash point : 31. °C - Upper/lower flammability or explosive limits : 1.1 - 6.1 % Volume 25°C - Autoignition temperature : 490. °C</p> <p><u>Explosive properties:</u> Vapours can form explosive mixtures with air and are able to flame up or explode in presence of an ignition source.</p> <p><u>Oxidizing properties:</u> # Not classified as oxidizing product.</p>
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9.2	<p>OTHER INFORMATION:</p> <p>- Heat of combustion : # 3372. Kcal/kg - VOC (supply) : # 1.7 % Weight - VOC (supply) : # 29.5 g/l</p> <p>The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.</p>
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SECTION 10 : STABILITY AND REACTIVITY

10.1	<p>REACTIVITY: <u>Corrosivity to metals:</u> It is not corrosive to metals. <u>Pyrophorical properties:</u> It is not pyrophoric.</p>
10.2	<p>CHEMICAL STABILITY: Stable under recommended storage and handling conditions.</p>
10.3	<p>POSSIBILITY OF HAZARDOUS REACTIONS: Possible dangerous reaction with oxidizing agents, acids, alkalis, amines, peroxides, polymerization initiators.</p>
10.4	<p>CONDITIONS TO AVOID: <u>Heat:</u> Keep away from sources of heat. <u>Light:</u> If possible, avoid direct contact with sunlight. <u>Air:</u> Not applicable. <u>Humidity:</u> Avoid extreme humidity conditions. <u>Pressure:</u> Not applicable. <u>Shock:</u> Not applicable.</p>
10.5	<p>INCOMPATIBLE MATERIALS: Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.</p>
10.6	<p>HAZARDOUS DECOMPOSITION PRODUCTS: As consequence of thermal decomposition, hazardous products may be produced: sulfur oxides.</p>

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SECTION 11 : TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation is available. The toxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EC) No. 1272/2008-605/2014 (CLP).

11.1	INFORMATION ON TOXICOLOGICAL EFFECTS:			
	<u>ACUTE TOXICITY:</u>			
	<u>Dose and lethal concentrations for individual ingredients:</u> Styrene	<u>DL50 (OECD 401)</u> mg/kg oral 2650. Rat	<u>DL50 (OECD 402)</u> mg/kg cutaneous > 2000. Rabbit	<u>CL50 (OECD 403)</u> mg/m3.4h inhalation > 11800. Rat
	<u>No observed adverse effect level</u> Not available <u>Lowest observed adverse effect level</u> Not available			
	<u>INFORMATION ON LIKELY ROUTES OF EXPOSURE : Acute toxicity:</u>			
	<u>Routes of exposure</u>	<u>Acute toxicity</u>	<u>Cat.</u>	<u>Main effects, acute and/or delayed</u>
	<u>Inhalation:</u> Not classified	ETA > 20000 mg/m3	-	# Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met).
	<u>Skin:</u> Not classified	ETA > 2000 mg/kg	-	# Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met).
	<u>Eyes:</u> Not classified	Not available	-	# Not classified as a product with acute toxicity by eye contact (lack of data).
	<u>Ingestion:</u> Not classified	ETA > 5000 mg/kg	-	# Not classified as a product with acute toxicity if swallowed (based on available data, the classification criteria are not met).

CORROSION / IRRITATION / SENSITISATION :

<u>Danger class</u>	<u>Target organs</u>	<u>Cat.</u>	<u>Main effects, acute and/or delayed</u>
<u>Respiratory corrosion/irritation:</u> Not classified	-	-	# Not classified as a product corrosive or irritant by inhalation (based on available data, the classification criteria are not met).
<u>Skin corrosion/irritation:</u> 	Skin 	Cat.2	IRRITANT: Causes skin irritation.
<u>Serious eye damage/irritation:</u> 	Eyes 	Cat.2	IRRITANT: Causes serious eye irritation.
<u>Respiratory sensitisation:</u> Not classified	-	-	# Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).
<u>Skin sensitisation:</u> Not classified	-	-	# Not classified as a product sensitising by skin contact (based on available data, the classification criteria are not met).

ASPIRATION HAZARD:

<u>Danger class</u>	<u>Target organs</u>	<u>Cat.</u>	<u>Main effects, acute and/or delayed</u>
<u>Aspiration hazard:</u> Not classified	-	-	# Not applicable (paste).

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

<u>Effects</u>	<u>SE/RE</u>	<u>Target organs</u>	<u>Cat.</u>	<u>Main effects, acute and/or delayed</u>
<u>Neurological:</u> 	RE	Hearing system 	Cat.1	# NEUROTOXIC: Causes damage to hearing organs through prolonged or repeated exposure if inhaled (loss of audition).

CMR EFFECTS:

Carcinogenic effects: Is not considered as a carcinogenic product.

Genotoxicity: Is not considered as a mutagenic product.

Toxicity for reproduction:

This preparation contains the following ingredients which can be toxic for human reproduction: Styrene (cat.2).

Effects via lactation: Not classified as a hazardous product for children breast-fed.



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DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Routes of exposure: May be absorbed by inhalation of vapour, through the skin and by ingestion.

Short-term exposure: Harmful by inhalation. Exposure to solvent vapour concentrations in excess of the stated occupational exposure limit, may result in adverse health effects, such as mucous membrane and respiratory system irritation and adverse effects on kidneys, liver and central nervous system. Liquid splashes in the eyes may cause irritation and reversible damage. Irritating to skin. If swallowed, may cause irritation of the throat; other effects may be the same as described in the exposure to vapours.

Long-term or repeated exposure: Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

INTERACTIVE EFFECTS:

Not available.

INFORMATION ABOUT TOXICOCINE TICS, METABOLISM AND DISTRIBUTION:

Dermal absorption: Not available.

Basic toxicokinetics: Not available.

ADDITIONAL INFORMATION:

Not available.

SECTION 12 : ECOLOGICAL INFORMATION

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EC) No. 1272/2008-605/2014 (CLP).

12.1	TOXICITY:			
	Acute toxicity in aquatic environment for individual ingredients: Styrene	CL50 (OECD 203) mg/L.96hours 9.0 Fishes	CE50 (OECD 202) mg/L.48hours 4.7 Daphnia	CE50 (OECD 201) mg/L.72hours 1.4 Algae
	No observed effect concentration Not available			
	Lowest observed effect concentration Not available			
12.2	PERSISTENCE AND DEGRADABILITY: Not available.			
	Aerobic biodegradation for individual ingredients: Styrene	DQO mgO2/g ~ 2800.	%DBO5/DQO 5 dias 14 dias 28 dias	Biodegradability Easy
12.3	BIOACCUMULATIVE POTENTIAL: Not available.			
	Bioaccumulation for individual ingredients: Styrene	logPow 2.95	BCF L/kg 13. (calculated)	Potential No bioaccumulable
12.4	MOBILITY IN SOIL: Not available.			
12.5	RESULTS OF PBT AND VPVBASESMENT: Annex XIII of Regulation (EC) no. 1907/2006: Does not contain substances that fulfill the PBT/vPvB criteria.			
12.6	OTHER ADVERSE EFFECTS: Ozone depletion potential: Not available. Photochemical ozone creation potential: Not available. Earth global warming potential: In case of fire or incineration liberates CO2. Endocrine disrupting potential: Not available.			

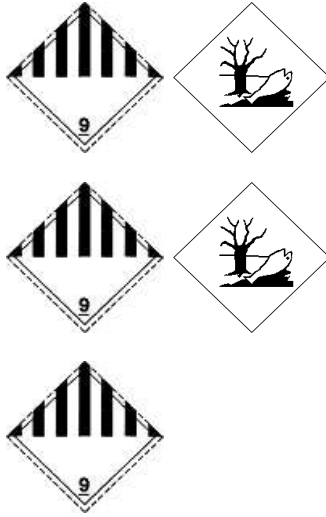
SECTION 13 : DISPOSAL CONSIDERATIONS

13.1	<p>WASTE TREATMENT METHODS: Directive 2008/98/EC: Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.</p> <p>Disposal of empty containers: Directive 94/62/EC-2005/20/EC, Decision 2000/532/EC: Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.</p> <p>Procedures for neutralising or destroying the product: Controlled incineration in special facilities for chemical waste, but in accordance with local regulations.</p>
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SECTION 14 : TRANSPORT INFORMATION

14.1	UN NUMBER: 3082
14.2	UN PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains styrene)
14.3 14.4	TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP: Transport by road (ADR 2013) and Transport by rail (RID 2013): - Class: 9 - Packaging group: III - Classification code: M6 - Tunnel restriction code: (E) - Transport category: 3, max. ADR 1.1.3.6. 1000 kg - Limited quantities: 5 L (see total exemptions ADR 3.4) - Transport document: Consignment paper. - Instructions in writing: ADR 5.4.3.4 Transport by sea (IMDG 36-12): - Class: 9 - Packaging group: III - Emergency Sheet (EmS): F-A,S-F - First Aid Guide (MFAG): - - Marine pollutant: Yes. - Transport document: Shipping Bill of lading. Transport by air (ICAO/IATA 2013): - Class: 9 - Packaging group: III - Transport document: Air Bill of lading. Transport by inland waterways (ADN): Not available.
14.5	ENVIRONMENTAL HAZARDS: # Classified as hazardous for the environment.
14.6	SPECIAL PRECAUTIONS FOR USER: Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are in a vertical position and sure. Ensure adequate ventilation.
14.7	TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE: Not applicable.



SECTION 15 : REGULATORY INFORMATION

15.1	EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC: The regulations applicable to this product generally are listed throughout this material safety data sheet. Restrictions on manufacture, placing on market and use: See section 1.2 Control of the risks inherent in major accidents (Seveso III): See section 7.2 Tactile warning of danger: Not applicable (product for professional or industrial use). Child safety protection: Not applicable (product for professional or industrial use). VOC information on the label: Contains VOC max.30. g/l - The limit value 2004/42/CE-IIB cat. B) for the product ready for use is VOC max. 250. g/l. OTHER REGULATIONS: Not available
15.2	CHEMICAL SAFETY ASSESSMENT: Not applicable (mixture).



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SECTION 16 : OTHER INFORMATION

16.1 TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:
Hazard statements according the Regulation (EC) No. 1272/2008-790/2009 (CLP), Annex III:
 H226 Flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H361d Suspected of damage the unborn child. H372iE Causes damage to hearing organs through prolonged or repeated exposure if inhaled.
R-phrases according the Directive 67/548/EEC-2001/59/EC (DSD), Annex III:
 R10 Flammable. R20 Harmful by inhalation. R63 Possible risk of harm to the unborn child. R36/38 Irritating to eyes and skin. R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:

It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of material safety data sheets and labelling of products as well.

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Agency: ECHA, <http://echa.europa.eu/>
- Access to European Union Law, <http://eur-lex.europa.eu/>
- Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970).
- Threshold Limit Values, (AGCIH, 2012).
- European agreement on the international carriage of dangerous goods by road, (ADR 2013).
- International Maritime Dangerous Goods Code IMDG including Amendment 36-12 (IMO, 2012).

ABBREVIATIONS AND ACRONYMS:

List of abbreviations and acronyms that can be used (but not necessarily used) in this material safety data sheet:

- REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- DSD: Dangerous Substances Directive.
- DPD: Dangerous Preparations Directive.
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations.
- CLP: European regularion on Classificatin, Labelling amd Packaging of substances and chemical mixtures.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- ELINCS: European List of Notified Chemical Substances.
- CAS: Chemical Abstracts Service (Division of the American Chemical Society).
- UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials).
- SVHC: Substances of Very High Concern.
- PBT: Persistent, bioaccumulable and toxic substances.
- vPvB: Very persistent and very bioaccumulable substances.
- VOC: Volatile Organic Compounds.
- DNEL: Derived No-Effect Level (REACH).
- PNEC: Predicted No-Effect Concentration (REACH).
- LD50: Letal dose, 50 percent.
- LC50: Letal concentration, 50 percent.
- UN: United Nations Organisation.
- ADR: European agreement concerning the international carriage of dangeous goods by road.
- RID: Regulations concerning the international transport of dangeous goods by rail.
- IMDG: International Maritime code for Dangerous Goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Or ganizatio n.

MATERIAL SAFETY DATA SHEET REGULATIONS:

Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No. 453/2010.

HISTORY:

Revision:

Version: 1 18/07/2014
 Version: 2 09/03/2015

Modifications with respect to the previous Material Safety Data Sheet:

The possible legislative, contextual, numerical, methodological and normative changes with respect to the previous version are highlighted in this Material Safety Data Sheet by a mark # in red and italic.

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.