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

1.1 Product identifier: UFCFG20 - ULTRAFILL - CARBON FIBRE Polyester Filler

Other means of identification:

Not relevant

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

Relevant uses (Professional users):
- Filler for repairing surfaces
For Professional users only.
Uses advised against:
- All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Alpha Coatings Ltd t/as Capella Solutions Group
Unit 6 Walbrook Business Park Queenborough Rd
ME12 3XS Sheerness - Kent - Great Britain
Phone: 0044 (0) 1634 823900
sales@capellasolutionsgroup.com
www.capellasolutionsgroup.com

1.4 Emergency telephone number: +44 (0)1634 823900 (offices hours only)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).

Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 3: Flammable liquids, Category 3, H226
Repr. 1B: Reproductive toxicity, Category 1B , H360Df
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 (Inhalation), H372

2.2 Label elements:

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Danger



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 1B: H360Df - May damage the unborn child. Suspected of damaging fertility.
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). Organs affected: Ear.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/face protection.
P333: If skin irritation or rash occurs:
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

Supplementary information:

Contains 2,2´-(m-tolylimino)diethanol.

Substances that contribute to the classification

styrene (CAS: 100-42-5); N-ethyl-2-pyrrolidone (CAS: 2687-91-4); maleic anhydride (CAS: 108-31-6)

Additional Labelling:

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Restricted to professional users

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Polyester resin

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 100-42-5 EC: 202-851-5 REACH: 01-2119457861-32-XXXX	**styrene** Acute Tox. 4: H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 1: H372; STOT SE 3: H335 - Danger	**10 - <25 %**
CAS: 141-78-6 EC: 205-500-4 REACH: 01-2119475103-46-XXXX	**Ethyl acetate** Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	**1 - <2.5 %**
CAS: 91-99-6 EC: 202-114-8 REACH: 01-2120791683-42-XXXX	**2,2´-(m-tolylimino)diethanol** Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT RE 2: H373 - Danger	**1 - <2.5 %**
CAS: 111-76-2 EC: 203-905-0 REACH: 01-2119475108-36-XXXX	**2-butoxyethanol** Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	**1 - <2.5 %**
CAS: 2687-91-4 EC: 220-250-6 REACH: 01-2119472138-36-XXXX	**N-ethyl-2-pyrrolidone** Eye Dam. 1: H318; Repr. 1B: H360Df - Danger	**<1 %**
CAS: 108-31-6 EC: 203-571-6 REACH: 01-2119472428-31-XXXX	**maleic anhydride** 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	**<1 %**

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

Other information:

Identification	Specific concentration limit
maleic anhydride CAS: 108-31-6	% (w/w) >=0.001: Skin Sens. 1A - H317

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
styrene CAS: 100-42-5 EC: 202-851-5	LD50 oral	Not relevant	
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	11.8 mg/L	Rat
2,2´-(m-tolylimino)diethanol CAS: 91-99-6 EC: 202-114-8	LD50 oral	500 mg/kg	
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	Not relevant	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral	1200 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	11 mg/L	
maleic anhydride CAS: 108-31-6 EC: 203-571-6	LD50 oral	1090 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation vapour	Not relevant	

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid 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 water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for 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:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

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. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

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. Remove 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:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

CAPELLA

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

It is recommended to avoid environmental spillage of both the product and its container.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.
Spillages in water or sea:
Small spillages:
Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.
Large spillages:
If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

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.

B.- 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 The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

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.

D.- 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:

A.- Specific storage requirements

Minimum Temp.: 5 ºC

Maximum time: 6 Months

B.- 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:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
styrene CAS: 100-42-5	WEL (8h)	100 ppm	430 mg/m³
	WEL (15 min)	250 ppm	1080 mg/m³
Ethyl acetate CAS: 141-78-6	WEL (8h)	200 ppm	734 mg/m³
	WEL (15 min)	400 ppm	1468 mg/m³
2-butoxyethanol [(1)] CAS: 111-76-2	WEL (8h)	25 ppm	123 mg/m³
	WEL (15 min)	50 ppm	246 mg/m³
maleic anhydride CAS: 108-31-6	WEL (8h)		1 mg/m³
	WEL (15 min)		3 mg/m³

[(1)] Skin

Biological limit values:

BIOLOGICAL MONITORING GUIDANCE VALUES (BMGVS) - EH40/2005

Identification	NULL	NULL	NULL
2-butoxyethanol CAS: 111-76-2	280 mg/g (Creatinine)	Butoxyacetic acid in urine	Post shift

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
styrene	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 100-42-5	Dermal	Not relevant	Not relevant	406 mg/kg	Not relevant
EC: 202-851-5	Inhalation	289 mg/m³	306 mg/m³	85 mg/m³	Not relevant
Ethyl acetate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 141-78-6	Dermal	Not relevant	Not relevant	63 mg/kg	Not relevant
EC: 205-500-4	Inhalation	1468 mg/m³	1468 mg/m³	734 mg/m³	734 mg/m³
2,2´-(m-tolylimino)diethanol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 91-99-6	Dermal	Not relevant	Not relevant	0.23 mg/kg	Not relevant
EC: 202-114-8	Inhalation	0.8 mg/m³	Not relevant	0.8 mg/m³	Not relevant
2-butoxyethanol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 111-76-2	Dermal	89 mg/kg	Not relevant	125 mg/kg	Not relevant
EC: 203-905-0	Inhalation	1091 mg/m³	246 mg/m³	98 mg/m³	Not relevant
N-ethyl-2-pyrrolidone	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 2687-91-4	Dermal	Not relevant	Not relevant	4 mg/kg	Not relevant
EC: 220-250-6	Inhalation	Not relevant	20.1 mg/m³	16.75 mg/m³	10.05 mg/m³
maleic anhydride	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 108-31-6	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
EC: 203-571-6	Inhalation	0.2 mg/m³	0.2 mg/m³	0.081 mg/m³	0.081 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
styrene	Oral	Not relevant	Not relevant	2.1 mg/kg	Not relevant
CAS: 100-42-5	Dermal	Not relevant	Not relevant	343 mg/kg	Not relevant
EC: 202-851-5	Inhalation	174.25 mg/m³	182.75 mg/m³	10.2 mg/m³	Not relevant
Ethyl acetate	Oral	Not relevant	Not relevant	4.5 mg/kg	Not relevant
CAS: 141-78-6	Dermal	Not relevant	Not relevant	37 mg/kg	Not relevant
EC: 205-500-4	Inhalation	734 mg/m³	734 mg/m³	367 mg/m³	367 mg/m³
2,2´-(m-tolylimino)diethanol	Oral	0.14 mg/kg	Not relevant	0.14 mg/kg	Not relevant
CAS: 91-99-6	Dermal	Not relevant	Not relevant	0.07 mg/kg	Not relevant
EC: 202-114-8	Inhalation	0.24 mg/m³	Not relevant	0.24 mg/m³	Not relevant
2-butoxyethanol	Oral	Not relevant	Not relevant	6.3 mg/kg	Not relevant
CAS: 111-76-2	Dermal	89 mg/kg	Not relevant	75 mg/kg	Not relevant
EC: 203-905-0	Inhalation	426 mg/m³	147 mg/m³	59 mg/m³	Not relevant

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
N-ethyl-2-pyrrolidone	Oral	Not relevant	Not relevant	0.5 mg/kg	Not relevant
CAS: 2687-91-4	Dermal	Not relevant	Not relevant	0.5 mg/kg	Not relevant
EC: 220-250-6	Inhalation	Not relevant	1.2 mg/m³	1 mg/m³	1.2 mg/m³

PNEC:

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	Not relevant	Sediment (Marine water)	0.307 mg/kg
Ethyl acetate	STP	650 mg/L	Fresh water	0.24 mg/L
CAS: 141-78-6	Soil	0.148 mg/kg	Marine water	0.024 mg/L
EC: 205-500-4	Intermittent	1.65 mg/L	Sediment (Fresh water)	1.15 mg/kg
	Oral	0.2 g/kg	Sediment (Marine water)	0.115 mg/kg
2,2´-(m-tolylimino)diethanol	STP	81.7 mg/L	Fresh water	0.107 mg/L
CAS: 91-99-6	Soil	0.37 mg/kg	Marine water	0.011 mg/L
EC: 202-114-8	Intermittent	1.07 mg/L	Sediment (Fresh water)	2.16 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.22 mg/kg
2-butoxyethanol	STP	463 mg/L	Fresh water	8.8 mg/L
CAS: 111-76-2	Soil	2.33 mg/kg	Marine water	0.88 mg/L
EC: 203-905-0	Intermittent	26.4 mg/L	Sediment (Fresh water)	34.6 mg/kg
	Oral	0.02 g/kg	Sediment (Marine water)	3.46 mg/kg
N-ethyl-2-pyrrolidone	STP	10 mg/L	Fresh water	0.25 mg/L
CAS: 2687-91-4	Soil	0.104 mg/kg	Marine water	0.025 mg/L
EC: 220-250-6	Intermittent	1 mg/L	Sediment (Fresh water)	1.25 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.125 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	Not relevant	Sediment (Marine water)	0.03 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

In accordance with the order of importance to control professional exposure 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 <<UKCA marking>> or <<CE marking>>. 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.

B.- Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	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.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low -density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	Replace the gloves at any sign of deterioration.

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	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	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

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:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply): 17.3 % weight

V.O.C. density at 20 ºC: Not relevant

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Viscous
Colour:	Grey
Odour:	Characteristic
Odour threshold:	Not available *

Volatility:

Boiling point at atmospheric pressure:	77 - 331 ºC
Vapour pressure at 20 ºC:	1225 Pa
Vapour pressure at 50 ºC:	5476.76 Pa (5.48 kPa)
Evaporation rate at 20 ºC:	Not available *

Product description:

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

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Density at 20 ºC:	Not available *
Relative density at 20 ºC:	Not available *
Dynamic viscosity at 20 ºC:	Not available *
Kinematic viscosity at 20 ºC:	Not available *
Kinematic viscosity at 40 ºC:	>20.5 mm²/s
Concentration:	Not available *
pH:	Not available *
Vapour density at 20 ºC:	Not available *
Partition coefficient n-octanol/water 20 ºC:	Not available *
Solubility in water at 20 ºC:	Not available *
Solubility properties:	Not available *
Decomposition temperature:	Not available *
Melting point/freezing point:	Not available *
Flammability:	
Flash Point:	30 ºC
Flammability (solid, gas):	Not available *
Autoignition temperature:	238 ºC
Lower flammability limit:	Not available *
Upper flammability limit:	Not available *
Particle characteristics:	
Median equivalent diameter:	Not available *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not available *
Oxidising properties:	Not available *
Corrosive to metals:	Not available *
Heat of combustion:	Not available *
Aerosols-total percentage (by mass) of flammable components:	Not available *
Other safety characteristics:	
Surface tension at 20 ºC:	Not available *
Refraction index:	Not available *
Total lead:	0 ppm

*Not available 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 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated 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	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

- CONTINUED ON NEXT PAGE -

CAPELLA

SECTION 10: STABILITY AND REACTIVITY (continued)

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

Contains susbstances highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock- and heat-sensitive.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

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:

A- 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.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous 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

C- 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.

D- 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 hazardous for the effects mentioned. For more information see section 3.
  IARC: styrene (2A); 2-butoxyethanol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: May damage the foetus. Suspected to impair fertility

E- 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.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

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

H- Aspiration hazard:

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

Other information:

Not relevant

- CONTINUED ON NEXT PAGE -

CAPELLA

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
styrene CAS: 100-42-5 EC: 202-851-5	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	11.8 mg/L	Rat
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	LD50 oral	4100 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation vapour	>20 mg/L	
2,2´-(m-tolylimino)diethanol CAS: 91-99-6 EC: 202-114-8	LD50 oral	500 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	
2-butoxyethanol CAS: 111-76-2 EC: 203-905-0	LD50 oral	1200 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	11 mg/L	
N-ethyl-2-pyrrolidone CAS: 2687-91-4 EC: 220-250-6	LD50 oral	3200 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation vapour	>20 mg/L	
maleic anhydride CAS: 108-31-6 EC: 203-571-6	LD50 oral	1090 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation dust	>5 mg/L	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	35294.12 mg/kg (Calculation method)	0 %
Dermal	>2000 mg/kg (Calculation method)	0 %
LC50 inhalation vapour	73.42 mg/L (4 h) (Calculation method)	0 %

SECTION 12: ECOLOGICAL INFORMATION

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

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

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
styrene	LC50	64.7 mg/L (96 h)	Carassius auratus	Fish
CAS: 100-42-5	EC50	4.7 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	67 mg/L (192 h)	Microcystis aeruginosa	Algae
Ethyl acetate	LC50	230 mg/L (96 h)	Pimephales promelas	Fish
CAS: 141-78-6	EC50	717 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	3300 mg/L (48 h)	Scenedesmus subspicatus	Algae
2-butoxyethanol	LC50	1490 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 111-76-2	EC50	1815 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
styrene	NOEC	Not relevant		
CAS: 100-42-5	NOEC	1.01 mg/L	Daphnia magna	Crustacean
Ethyl acetate	NOEC	9.65 mg/L	Pimephales promelas	Fish
CAS: 141-78-6	NOEC	2.4 mg/L	Daphnia magna	Crustacean
2-butoxyethanol	NOEC	100 mg/L	Danio rerio	Fish
CAS: 111-76-2	NOEC	100 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

- CONTINUED ON NEXT PAGE -

CAPELLA

SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Degradability		Biodegradability	
styrene	BOD5	1.96 g O2/g	Concentration	100 mg/L
CAS: 100-42-5	COD	2.8 g O2/g	Period	14 days
EC: 202-851-5	BOD5/COD	0.7	% Biodegradable	100 %
Ethyl acetate	BOD5	1.36 g O2/g	Concentration	100 mg/L
CAS: 141-78-6	COD	1.69 g O2/g	Period	14 days
EC: 205-500-4	BOD5/COD	0.8	% Biodegradable	83 %
2-butoxyethanol	BOD5	0.71 g O2/g	Concentration	100 mg/L
CAS: 111-76-2	COD	2.2 g O2/g	Period	14 days
EC: 203-905-0	BOD5/COD	0.32	% Biodegradable	96 %
maleic anhydride	BOD5	Not relevant	Concentration	33.33 mg/L
CAS: 108-31-6	COD	Not relevant	Period	29 days
EC: 203-571-6	BOD5/COD	Not relevant	% Biodegradable	98.19 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
styrene	BCF	14
CAS: 100-42-5	Pow Log	2.95
EC: 202-851-5	Potential	Low
Ethyl acetate	BCF	30
CAS: 141-78-6	Pow Log	0.73
EC: 205-500-4	Potential	Moderate
2-butoxyethanol	BCF	3
CAS: 111-76-2	Pow Log	0.83
EC: 203-905-0	Potential	Low
maleic anhydride	BCF	
CAS: 108-31-6	Pow Log	-2.61
EC: 203-571-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
styrene	Koc	Not relevant	Henry	Not relevant
CAS: 100-42-5	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	3.21E-2 N/m (25 ºC)	Moist soil	Not relevant
Ethyl acetate	Koc	59	Henry	13.58 Pa·m³/mol
CAS: 141-78-6	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.324E-2 N/m (25 ºC)	Moist soil	Yes
2-butoxyethanol	Koc	8	Henry	1.621E-1 Pa·m³/mol
CAS: 111-76-2	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	2.729E-2 N/m (25 ºC)	Moist soil	Yes
maleic anhydride	Koc	42	Henry	0E+0 Pa·m³/mol
CAS: 108-31-6	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	1.673E-2 N/m (250.21 ºC)	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

- CONTINUED ON NEXT PAGE -

CAPELLA

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Code	Description	Waste class
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

Type of waste:

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 The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 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-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:



14.1	**UN number:**	UN3269
14.2	**UN proper shipping name:**	POLYESTER RESIN KIT, liquid base material
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**	
	Tunnel restriction code:	E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 41-22:



14.1	**UN number:**	UN3269
14.2	**UN proper shipping name:**	POLYESTER RESIN KIT, liquid base material
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:	340, 236
	EmS Codes:	F-E, S-D
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
	Segregation group:	Not relevant
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2025:

- CONTINUED ON NEXT PAGE -

CAPELLA

SECTION 14: TRANSPORT INFORMATION (continued)



14.1	**UN number:**	UN3269
14.2	**UN proper shipping name:**	POLYESTER RESIN KIT, liquid base material
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**	
	Physico-Chemical properties:	see section 9
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Not relevant

SECTION 15: REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

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

Product classified hazardous under the CMR. Sale and distribution to the general public is prohibited. Due to its CMR category, it is essential to apply the specific measures for workplace hazard prevention covered in articles 4 and 5 of the 2004/37/EC Directive and later modifications.
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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H360Df: May damage the unborn child. Suspected of damaging fertility.
H372: Causes damage to organs through prolonged or repeated exposure (Inhalation). Organs affected: Ear.
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

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

- CONTINUED ON NEXT PAGE -

CAPELLA

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H332 - Harmful if inhaled.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
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. 1B: H360Df - May damage the unborn child. Suspected of damaging fertility.
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.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

Skin Irrit. 2: Calculation method
Repr. 1B: Calculation method
STOT RE 1: 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:

Training is recommended in order to prevent industrial risks 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

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -