

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MasterMix Glassfibre Putty

Version	Revision Date:	SDS Number:	Date of last issue: 27.10.2025
2.0	07.11.2025	MAT0PL400903 IE/EN	Date of first issue: 27.10.2025

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

#### 1.1 Product identifier

Trade name : MasterMix Glassfibre Putty  
Product code : 40090312

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

Use of the Sub-  
stance/Mixture : PC9a: Coatings and paints, thinners, paint removers  
Recommended restrictions : Reserved for industrial and professional use.  
on use

#### 1.3 Details of the supplier of the safety data sheet

Company : Kansai Plascon  
Frederick Cooper Drive 10  
Factoria, Krugersdorp  
South Africa  
www.plascon.com  
Telephone Company : 2711 951 4500  
2783 991 5782  
Telefax Company : 2711 955 2841  
Responsible/issuing person : 2711 951 4500  
2783 991 5782  
mmundondo@kansaiplascon.co.za

#### 1.4 Emergency telephone number

- emergency number (for cases of poisoning, national number - like 911)  
The National Poisons Information Centre, Ireland: 01 809 2166  
National Emergency Health Line: 999

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.

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Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Reproductive toxicity, Category 2	H361d: Suspected of damaging the unborn child.
Specific target organ toxicity - repeated exposure, Category 1	H372: Causes damage to organs through prolonged or repeated exposure.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	  
Signal word	:	Danger
Hazard statements	:	H226 Flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H361d Suspected of damaging the unborn child. H372 Causes damage to organs through prolonged or repeated exposure.
Precautionary statements	:	<b>Prevention:</b> P201 Obtain special instructions before use. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe mist or vapours. P264 Wash skin thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.  <b>Response:</b> P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

#### Hazardous components which must be listed on the label:

styrene  
cobalt bis(2-ethylhexanoate)  
maleic anhydride  
cobalt(2+) propionate

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
styrene	100-42-5 202-851-5 601-026-00-0 01-2119457861-32	Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Repr. 2; H361d STOT SE 3; H335 (Respiratory system) STOT RE 1; H372 (hearing organs) Asp. Tox. 1; H304 Aquatic Chronic 3; H412	$\geq 10 - < 20$
cobalt bis(2-ethylhexanoate)	136-52-7 205-250-6  01-2119524678-29	Eye Irrit. 2; H319 Skin Sens. 1A; H317 Repr. 1B; H360D Aquatic Acute 1; H400 Aquatic Chronic 3; H412	$\geq 0.025 - < 0.1$
maleic anhydride	108-31-6 203-571-6 607-096-00-9 01-2119472428-31	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Resp. Sens. 1; H334 STOT RE 1; H372 (Respiratory system) EUH071  specific concentration limit Skin Sens. 1A; H317 $\geq 0.001 \%$	$\geq 0.001 - < 0.1$

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cobalt(2+) propionate	1560-69-6 01-2119532653-41	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319 Skin Sens. 1A; H317 Repr. 1B; H360Fd Aquatic Acute 1; H400 Aquatic Chronic 2; H411  Acute toxicity estimate  Acute oral toxicity: 354.7 mg/kg	$\geq 0.0025 - < 0.025$
Substances with a workplace exposure limit :			
Talc	14807-96-6 238-877-9 01-2120140278-58		$\geq 30 - < 50$

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

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

Risks : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Suspected of damaging the unborn child.  
Causes damage to organs through prolonged or repeated exposure.

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

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

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

Hazardous combustion products : No hazardous combustion products are known

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### 5.3 Advice for firefighters

## SECTION 6: Accidental release measures

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

### 6.2 Environmental precautions

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

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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

### 7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Talc	14807-96-6	OELV - 8 hrs (TWA) (Respirable dust)	0.8 mg/m <sup>3</sup>	IE OEL
		OELV - 8 hrs (TWA) (inhalable dust)	10 mg/m <sup>3</sup>	IE OEL
		TWA (Respirable dust)	0.1 mg/m <sup>3</sup>	2004/37/EC
Further information: Carcinogens or mutagens				
styrene	100-42-5	OELV - 15 min (STEL)	40 ppm 170 mg/m <sup>3</sup>	IE OEL
		OELV - 8 hrs (TWA)	20 ppm 85 mg/m <sup>3</sup>	IE OEL
Limestone	1317-65-3	OELV - 8 hrs (TWA) (Respirable dust)	4 mg/m <sup>3</sup>	IE OEL
		OELV - 8 hrs (TWA) (inhalable dust)	10 mg/m <sup>3</sup>	IE OEL

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cobalt bis(2-ethylhexanoate)	136-52-7	OELV - 8 hrs (TWA)	0.02 mg/m3 (Cobalt)	IE OEL
	Further information: Chemical agents which following exposure may cause sensitisation of the respiratory tract and lead to asthma, rhinitis or extrinsic allergic alveolitis, Carc 1B - Substances presumed to have carcinogenic potential for humans, Repr 1B - Substances which are presumed human reproductive toxicants			
maleic anhydride	108-31-6	OELV - 8 hrs (TWA) (Inhalable fraction and vapour)	0.01 ppm	IE OEL
	Further information: Chemical agents which following exposure may cause sensitisation of the respiratory tract and lead to asthma, rhinitis or extrinsic allergic alveolitis			
cobalt(2+) propionate	1560-69-6	OELV - 8 hrs (TWA)	0.02 mg/m3 (Cobalt)	IE OEL
	Further information: Chemical agents which following exposure may cause sensitisation of the respiratory tract and lead to asthma, rhinitis or extrinsic allergic alveolitis, Carc 1B - Substances presumed to have carcinogenic potential for humans, Repr 1B - Substances which are presumed human reproductive toxicants			

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health effects	Value
Talc	Workers	Inhalation	Acute systemic effects	2.16 mg/m3
	Workers	Inhalation	Acute local effects	3.6 mg/m3
	Consumers	Inhalation	Acute systemic effects	1.08 mg/m3
	Consumers	Inhalation	Acute local effects	1.8 mg/m3
	Consumers	Dermal	Long-term local effects	2.27 mg/cm2
	Workers	Dermal	Long-term local effects	4.54 mg/cm2
	Consumers	Oral	Long-term systemic effects	160 mg/kg bw/day
	Consumers	Oral	Acute systemic effects	160 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	43.2 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	21.6 mg/kg bw/day
styrene	Workers	Inhalation	Acute systemic effects	100 mg/m3
	Workers	Inhalation	Acute local effects	100 mg/m3
	Workers	Inhalation	Long-term systemic effects	85 mg/m3
	Consumers	Inhalation	Acute systemic effects	10 mg/m3
	Consumers	Inhalation	Acute local effects	10 mg/m3

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	Consumers	Inhalation	Long-term systemic effects	1 mg/m3
	Workers	Inhalation	Long-term local effects	100 mg/m3
	Workers	Inhalation	Long-term local effects	1 mg/m3
	Workers	Dermal	Long-term systemic effects	406 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	343 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	0.0077 mg/kg bw/day
cobalt bis(2-ethylhexanoate)	Workers	Inhalation	Long-term systemic effects	0.2351 mg/m3
	Consumers	Inhalation	Long-term local effects	0.037 mg/m3
	Consumers	Oral	Long-term systemic effects	0.0276 mg/kg bw/day
cobalt(2+) propionate	Workers	Inhalation	Long-term local effects	0.1392 mg/m3
	Consumers	Inhalation	Long-term local effects	0.0219 mg/m3
	Consumers	Oral	Long-term systemic effects	0.1038 mg/kg bw/day

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
Talc	Marine water	141.26 mg/l
	Fresh water	597.97 mg/l
	Marine sediment	3.13 mg/kg dry weight (d.w.)
	Fresh water sediment	31.33 mg/kg dry weight (d.w.)
	Intermittent use/release	597.97 mg/l
styrene	Soil	0.146 - 0.200 mg/kg dry weight (d.w.)
	Marine water	0.014 - 0.040 mg/l
	Fresh water	0.028 - 0.040 mg/l
	Marine sediment	0.307 - 0.418 mg/kg dry weight (d.w.)
	Fresh water sediment	0.418 - 0.614 mg/kg dry weight (d.w.)
	Sewage treatment plant	5 mg/l
cobalt bis(2-ethylhexanoate)	Soil	10.9 mg/kg dry weight (d.w.)
	Marine water	0.00236 mg/l

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	Fresh water	0.0006 mg/l
	Marine sediment	9.5 mg/kg dry weight (d.w.)
	Fresh water sediment	9.5 mg/kg dry weight (d.w.)
	Sewage treatment plant	0.37 mg/l
cobalt(2+) propionate	Fresh water	0.000620 mg/l
	Marine water	0.00236 mg/l
	Sewage treatment plant	0.370 mg/l
	Fresh water sediment	53.8 mg/kg dry weight (d.w.)
	Marine sediment	69.8 mg/kg dry weight (d.w.)
	Soil	10.9 mg/kg dry weight (d.w.)

### 8.2 Exposure controls

#### Personal protective equipment

Respiratory protection : Wear a full face respirator conforming to EN136 with Type A/P2 filter or better.  
Self-contained closed-circuit breathing apparatus compressed (EN 145)  
In the case of aerosol and mist formation use an approved respirator filter (EN 141).

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : viscous liquid

Colour : green

Odour : solvent-like

Odour Threshold : No data available

Melting point/freezing point : -31.0 °C (calculation method (principal components, lowest value))

Boiling point/boiling range : 145 °C (calculation method (principal components, lowest value))

Flammability : Static-accumulating flammable liquid., Combustible Solids

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Upper explosion limit / Upper flammability limit : 8 %(V)  
(calculation method (principal components, highest value))

Lower explosion limit / Lower flammability limit : 1.1 %(V)  
(calculation method (principal components, highest value))

Flash point : 31 °C  
Method: ISO 3679, closed cup

Ignition temperature : 490 °C(calculation method (principal components, highest value))

Decomposition temperature : No decomposition if stored and applied as directed.  
Hazardous decomposition products formed under fire conditions.

pH : Not applicable

substance/mixture is non-polar/aprotic

Viscosity  
Viscosity, kinematic : > 20.5 mm<sup>2</sup>/s (40 °C)

Flow time : > 60 s at 23 °C  
Cross section: 6 mm  
Method: ISO 2431

Solubility(ies)  
Water solubility : immiscible

partly soluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : log Pow: 2.95(calculation method (principal components, highest value))

Vapour pressure : < 0.01 hPa(calculation method (principal components, highest value))

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Relative density : No data available

Density : 1.64 - 1.72 g/cm<sup>3</sup>

Relative vapour density : No data available

### 9.2 Other information

Explosives : Not applicable

Oxidizing properties : Sustains combustion

Evaporation rate : No data available

VOC : (Directive 2004/42/EC)  
250 g/l

(Directive 2010/75/EU of 24 November 2010 on industrial and  
livestock rearing emissions (integrated pollution prevention  
and control))  
0.24 %

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents  
Strong reducing agents

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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### SECTION 11: Toxicological information

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

##### Acute toxicity

Not classified due to lack of data.

##### Product:

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

##### Components:

##### **styrene:**

Acute oral toxicity : LD50 Oral (Rat): >= 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): >= 24 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 2,650 mg/kg

##### **maleic anhydride:**

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

##### **cobalt(2+) propionate:**

Acute oral toxicity : LD50 Oral (Rat): 354.7 mg/kg

Acute inhalation toxicity : Assessment: The component/mixture is moderately toxic after short term inhalation.

##### **Skin corrosion/irritation**

Causes skin irritation.

##### Components:

##### **styrene:**

Result : irritating

##### **maleic anhydride:**

Result : Corrosive after 3 minutes to 1 hour of exposure

##### **Serious eye damage/eye irritation**

Causes serious eye irritation.

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### Components:

#### **styrene:**

Result : Eye irritation

#### **cobalt bis(2-ethylhexanoate):**

Result : Eye irritation

#### **cobalt(2+) propionate:**

Result : Eye irritation

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

Not classified due to lack of data.

### Components:

#### **cobalt bis(2-ethylhexanoate):**

Result : The product is a skin sensitiser, sub-category 1A.

#### **maleic anhydride:**

Result : Probability of respiratory sensitisation in humans based on animal testing

Result : Probability or evidence of skin sensitisation in humans

#### **cobalt(2+) propionate:**

Result : The product is a skin sensitiser, sub-category 1A.

### **Germ cell mutagenicity**

Not classified due to lack of data.

### **Carcinogenicity**

Not classified due to lack of data.

### **Reproductive toxicity**

Suspected of damaging the unborn child.

### Components:

#### **styrene:**

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility ,and/or on development, based on animal experiments.

#### **cobalt(2+) propionate:**

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Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility ,based on animal experiments.  
Some evidence of adverse effects on development, based on animal experiments.

### STOT - single exposure

Not classified due to lack of data.

#### Components:

##### styrene:

Assessment : May cause respiratory irritation.

### STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

#### Components:

##### styrene:

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

##### maleic anhydride:

Assessment : May cause damage to organs through prolonged or repeated exposure.

### Aspiration toxicity

Not classified due to lack of data.

#### Components:

##### styrene:

May be fatal if swallowed and enters airways.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **styrene:**

Toxicity to fish : LC50 (Fish):  $\geq 10 - 12$  mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)):  $\geq 4.7$  mg/l

##### **Ecotoxicology Assessment**

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

##### **cobalt bis(2-ethylhexanoate):**

##### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

##### **maleic anhydride:**

Toxicity to fish : LC50 : 75 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 10 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

##### **cobalt(2+) propionate:**

Toxicity to fish : LC50 (Fish): 1.5 mg/l

Toxicity to algae/aquatic plants : EC50 (Scenedesmus capricornutum (fresh water algae)): 197  $\mu$ g/l

EC50 (Champia parvula (marine algae)): 24,1  $\mu$ g/l

EC10 (Scenedesmus capricornutum (fresh water algae)): 66,9  $\mu$ g/l

EC10 (Champia parvula (marine algae)): 1,23  $\mu$ g/l

Toxicity to microorganisms : EC50 : 120 mg/l

EC10 : 3.73 mg/l

Toxicity to fish (Chronic tox- : NOEC: 351,4  $\mu$ g/l

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icity) Species: Fish  
NOEC: 31.802 mg/l  
Species: Marine species

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.  
Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

#### Components:

##### styrene:

Biodegradability : Test Type: aerobic  
Readily biodegradable.  
Test Type: anaerobic  
According to the results of tests of biodegradability this product is not readily biodegradable.

Physico-chemical removability : The product evaporates readily.  
Readily biodegradable.

Stability in water : Hydrolyses slowly.

Photodegradation : Decomposes rapidly in contact with light.

##### maleic anhydride:

Biodegradability : Result: Biodegradable  
Biodegradation: 90 %  
Exposure time: 25 d  
Method: OECD Test Guideline 301B

Stability in water : Hydrolyses readily.

Photodegradation :

### 12.3 Bioaccumulative potential

#### Components:

##### styrene:

Bioaccumulation : Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 2.95

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### maleic anhydride:

Bioaccumulation : Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: -2.61 (20 °C)

### 12.4 Mobility in soil

#### Components:

#### styrene:

Mobility : Medium: Air  
Content: 98.6 %  
: Medium: Water  
Content: 1.21 %  
: Medium: Sediment  
Content: 0.09 %  
: Medium: Soil  
Content: 0.09 %

#### maleic anhydride:

Mobility : Medium: Water  
Content: 100 %  
: Medium: Soil  
Content: 0 %  
Distribution among environmental compartments : Koc: 42, log Koc: 1.63

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### 12.7 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste Code : 08 01 11, waste paint and varnish containing organic solvents  
or other hazardous substances

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN	: UN 3269
ADR	: UN 3269
RID	: UN 3269
IMDG	: UN 3269
IATA	: UN 3269

### 14.2 UN proper shipping name

ADN	: POLYESTER RESIN KIT
ADR	: POLYESTER RESIN KIT
RID	: POLYESTER RESIN KIT
IMDG	: POLYESTER RESIN KIT
IATA	: Polyester resin kit

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADN	: 3	
ADR	: 3	
RID	: 3	
IMDG	: 3	
IATA	: 3	

### 14.4 Packing group

ADN	
Packing group	: III
Classification Code	: F1
Labels	: 3
ADR	

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Packing group : III  
Classification Code : F1  
Labels : 3  
Tunnel restriction code : (E)

### RID

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

### IMDG

Packing group : III  
Labels : 3  
EmS Code : F-E, S-D

### IATA (Cargo)

Packing instruction (cargo aircraft) : 370  
Packing instruction (LQ) : Y370  
Packing group : III  
Labels : Flammable Liquids

### IATA (Passenger)

Packing instruction (passenger aircraft) : 370  
Packing instruction (LQ) : Y370  
Packing group : III  
Labels : Flammable Liquids

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : no

### ADR

Environmentally hazardous : no

### RID

Environmentally hazardous : no

### IMDG

Marine pollutant : no

## 14.6 Special precautions for user

Remarks : ADR: Packages smaller than or equal to 450 litres, not goods/merchandise of Class 3  
IMDG: Packages smaller than or equal to 450 litres, not goods/merchandise of Class 3; "transport acc. IMDG-code 2.3.2.5"

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 3

Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor.

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EU) No 2024/590 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P5c FLAMMABLE LIQUIDS

Volatile organic compounds : Directive 2004/42/EC  
Volatile organic compounds (VOC) content: 250 g/l

Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 0.24 %

#### Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations,

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where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

H226	: Flammable liquid and vapour.
H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H334	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	: May cause respiratory irritation.
H360D	: May damage the unborn child.
H360Fd	: May damage fertility. Suspected of damaging the unborn child.
H361d	: Suspected of damaging the unborn child.
H372	: Causes damage to organs through prolonged or repeated exposure.
H372	: Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	: Very toxic to aquatic life.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.
EUH071	: Corrosive to the respiratory tract.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Repr.	: Reproductive toxicity
Resp. Sens.	: Respiratory sensitisation
Skin Corr.	: Skin corrosion
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure

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- 2004/37/EC : Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens, mutagens or reprotoxic substances at work - Annex III
- IE OEL : Ireland. List of Chemical Agents and Carcinogens with Occupational Exposure Limit Values - Code of Practice, Schedule 1 and 2
- 2004/37/EC / TWA : Long term exposure limit
- IE OEL / OELV - 8 hrs (TWA) : Occupational exposure limit value (8-hour reference period)
- IE OEL / OELV - 15 min (STEL) : Occupational exposure limit value (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

#### Classification procedure:

Flam. Liq. 3	H226	Based on product data or assessment
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method

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Repr. 2	H361d	Calculation method
STOT RE 1	H372	Calculation method

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