

## SECURITY DATA SHEET

Updating date: 30.03.2023

Version: 1.2

(\*\*) Indicates changes from the previous version

### SECTION 1. IDENTIFICATION OF THE PRODUCT

**1.1 Product identifier:** **BOSS FIX Polyester resin + Peroxide 1kg**  
Other forms of identification: **090062**

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

Use of the Substance/Mixture: Resins.

Recommended restrictions on use: Reserved for industrial and professional use.

**1.3 Details of the supplier of the safety data sheet:** (See SDS Headline).

**1.4 Emergency telephone:** 93 860 49 23 (8:30-13:00) (15:00-17:30).

### SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture:**  
**Classification (REGULATION (EC) No1272/2008)**

Flammable liquids, Category 3

Skin irritation, Category 2

Eye irritation, Category 2

Reproductive toxicity, Category 2

Specific target organ toxicity - single exposure,  
Category 3, Respiratory system

Specific target organ toxicity - repeated exposure,  
Category 1

Long-term (chronic) aquatic hazard, Category 3

H226: Flammable liquid and vapor.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H361d: Suspected of damaging the unborn child.

H335: May cause respiratory irritation.

H372: Causes damage to organs through pro-longed or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

**2.2 Label elements:**

**Labeling (REGULATION (EC) No1272/2008)**

**Hazard pictograms:**



**Signal word:**

Danger.

**Hazard Statements:**

H226: Flammable liquid and vapor.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H361d: Suspected of damaging the unborn child.

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

H412: Harmful to aquatic life with long lasting effects.

**Precautionary Statements:**

Prevention:

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 dust/ mist/ vapours.

P271: Use only outdoors or in a well-ventilated area.

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

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Hazardous ingredients which must be listed on the label:**

Styrene.

### 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.

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

### 3.1 Substance:

Non-applicable.

### 3.2 Mixtures:

**Chemical nature:** Mixture Resin.

Identification		Chemical name/ Classification	Concentration(%w/w)
CAS-No: EC-No: Index-No: Reg.Number:	100-42-5 202-851-5 601-026-00-0 01-2119457861-32	<b>Styrene</b>	>= 30 - < 50
		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. Acute toxicity estimate: Acute inhalation toxicity (vapor): 11,8mg/l.	
CAS-No: EC-No: Index-No: Reg.Number:	130-15-4 204-977-6 01-2120760462-57	<b>1,4-naphthoquinone</b>	>=0.01- <0.1
		Acute Tox.3: H301; Acute Tox.1: H330; Skin Corr.1C: H314; Eye Dam.1: H318; Skin Sens.1: H317; STOT SE 3: H335 (Respiratory system); Aquatic Acute 1: H400; Aquatic Chronic 1: H410. M-Factor (Acute aquatic toxicity): 10. M-Factor (Chronic aquatic toxicity): 1. Acute toxicity estimate: Acute oral toxicity: 124 mg/kg. Acute inhalation toxicity (dust/mist): 0.046 mg/l.	

For explanation of abbreviations see section 16.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first-aid measures:

**General advice:**

In the case of accident or if you feel unwell, seek medical advice immediately.

Move out of dangerous area.

Take off contaminated clothing and shoes immediately.

Do not leave the victim unattended.  
Symptoms of poisoning may appear several hours later.  
Show this material safety data sheet to the doctor in attendance.

**Protection of first-aiders:**

First Aid responders should pay attention to self-protection and use the recommended protective clothing.

**If inhaled:**

Move to fresh air.  
Keep patient warm and at rest.  
If breathing is irregular or stopped, administer artificial respiration.  
Call a physician immediately.

**In case of skin contact:**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
Call a physician if irritation develops or persists.

**In case of eye contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Keep eye wide open while rinsing.  
If easy to do, remove contact lens, if worn.  
Consult a physician.

**If swallowed:**

Rinse mouth with water.  
Do NOT induce vomiting.  
Call a physician immediately.

**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:**

**Treatment:**

Treat symptomatically.  
Keep under medical supervision for at least 48 hours.

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**SECTION 5. FIREFIGHTING MEASURES**

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**5.1 Extinguishing media:**

**Suitable extinguishing media:**

Carbon dioxide (CO<sub>2</sub>).  
Dry powder.  
Water spray jet.  
Alcohol-resistant foam.

**Unsuitable extinguishing media:**

High volume water jet.

**5.2 Special hazards arising from the substance or mixture:**

**Specific hazards during fire fighting:**

Build-up of dangerous/ toxic fumes possible in cases of fire/ high temperature.

**Hazardous combustion products:**

Hazardous decomposition products due to incomplete combustion.  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### 5.3 Advice for firefighters:

#### Special protective equipment for fire-fighters:

In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

#### Further information:

Use water spray to cool unopened containers.  
Collect contaminated fire extinguishing water separately.  
This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

#### Personal precautions:

Wear personal protective equipment.  
Evacuate personnel to safe areas.  
Ensure adequate ventilation, especially in confined areas.  
Remove all sources of ignition.  
Do not smoke.  
Avoid contact with skin, eyes and clothing.  
Sweep up to prevent slipping hazard.  
In the case of vapor formation use a respirator with an approved filter.

### 6.2 Environmental precautions:

#### Environmental precautions:

Do not flush into surface water or sanitary sewer system.  
Local authorities should be advised if significant spillages cannot be contained.

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

#### Methods for cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.  
Do not flush with water.

### 6.4 Reference to other sections:

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

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## SECTION 7. HANDLING AND STORAGE

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### 7.1 Precautions for safe handling:

#### Advice on safe handling:

Keep container closed when not in use.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Wear personal protective equipment.

#### Advice on protection against fire and explosion:

Vapors may form explosive mixtures with air.  
Keep away from open flames, hot surfaces and sources of ignition.  
Do not smoke.  
Take measures to prevent the build up of electrostatic charge.  
Use explosion-proof equipment.

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

### Requirements for storage areas and containers:

Store in original container.

Keep containers tightly closed in a dry, cool and well-ventilated place.

### Further information on storage conditions:

Keep away from heat and sources of ignition.

Protect from moisture.

Keep away from direct sunlight.

Do not store at temperatures above 30°C/86°F.

### Advice on common storage:

Incompatible with oxidizing agents.

Keep away from food and drink.

## 7.3 Specific end use(s):

### Specific use(s):

Not data available.

## SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 Control parameters:

#### Occupational Exposure Limits:

Identification	Value type (Form of exposure)	Control parameters	Basis
Styrene CAS-No: 100-42-5	AGW	20 ppm - 86 mg/m <sup>3</sup>	DE TRGS 900
	Peak-limit category: 2; (II).		
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child.		

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

Identification	Routes of exposure	Potential health effects	Value
Styrene CAS-No: 100-42-5	Dermal	Long-term systemic effects, Chronic effects	406 mg/kg bw/day
	Inhalation	Long-term systemic effects, Chronic effects	85 mg/m <sup>3</sup>
	Inhalation	Acute systemic effects, Chronic effects	289 mg/m <sup>3</sup>
	Inhalation	Acute local effects, Short-term exposure	306 mg/m <sup>3</sup>

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

Identification	Routes of exposure	Potential health effects	Value
Styrene CAS-No: 100-42-5	Oral	Long-term systemic effects, Chronic effects	2,1 mg/kg bw/day
	Dermal	Long-term systemic effects, Chronic effects	343 mg/kg bw/day
	Inhalation	Long-term systemic effects, Chronic effects	10,0 mg/m <sup>3</sup>
	Inhalation	Acute systemic effects, Short-term exposure	174,25 mg/m <sup>3</sup>
	Inhalation	Acute local effects, Short-term exposure	182,75 mg/m <sup>3</sup>

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

Identification	Environmental Compartment	Value
Styrene CAS-No: 100-42-5	Fresh water	0,028 mg/l
	Sea water	0,014 mg/l
	Fresh water sediment	0,614 mg/kg dry weight (d.w.)
	Sea sediment	0,307 mg/kg dry weight (d.w.)
	Soil	0,2 mg/kg dry weight (d.w.)
	Sewage treatment plant	5 mg/l

### 8.2 Exposure controls:

#### A. - Eye protection:

Safety glasses with side-shields conforming to EN166.

**B.- Hand protection:**

Material: Fluorinated rubber.

Break through time: &gt;480 min.

Glove thickness:  $\geq$  0,4 mm.

Directive: DIN EN 374.

Protective index: Class 6.

Remarks: Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Preventive skin protection Butyl gloves are not suitable. Nitrile gloves are not suitable. Avoid natural rubber gloves.

**C.- Skin and body protection:**

Please wear suitable protective clothing, e.g. made of cotton or heat-resistant synthetic fibres. Long sleeved clothing.

**D.- Respiratory protection:**

Apply technical measures to comply with the occupational exposure limits.

Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

Filter type: Combined particulates and organic vapor type (A-P).

**E.- Protective measures:**

Ensure that eye flushing systems and safety showers are located close to the working place.

Avoid contact with the skin and the eyes.

Use only with adequate ventilation.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**9.1 Information on basic physical and chemical properties:**

Physical state:	Liquid.
Color:	Amber.
Odor:	Characteristic.
Melting point/range:	-31°C Valor literario de estireno.
Boiling point/boiling range:	145°C (1.013 hPa) Literary value styrene.
Upper explosion limit/ Upper flammability limit:	6,1%(V) Literary value styrene.
Lower explosion limit/ Lower flammability limit:	1,1%(V) Literary value styrene.
Flash point:	31°C (1.013 hPa) Literary value styrene.
Autoignition temperature:	490°C (1.013 hPa) Literary value styrene.
pH:	No data available substance/mixture is non-soluble (in water).
Viscosity, dynamic:	750 mPa.s (23°C).
Viscosity, kinematic:	750 mm <sup>2</sup> /s (23°C).
Water solubility:	Insoluble.
Partition coefficient: n-octanol/water:	log Pow: 2.96 (25°C) Literary value styrene.
Vapor pressure:	6 hPa (20°C).
Density:	Not determined.

**9.2 Other information:**

No data available.

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**SECTION 10. STABILITY AND REACTIVITY**

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**10.1 Reactivity:**

No decomposition if used as directed.

**10.2 Chemical stability:**

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions:

Avoid radical-forming starting agents, peroxides and reactive metals.  
Polymerization can occur. Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers.

### 10.4 Conditions to avoid:

Heat, flames and sparks.  
Strong sunlight for prolonged periods.

### 10.5 Incompatible materials:

Strong acids and oxidizing agents polymerization initiators.  
Copper.  
Copper alloys  
Brass.

### 10.6 Hazardous decomposition products:

Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.

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## SECTION 11. TOXICOLOGICAL INFORMATION\*\*

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### 11.1 Information on hazard classes as defined in Regulation (EC) No1272/2008:

#### A- Acute toxicity:

Not classified based on available information.

Product:

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

Components:

#### Styrene:

- Acute oral toxicity: LD50 Oral (Rat): 5.000 mg/kg.

- Acute inhalation toxicity: LC50 (Rat): 11,8 mg/l. Exposure time: 4h. Test atmosphere: vapor. Acute toxicity estimate: 11,8 mg/l. Test atmosphere: vapor. Method: Calculation method.

- Acute dermal toxicity: LD50 Dermal (Rat): >2.000 mg/kg. Method: OECD Test Guideline 402.

#### 1,4-naphthoquinone:

- Acute oral toxicity: LD50 Oral (Rat): 124 mg/kg. Acute toxicity estimate: 124 mg/kg. Method: Calculation method.

- Acute inhalation toxicity: LC50 (Rat): 0.046 mg/l. Exposure time: 4h. Test atmosphere: dust/mist. Method: OECD Test Guideline 403. Acute toxicity estimate: 0.046 mg/l. Test atmosphere: dust/mist. Method: Calculation method.

- Acute dermal toxicity: Assessment: The substance or mixture has no acute dermal toxicity. Effects of skin contacts may include: Causes burns.

#### B- Skin corrosion/irritation:

Causes skin irritation.

**Styrene:** Species: Rabbit. Result: Irritating.

**1,4-naphthoquinone:** Result: Causes burns.

#### C- Serious eye damage/eye irritation:

Causes serious eye irritation.

**Styrene:** Species: Rabbit. Result: Irritating.

**1,4-naphthoquinone:** Result: Risk of serious damage to eyes.

#### D- Skin sensitization:

Not classified based on available information.

#### E- Respiratory sensitization:

Not classified based on available information.

**Styrene:** Species: Guinea pig. Result: Does not cause skin sensitization.

**1,4-naphthoquinone:** Result: May cause sensitization by skin contact.

#### F- Germ cell mutagenicity:

Not classified based on available information.

**G- Carcinogenicity:**

Not classified based on available information.

**H- Reproductive toxicity:**

Suspected of damaging the unborn child.

**Styrene:** Reproductive toxicity - Assessment: Suspected of damaging the unborn child. Some evidence of adverse effects on development, based on animal experiments.

**I- STOT-single exposure:**

May cause respiratory irritation.

**Styrene:** Assessment: May cause respiratory irritation.

**1,4-naphthoquinone:** Assessment: May cause respiratory irritation.

**J- STOT-repeated exposure:**

Causes damage to organs (hearing organs) through prolonged or repeated exposure if inhaled.

**Styrene:** Routes of exposure: Inhalation. Target Organs: hearing organs. Assessment: Causes damage to organs through prolonged or repeated exposure.

**K- Aspiration toxicity:**

Not classified based on available information.

**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.

**SECTION 12. ECOLOGICAL INFORMATION\*\***

**12.1 Toxicity:**

**Components:**

<b>Styrene:</b>	
Toxicity to fish:	LC50 (Pimephales promelas (fathead minnow)): 4,02 mg/l. Exposure time: 96h.
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): 4,7 mg/l. Exposure time: 48h. Method: OECD Test Guideline 202.
Toxicity to algae/aquatic plants:	EC50 (Selenastrum capricornutum (green algae)): 4,9 mg/l. Exposure time: 72h. EC10 (Selenastrum capricornutum (green algae)): 0,28 mg/l. Exposure time: 96h.
Toxicity to microorganisms:	EC50 (Natural microorganism): ca. 500 mg/l. Method: OECD Test Guideline 209.
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):	NOEC: 1,01 mg/l. Exposure time: 21d. Species: Daphnia magna (Water flea). Method: OECD Test Guideline 211.
Ecotoxicology Assessment: Chronic aquatic toxicity:	Harmful to aquatic life with long lasting effects.

<b>1,4-naphthoquinone:</b>	
Toxicity to fish:	(Oryzias latipes (Japanese medaka)): 0.045 mg/l. Exposure time: 96h. Method: OECD Test Guideline 203.
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): 0.0261 mg/l. Exposure time: 48h. Method: OECD Test Guideline 202.
Toxicity to algae/aquatic plants:	EC50 (Pseudokirchneriella subcapitata (algae)): 0.42 mg/l. Exposure time: 72h.
M-Factor (Acute aquatic toxicity):	10.
M-Factor (Chronic aquatic toxicity):	1.
Ecotoxicology Assessment: Acute aquatic toxicity:	Very toxic to aquatic life.
Ecotoxicology Assessment: Chronic aquatic toxicity:	Very toxic to aquatic life with long lasting effects.



## 12.2 Persistence and degradability:

### Components:

Styrene:	
Biodegradability:	Result: Readily biodegradable. Biodegradation: 70,9%. Exposure time: 28d.

1,4-naphthoquinone:	
Biodegradability:	Result: Not rapidly biodegradable. Biodegradation: 0%. Exposure time: 28d. Method: OECD Test Guideline 301.

## 12.3 Bioaccumulative potential:

### Components:

Styrene:	
Partition coefficient: n-octanol/water:	log Pow: 2,96 (25°C).

1,4-naphthoquinone:	
Partition coefficient: n-octanol/water:	log Pow: 1,77 (25°C).

## 12.4 Mobility in soil:

No data available.

## 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.
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## 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:

### Product:

Additional ecological information:	No data available.
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## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

#### Product:

Do not dispose of with domestic refuse.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Dispose of in accordance with local regulations.

Dispose of wastes in an approved waste disposal facility.

Send to a licensed waste management company.

#### Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Store containers and offer for recycling of material when in accordance with the local regulations.

Packaging that is not properly emptied must be disposed of as the unused product.

Dispose of in accordance with local regulations.

#### Waste code:

The following Waste Codes are only suggestions: 07 02 08, other still bottoms and reaction residues.

## SECTION 14. TRANSPORT INFORMATION\*\*

### ADN:

<b>14.1 UN number or ID number:</b>	UN1866
<b>14.2 UN proper shipping name:</b>	RESIN SOLUTION
<b>14.3 Transport hazard class(es):</b>	3
<b>14.4 Packaing group:</b>	
Packing group:	III
Classification code:	F1
Hazard Identification Number:	30
Labels:	3
<b>14.5 Environmental hazards:</b>	
Environmentally hazardous:	No

### 14.6 Special precautions for user:

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.

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

Not applicable for product as supplied.

### ADR:

<b>14.1 UN number or ID number:</b>	UN1866
<b>14.2 UN proper shipping name:</b>	RESIN SOLUTION
<b>14.3 Transport hazard class(es):</b>	3
<b>14.4 Packaing group:</b>	
Packing group:	III
Classification code:	F1
Hazard Identification Number:	30
Labels:	3
Tunnel restriction code:	(D/E)
<b>14.5 Environmental hazards:</b>	
Environmentally hazardous:	No

### 14.6. Special precautions for user:

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.

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

Not applicable for product as supplied.

### RID:

<b>14.1 UN number or ID number:</b>	UN1866
<b>14.2 UN proper shipping name:</b>	RESIN SOLUTION
<b>14.3 Transport hazard class(es):</b>	3
<b>14.4 Packaing group:</b>	
Packing group:	III
Classification code:	F1
Hazard Identification Number:	30
Labels:	3
<b>14.5 Environmental hazards:</b>	
Environmentally hazardous:	No

**14.6. Special precautions for user:**

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.

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

Not applicable for product as supplied.

**IMDG:**

<b>14.1 UN number or ID number:</b>	UN1866
<b>14.2 UN proper shipping name:</b>	RESIN SOLUTION
<b>14.3 Transport hazard class(es):</b>	3
<b>14.4 Packaing group:</b>	
Packing group:	III
Labels:	3
EmS Code:	F-E, S-E
<b>14.5 Environmental hazards:</b>	
Marine pollutant:	No

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.

**14.6. Special precautions for user:**

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

Not applicable for product as supplied.

**IATA:**

<b>14.1 UN number or ID number:</b>	UN1866
<b>14.2 UN proper shipping name:</b>	Resin solution
<b>14.3 Transport hazard class(es):</b>	3
<b>14.4 Packing group (Cargo):</b>	
Packing instruction:	366
Packing instruction (LQ):	Y344
Packing group:	III
Labels:	Flammable Liquids
<b>14.4 Packing group (Passanger):</b>	
Packing instruction:	355
Packing instruction (LQ):	Y344
Packing group:	III
Labels:	Flammable Liquids

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.

**14.6 Special precautions for user:**

**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.
REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59).	Not applicable.
REACH - List of substances subject to authorisation (Annex XIV).	Not applicable.

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.	Not applicable.
Regulation (EU) 2019/1021 on persistent organic pollutants (recast).	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.

#### Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, 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 according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

## SECTION 16. OTHER INFORMATION

#### Full text of H-Statements:

H226:	Flammable liquid and vapor.
H301:	Toxic 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.
H330:	Fatal if inhaled.
H332:	Harmful if inhaled.
H335:	May cause respiratory irritation.
H361d:	Suspected of damaging the unborn child.
H372:	Causes damage to organs through prolonged or repeated exposure.
H400:	Very toxic to aquatic life.
H410:	Very toxic to aquatic life with long lasting effects.
H412:	Harmful to aquatic life with long lasting effects.

#### 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.
Skin Corr.:	Skin corrosion.
Skin Irrit.:	Skin irritation.
Skin Sens.:	Skin sensitization.
STOT RE:	Specific target organ toxicity - repeated exposure.
STOT SE:	Specific target organ toxicity - single exposure.
IE OEL:	Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1.
IE OEL/OELV-8hrs (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) No1272/2008.

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 Cooperation 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) No1907/2006 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.
Repr. 2	H361d	Calculation method.
STOT SE 3	H335	Calculation method.
STOT RE 1	H372	Calculation method.
Aquatic Chronic 3	H412	Calculation method.

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, 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.