

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.10.2025

V- 2.0 (replaces version 1.0)

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: CARROSS APPRÊT EPOXY MOUILLÉ****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified use: professional use.

Application of the substance / the mixture Epoxy coating**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**CARROSS SAS
16 rue de Serrières
69540, Irigny, France
Tel +33 (0)1 60 27 20 19
contact@carross.eu**Further information obtainable from:** contact@carross.eu**1.4 Emergency telephone number:**

+33 (0)1 60 27 20 19 (8:30-18:00 du lundi au jeudi, 9:30-17 le vendredi)

*** SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS09

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02



GHS07



GHS08



GHS09

Signal word Warning**Hazard-determining components of labelling:**Bisphenol A- epoxy resin (MW >700-<1100)
xylene

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Trade name: CARROSS APPRÊT EPOXY MOUILLÉ

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Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

The product does not contain a substance included in the list established pursuant to Article 59(1) of Regulation (EC) No 1907/2006 as having endocrine disrupting properties or a substance that would be identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in a quantity ≥ 0.1%.

* **SECTION 3: Composition/information on ingredients**

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; ⚠ Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2, H319; ⚠ STOT SE 3, H335; ⚠ Aquatic Chronic 3, H412	25-50%
CAS: 25068-38-6	Bisphenol A- epoxy resin (MW >700-<1100) ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2, H319; ⚠ Skin Sens. 1, H317	10-<25%
CAS: 7779-90-0 EINECS: 231-944-3 Reg.nr.: 01-2119485044-40	trizinc bis(orthophosphate) ⚠ Aquatic Acute 1, H400 (M=1); ⚠ Aquatic Chronic 1, H410 (M=1)	2.5-10%
CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38	butan-1-ol ⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; ⚠ Skin Irrit. 2, H315; ⚠ STOT SE 3, H335-H336	1-<5%
CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32	zinc oxide ⚠ Aquatic Acute 1, H400 (M=1); ⚠ Aquatic Chronic 1, H410 (M=1)	0.1-1%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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Trade name: CARROSS APPRÊT EPOXY MOUILLÉ

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Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out of danger area and lay down.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

Avoid contact with the eyes and skin.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Do not flush with water or aqueous cleansing agents.

Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
 Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes and skin.
 Do not eat, drink, smoke or sniff while working.
 Do not allow to enter sewers/ surface or ground water.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
 Keep respiratory protective device available.
 Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.
 Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
 Store receptacle in a well ventilated area.

7.3 Specific end use(s) No further relevant information available.

* **SECTION 8: Exposure controls/personal protection**

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
1330-20-7 xylene	
WEL (Great Britain)	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin
71-36-3 butan-1-ol	
WEL (Great Britain)	Short-term value: 154 mg/m ³ , 50 ppm Sk

Regulatory information

WEL (Great Britain): EH40/2020
 IOELV (EU): (EU) 2019/1831

DNELs		
1330-20-7 xylene		
Dermal	DNEL	212 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	442 mg/m ³ (acute - systemic effects, workers)
		442 mg/m ³ (acute - local effects, workers)
		221 mg/m ³ (long-term - systemic effects, workers)
		221 mg/m ³ (long-term - local effects, workers)
7779-90-0 trizinc bis(orthophosphate)		
Dermal	DNEL	83 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	1 mg/m ³ (long-term - systemic effects, workers)

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71-36-3 butan-1-ol	
Inhalative	DNEL 310 mg/m ³ (long-term - local effects, workers)
1314-13-2 zinc oxide	
Dermal	DNEL 83 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL 5 mg/m ³ (long-term - systemic effects, workers)
PNECs	
1330-20-7 xylene	
PNEC	0.327 mg/l (freshwater environment) 0.327 mg/l (marine environment)
PNEC	12.46 mg/kg (freshwater sediment environment) 12.46 mg/kg (marine sediment environment)
7779-90-0 trizinc bis(orthophosphate)	
PNEC	235.6 mg/kg (freshwater sediment environment) 113 mg/kg (marine sediment environment)
71-36-3 butan-1-ol	
PNEC	0.082 mg/l (freshwater environment) 0.0082 mg/l (marine environment) 2.25 mg/l (intermittent releases) 2,476 mg/l (sewage treatment plants)
PNEC	0.0178 mg/kg (marine environment) 0.178 mg/kg (freshwater sediment environment) 0.015 mg/kg (soil)
1314-13-2 zinc oxide	
PNEC	0.0206 mg/l (freshwater environment) 0.0061 mg/l (marine environment) 0.1 mg/l (sewage treatment plants)
PNEC	117.8 mg/kg (freshwater sediment environment) 56.5 mg/kg (marine sediment environment) 35.6 mg/kg (soil)
Ingredients with biological limit values:	
1330-20-7 xylene	
BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

Regulatory information BMGV (Great Britain): EH40/2020

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep ignition sources away - Do not smoke.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

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Trade name: CARROSS APPRÊT EPOXY MOUILLÉ

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Store protective clothing separately.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Do not eat or drink while working.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

A2/P2 filter (EN 14387)

Hand protection



Protective gloves

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

When choosing protective gloves, the breakthrough time, rate of penetration and degradation (EN 374) should be taken into account.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection



Tightly sealed goggles (EN 166 / EN 170)

Body protection: Protective work clothing (EN 14325)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	Grey and yellow
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	137-143 °C (1330-20-7 xylene)
Flammability	Flammable.
Lower and upper explosion limit	
Lower:	1.1 Vol % (1330-20-7 xylene)
Upper:	9.4 Vol % (71-36-3 butan-1-ol)
Flash point:	>23 °C
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.

(Contd. on page 7)

Trade name: CARROSS APPRÊT EPOXY MOUILLÉ

(Contd. of page 6)

Vapour pressure at 20 °C:	6.7-8.2 hPa (1330-20-7 xylene)
Density and/or relative density	
Density at 20 °C:	1.45-1.5 g/cm ³
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Highly viscous
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No decomposition if used according to specifications.

10.2 Chemical stability No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions Fumes can combine with air to form an explosive mixture.

10.4 Conditions to avoid Protect from heat and direct sunlight.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire.

* **SECTION 11: Toxicological information**

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

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
1330-20-7 xylene		
Dermal	LD50	1,100 mg/kg (ATE)
Inhalative	ATE	1.5 mg/l (dust/ mist)

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Trade name: CARROSS APPRÊT EPOXY MOUILLÉ

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7779-90-0 trizinc bis(orthophosphate)		
Oral	LD50	>5,000 mg/kg (rat)
71-36-3 butan-1-ol		
Oral	LD50	790 mg/kg (rat)
Dermal	LD50	3,400 mg/kg (rabbit)
Inhalative	LC50/4 h	8,000 mg/l (rat)
1314-13-2 zinc oxide		
Oral	LD50	>5,000 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

* **SECTION 12: Ecological information**

12.1 Toxicity

Aquatic toxicity:	
1330-20-7 xylene	
LC50/96 h	2.6 mg/l (Oncorhynchus mykiss) (OECD 203)
EC50/3 h	>157 mg/l (microorganisms)
EC50/48 h	>3.4 mg/l (Ceriodaphnia dubia) (OECD 202)
EC50/73h	2.2 mg/l (algae) (OECD 201)
7779-90-0 trizinc bis(orthophosphate)	
EC50/3 h	5.2 mg/l (microorganisms)
EC50/48 h	>2.34 mg/l (Daphnia magna)
71-36-3 butan-1-ol	
LC50/96 h	1,376 mg/l (fish)
EC50/48 h	1,328 mg/l (Daphnia magna)
EC50/72 h	>500 mg/l (Desmodesmus subspicatus)
EC3/16 h	4,390 mg/l (microorganisms)
1314-13-2 zinc oxide	
LC50/96 h	4.92 mg/l (fish)
EC50/72 h	0.042 mg/l (algae)
EC50/24 h	9.4 mg/l (microorganisms)
LC50/48 h	1.55 mg/l (Daphnia magna)
12.2 Persistence and degradability	
1330-20-7 xylene	
Biodegradation	>60 % (readily biodegradable)

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Trade name: CARROSS APPRÊT EPOXY MOUILLÉ

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71-36-3 butan-1-ol	
Biodegradation	92 % (readily biodegradable)
12.3 Bioaccumulative potential	
1330-20-7 xylene	
BCF	25.9
log Kow	<3.2
71-36-3 butan-1-ol	
BCF	3.16
12.4 Mobility in soil	
71-36-3 butan-1-ol	
log Koc	0.388

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Toxic for aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
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Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name ADR IMDG IATA	1263 PAINT PAINT, MARINE POLLUTANT PAINT
14.3 Transport hazard class(es) ADR, IMDG	
 	
Class	3

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Trade name: CARROSS APPRÊT EPOXY MOUILLÉ

(Contd. of page 9)

Label	3
IATA	
	
Class	3
Label	3
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards:	Environmentally hazardous substance, liquid
Marine pollutant (IMDG):	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	30
EMS Number:	F-E,S-E
Stowage Category	A
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Transport category	3
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
UN "Model Regulation":	UN 1263 PAINT, 3, III

SECTION 15: Regulatory information

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

Poisons Act

Regulated explosives precursors

None of the ingredients is listed.

Regulated poisons

None of the ingredients is listed.

Reportable explosives precursors

None of the ingredients is listed.

Reportable poisons

None of the ingredients is listed.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

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Trade name: CARROSS APPRÊT EPOXY MOUILLÉ

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REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

* **SECTION 16: Other information**

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

The above information is based on currently available data characterising the product. They do not constitute a guarantee or quality specification. It should be regarded as a guideline for safe use, storage, transport, disposal in case of release into the environment. It is the responsibility of the user to create conditions for the safe use of the product and the user accepts responsibility for any consequences resulting from improper use of this product.

Relevant phrases

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

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.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause 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.

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Trade name: CARROSS APPRÊT EPOXY MOUILLÉ

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Classification according to Regulation (EC) No 1272/2008	
<i>Flammable liquids</i>	<i>Bridging principles</i>
<i>Skin corrosion/irritation</i> <i>Serious eye damage/irritation</i> <i>Skin sensitisation</i> <i>Specific target organ toxicity (single exposure)</i> <i>Specific target organ toxicity (repeated exposure)</i> <i>Hazardous to the aquatic environment - long-term (chronic) aquatic hazard</i>	<i>The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.</i>

Version number of previous version: 1.0

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: chemical number assigned to the chemical in the Chemical Abstracts Service list

DNEL: Derived No-Effect Level

PNEC: Predicted No-Effect Concentration

LC50: median lethal concentration

LD50: lethal dose 50%

PBT: persistent, bioaccumulative and toxic

vPvB: very persistent and very bioaccumulative

ATE: Acute toxicity estimate values

Flam. Liq. 3: Flammable liquid substance. Hazard category 3

Acute Tox. 4: Acute toxicity. Hazard category 4

Skin Irrit. 2: Skin corrosion/irritation. Hazard category 2

Eye Dam. 1: Serious eye damage/eye irritation. Hazard category 1

Eye Irrit. 2: Serious eye damage/eye irritation. Hazard category 2

Skin Sens. 1: Skin sensitisation. Hazard category 1

STOT SE 3: Toxic effects on target organs - single exposure. Hazard category 3

STOT RE 2: Toxic effects on target organs - repeated exposure. Hazard category 2

Asp. Tox. 1: Aspiration hazard. Hazard category 1

Aquatic Acute 1: Presenting a hazard to the aquatic environment - acute hazard, Category 1

Aquatic Chronic 1: Presenting a hazard to the aquatic environment. Chronic hazard, Category 1

Aquatic Chronic 2: Presenting a hazard to the aquatic environment. Chronic hazard, Category 2

Aquatic Chronic 3: Presenting a hazard to the aquatic environment. Chronic hazard, Category 3

Sources European Chemicals Agency, <http://echa.europa.eu/>

*** Data compared to the previous version altered.**