

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

1.1 Product identifier

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

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

Identified use: professional use.

Application of the substance / the mixture Hardening agent/ Curing agent

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

Repr. 2 H361f Suspected of damaging fertility.
 STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
 Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS05

Skin Corr. 1B H314 Causes severe skin burns and eye damage.
 Eye Dam. 1 H318 Causes serious eye damage.



GHS09

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



GHS07

Acute Tox. 4 H302 Harmful if swallowed.
 Acute Tox. 4 H332 Harmful if inhaled.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

(Contd. on page 2)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 1)

Hazard pictograms



GHS02 GHS05 GHS07 GHS08 GHS09

Signal word *Danger*

Hazard-determining components of labelling:

xylene
 m-phenylenebis(methylamine)
 4-tert-butylphenol
 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine
 3-aminopropyltriethoxysilane

Hazard statements

H226 *Flammable liquid and vapour.*
 H302+H332 *Harmful if swallowed or if inhaled.*
 H314 *Causes severe skin burns and eye damage.*
 H317 *May cause an allergic skin reaction.*
 H361f *Suspected of damaging fertility.*
 H335-H336 *May cause respiratory irritation. May cause drowsiness or dizziness.*
 H373 *May cause damage to organs through prolonged or repeated exposure.*
 H304 *May be fatal if swallowed and enters airways.*
 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.*
 P301+P310 *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*
 P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

Additional information:

EUH071 Corrosive to the respiratory tract.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable
vPvB: Not applicable

Determination of endocrine-disrupting properties		
98-54-4	4-tert-butylphenol	List I

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: 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	25-<50%

(Contd. on page 3)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 2)

CAS: 98-54-4 EINECS: 202-679-0 Reg.nr.: 01-2119489419-21	4-tert-butylphenol ⚠ Repr. 2, H361f; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 1, H410 (M=1); ⚠ Skin Irrit. 2, H315; ED ENV 1, EUH430	2.5-<10%
CAS: 1477-55-0 EINECS: 216-032-5 Reg.nr.: 01-2119480150-50	m-phenylenebis(methylamine) ⚠ Skin Corr. 1B, H314; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H332; ⚠ Skin Sens. 1B, H317; ⚠ Aquatic Chronic 3, H412, EUH071	2.5-<10%
CAS: 8007-24-7 Reg.nr.: 01-2119502450-57	decarboxylating cashew nut shell liquid ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H312; ⚠ Skin Irrit. 2, H315; ⚠ Skin Sens. 1A, H317	1-<2.5%
CAS: 25513-64-8 EINECS: 247-063-2 Reg.nr.: 01-2119560598-25	2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine ⚠ Skin Corr. 1A, H314; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; ⚠ Skin Sens. 1A, H317	0.1-<2.5%
CAS: 919-30-2 EINECS: 213-048-4 Reg.nr.: 01-2119480479-24	3-aminopropyltriethoxysilane ⚠ Skin Corr. 1B, H314; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; ⚠ Skin Sens. 1B, H317	1-<2.5%

SVHC	
98-54-4	4-tert-butylphenol

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.

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: Drink plenty of water and provide fresh air. Call for a doctor 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.

(Contd. on page 4)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 3)

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.

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

(Contd. on page 5)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 4)

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)
71-36-3 butan-1-ol		
Inhalative	DNEL	310 mg/m ³ (long-term - local effects, workers)
98-54-4 4-tert-butylphenol		
Dermal	DNEL	0.071 mg/kg (long-term - systemic effects, workers)
Inhalative	DNEL	0.5 mg/m ³ (long-term - systemic effects, workers)
1477-55-0 m-phenylenebis(methylamine)		
Dermal	DNEL	0.33 mg/kg (long-term - systemic effects, workers)
Inhalative	DNEL	1.2 mg/m ³ (long-term - systemic effects, workers) 0.2 mg/m ³ (long-term - local effects, workers)
919-30-2 3-aminopropyltriethoxysilane		
Dermal	DNEL	8.3 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	59 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)
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)
98-54-4 4-tert-butylphenol	
PNEC	0.01 mg/l (freshwater environment) 0.001 mg/l (marine environment) 1.5 mg/l (sewage treatment plants)

(Contd. on page 6)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 5)

PNEC	0.027 mg/kg (marine sediment environment) 0.25 mg/kg (soil)
1477-55-0 m-phenylenebis(methylamine)	
PNEC	1.24 mg/l (marine sediment environment) 10 mg/l (sewage treatment plants)
PNEC	0.094 mg/kg (freshwater environment) 12.4 mg/kg (freshwater sediment environment) 2.44 mg/kg (soil)
25513-64-8 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine	
PNEC	0.102 mg/l (freshwater environment) 0.01 mg/l (marine environment) 72 mg/l (sewage treatment plants)
PNEC	0.622 mg/kg (freshwater sediment environment) 0.062 mg/kg (marine sediment environment) 10 mg/kg (soil)
919-30-2 3-aminopropyltriethoxysilane	
PNEC	0.33 mg/l (freshwater environment) 0.033 mg/l (marine environment) 13 mg/l (sewage treatment plants)
PNEC	0.12 mg/kg (marine environment) 1.2 mg/kg (freshwater sediment environment) 0.05 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.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

Use skin protection cream for skin protection.

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)

(Contd. on page 7)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 6)

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:	Dark yellow
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined
Boiling point or initial boiling point and boiling range	116-118 °C (71-36-3 butan-1-ol)
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	<20.5 mm ² /s
Dynamic:	Not determined
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure at 20 °C:	6.7-8.2 hPa (1330-20-7 xylene)
Density and/or relative density	
Density at 20 °C:	0.87-0.89 g/cm ³
Vapour density	Not determined

(Contd. on page 8)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 7)

9.2 Other information	
Appearance:	
Form:	Fluid
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 Harmful if swallowed or if inhaled.

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)
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)

(Contd. on page 9)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 8)

98-54-4 4-tert-butylphenol		
Oral	LD50	2,951 mg/kg (rat)
Dermal	LD50	2,288 mg/kg (rabbit)
Inhalative	LC50/4 h	5.6 mg/l (rat)
1477-55-0 m-phenylenebis(methylamine)		
Oral	LD50	980 mg/kg (rat)
Inhalative	LC50/4 h	1.34 mg/l (rat)
8007-24-7 decarboxylating cashew nut shell liquid		
Oral	LD50	500 mg/kg (ATE)
Dermal	LD50	1,100 mg/kg (ATE)
25513-64-8 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine		
Oral	LD50	500 mg/kg (ATE)
919-30-2 3-aminopropyltriethoxysilane		
Oral	LD50	1,780 mg/kg (rat)
Dermal	LD50	4,000 mg/kg (rabbit)

Primary irritant effect:

Skin corrosion/irritation Causes severe skin burns and eye damage.

Serious eye damage/irritation Causes serious eye damage.

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 Suspected of damaging fertility.

STOT-single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

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

Aspiration hazard May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties		
98-54-4	4-tert-butylphenol	List I

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)
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)
98-54-4 4-tert-butylphenol	
LC50/96 h	87.6 mg/l (Oncorhynchus mykiss) (OECD 203)
1477-55-0 m-phenylenebis(methylamine)	
LC50/96 h	87.6 mg/l (fish)

(Contd. on page 10)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 9)

EC50/24 h	35.1 mg/l (Daphnia magna)
NOEC/21 d	4.7 mg/L (Daphnia magna)
919-30-2 3-aminopropyltriethoxysilane	
LC50/96 h	>934 mg/l (fish) (OECD 203)
12.2 Persistence and degradability	
1330-20-7 xylene	
Biodegradation	>60 % (readily biodegradable)
71-36-3 butan-1-ol	
Biodegradation	92 % (readily biodegradable)
1477-55-0 m-phenylenebis(methylamine)	
Biodegradation	49 % (not readily biodegradable) (OECD 301 B, 28 d, aerobic)
919-30-2 3-aminopropyltriethoxysilane	
Biodegradation	67 % (not 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 For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects

Additional ecological information:

General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even extremely 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

UN2920

(Contd. on page 11)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 10)

14.2 UN proper shipping name	
ADR	2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (m-phenylenebis(methylamine), XYLENES)
IMDG, IATA	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (m-phenylenebis(methylamine), XYLENES)
14.3 Transport hazard class(es)	
ADR	
	
Class	8
Label	8+3
IMDG	
	
Class	8
Label	8/3
IATA	
	
Class	8
Label	8 (3)
14.4 Packing group	
ADR, IMDG, IATA	II
14.5 Environmental hazards:	
	Environmentally hazardous substance, liquid Product contains environmentally hazardous substances: 4-tert-butylphenol
14.6 Special precautions for user	
	Warning: Corrosive substances.
Hazard identification number (Kemler code):	83
EMS Number:	F-E,S-C
Stowage Category	C
Stowage Code	SW1 Protected from sources of heat. SW2 Clear of living quarters.
14.7 Maritime transport in bulk according to IMO instruments	
	Not applicable
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	1L
UN "Model Regulation":	
	UN 2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (M-PHENYLENEBIS(METHYLAMINE), XYLENES), 8 (3), II

(Contd. on page 12)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 11)

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

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.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57	
98-54-4	4-tert-butylphenol
Substances of very high concern (SVHC) according to UK REACH	
98-54-4	4-tert-butylphenol

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

(Contd. on page 13)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 12)

* **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

- EUH430 May cause endocrine disruption in the environment.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- 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.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H410 Very toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.

Classification according to Regulation (EC) No 1272/2008

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

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
- SVHC: Substances of Very High Concern
- vPvB: very persistent and very bioaccumulative
- ATE: Acute toxicity estimate values

(Contd. on page 14)

Trade name: CARROSS DURCISSEUR EPOXY MOUILLÉ- MOUILLÉ HARDENER

(Contd. of page 13)

Flam. Liq. 3: Flammable liquid substance. Hazard category 3
Acute Tox. 4: Acute toxicity. Hazard category 4
Skin Corr. 1A: Skin corrosion/irritation. Hazard category 1A
Skin Corr. 1B: Skin corrosion/irritation. Hazard category 1B
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
Skin Sens. 1A: Skin sensitisation. Hazard category 1A
Skin Sens. 1B: Skin sensitisation. Hazard category 1B
Repr. 2: Reproductive toxicity. Hazard category 2
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 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.**