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

1.1 Product identifier

Trade name: CARROSS MASTIC SUPREME MULTI CARBONE

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

Identified use: professional use.

Application of the substance / the mixture Knife filler/ Surfacer

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 H361d Suspected of damaging the unborn child.
STOT RE 1 H372 Causes damage to the hearing organs through prolonged or repeated exposure.

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.

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

Signal word Danger

Hazard-determining components of labelling:

styrene
maleic anhydride
2,2'-(m-tolylimino)diethanol

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.

(Contd. on page 2)

(Contd. of page 1)

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.
H372 Causes damage to the hearing organs through prolonged or repeated exposure.

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: 100-42-5 EINECS: 202-851-5 Reg.nr.: 01-2119457861-32	styrene Flam. Liq. 3, H226; Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	10-<20%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	0.1-<1%
CAS: 91-99-6 EINECS: 202-114-8 Reg.nr.: 01-2120791683-42	2,2'-(m-tolylimino)diethanol STOT RE 2, H373; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1B, H317	0.1-<1%
CAS: 2687-91-4 EINECS: 220-250-6 Reg.nr.: 01-2119472138-36	N-Ethyl-2-Pyrrolidone Repr. 1B, H360D; Eye Dam. 1, H318; Acute Tox. 4, H312	0.1-<0.3%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg LC50/4 h inhalative: 3 mg/l	0.1-<1%
CAS: 108-31-6 EINECS: 203-571-6 Reg.nr.: 01-2119472428-31	maleic anhydride Resp. Sens. 1, H334; STOT RE 1, H372; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	0.001-<0.1%

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

(Contd. on page 3)

(Contd. of page 2)

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: 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.

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.

(Contd. on page 4)

(Contd. of page 3)

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:	
100-42-5 styrene	
WEL (Great Britain)	Short-term value: 1080 mg/m³, 250 ppm Long-term value: 430 mg/m³, 100 ppm
141-78-6 ethyl acetate	
WEL (Great Britain)	Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm
IOELV (EU)	Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm
111-76-2 2-butoxyethanol	
WEL (Great Britain)	Short-term value: 246 mg/m³, 50 ppm Long-term value: 123 mg/m³, 25 ppm Sk, BMGV
IOELV (EU)	Short-term value: 246 mg/m³, 50 ppm Long-term value: 98 mg/m³, 20 ppm Skin
108-31-6 maleic anhydride	
WEL (Great Britain)	Short-term value: 3 mg/m³ Long-term value: 1 mg/m³ Sen

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

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DNELs		
100-42-5 styrene		
Dermal	DNEL	406 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	289 mg/m3 (acute - systemic effects, workers)
		306 mg/m3 (acute - local effects, workers)
		85 mg/m3 (long-term - systemic effects, workers)
141-78-6 ethyl acetate		
Dermal	DNEL	63 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	1,468 mg/m3 (acute - systemic effects, workers)
		1,468 mg/m3 (acute - local effects, workers)
		734 mg/m3 (long-term - systemic effects, workers)
		734 mg/m3 (long-term - local effects, workers)
2687-91-4 N-Ethyl-2-Pyrrolidone		
Dermal	DNEL	4 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	16.75 mg/m3 (long-term - systemic effects, workers)
		10.05 mg/m3 (long-term - local effects, workers)
111-76-2 2-butoxyethanol		
Dermal	DNEL	89 mg/kg bw/day (acute - systemic effects, workers)
		125 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	1,091 mg/m3 (acute - systemic effects, workers)
		246 mg/m3 (acute - local effects, workers)
		98 mg/m3 (long-term - systemic effects, workers)

PNECs	
100-42-5 styrene	
PNEC	0.028 mg/l (freshwater environment)
	0.0028 mg/l (marine environment)
	0.04 mg/l (intermittent releases)
	5 mg/l (sewage treatment plants)
PNEC	0.614 mg/kg (freshwater sediment environment)
	0.0614 mg/kg (marine sediment environment)
	0.2 mg/kg (soil)
141-78-6 ethyl acetate	
PNEC	0.24 mg/l (freshwater environment)
	0.024 mg/l (marine environment)
	1.65 mg/l (intermittent releases)
	650 mg/l (sewage treatment plants)
PNEC	1.15 mg/kg (freshwater sediment environment)
	0.115 mg/kg (marine sediment environment)
2687-91-4 N-Ethyl-2-Pyrrolidone	
PNEC	0.25 mg/l (freshwater environment)
	0.025 mg/l (marine environment)
PNEC	1.25 mg/kg (freshwater sediment environment)
	0.125 mg/kg (marine sediment environment)
	mg/kg (soil)

(Contd. on page 6)

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111-76-2 2-butoxyethanol	
PNEC	8.8 mg/l (freshwater environment)
	0.88 mg/l (marine environment)
	9.1 mg/l (intermittent releases)
	463 mg/l (sewage treatment plants)
PNEC	3.46 mg/kg (marine environment)
	34.6 mg/kg (freshwater sediment environment)
	3.13 mg/kg (soil)

Ingredients with biological limit values:	
111-76-2 2-butoxyethanol	
BMGV (Great Britain)	240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic 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.

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 anewed 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
Fluorocarbon rubber (Viton)
Recommended material thickness: ≥ 0.7 mm
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.

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Penetration time of glove material
Permeation level and breakthrough time: level 6 ≥ 480 min.
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:	Graphite
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	145 °C
Flammability	Flammable.
Lower and upper explosion limit	
Lower:	1.1 Vol %
Upper:	6.1 Vol %
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.
Vapour pressure at 20 °C:	6.7 hPa
Density and/or relative density	
Density:	1.2-1.35 g/cm³
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Pasty
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

(Contd. on page 8)

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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
Exothermic polymerisation.
Reacts with peroxides and other radical forming substances.
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:		
100-42-5 styrene		
Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	11.8 mg/l (rat)
141-78-6 ethyl acetate		
Oral	LD50	6,100 mg/kg (rat)
Dermal	LD50	>20,000 mg/kg (rabbit)
Inhalative	LC50/6 h	58 mg/l (rat)
91-99-6 2,2'-(m-tolylimino)diethanol		
Oral	LD50	500 mg/kg (ATE)
2687-91-4 N-Ethyl-2-Pyrrolidone		
Oral	LD50	3,200 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat)
111-76-2 2-butoxyethanol		
Oral	LD50	1,200 mg/kg (ATE)
Dermal	LD50	>2,000 mg/kg (guinea pig)
Inhalative	LC50/4 h	3 mg/l (ATE)

(Contd. on page 9)

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108-31-6 maleic anhydride		
Oral	LD50	1,090 mg/kg (rat)
Dermal	LD50	2,620 mg/kg (rabbit)

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 Suspected of damaging the unborn child.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure
Causes damage to the hearing 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:	
100-42-5 styrene	
LC50/96 h	4.02 mg/l (fish)
EC50/48 h	4.7 mg/l (Daphnia magna)
EC50/72 h	4.9 mg/l (algae)
141-78-6 ethyl acetate	
LC50/96 h	230 mg/l (fish)
EC50/48 h	165 mg/l (Daphnia cucullata)
EC50/72 h	>900 mg/l (Scenedesmus subspicatus)
EC3/16 h	650 mg/l (microorganisms)
91-99-6 2,2'-(m-tolylimino)diethanol	
EC50/48 h	107 mg/l (Daphnia magna)
EC50/72 h	>100 mg/l (algae)
LC50/48 h	>102 mg/l (fish)
2687-91-4 N-Ethyl-2-Pyrrolidone	
EC50/48 h	mg/l (aquatic invertebrates)
NOEC/21 d	12.5 mg/L (aquatic invertebrates)
111-76-2 2-butoxyethanol	
LC50/96 h	1,474 mg/l (fish)
TT/16 h	700 mg/l (microorganisms)
EC50/48 h	1,550 mg/l (Daphnia magna)
EC50/72 h	911 mg/l (algae)

12.2 Persistence and degradability	
100-42-5 styrene	
Biodegradation	70.9 % (readily biodegradable) (ISO 9408, 28 d, aerobic)
141-78-6 ethyl acetate	
Biodegradation	93.9 % (readily biodegradable) (OECD 301 B, aerobic)

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111-76-2 2-butoxyethanol	
Biodegradation	90.4 % (readily biodegradable) (OECD 301 B, 28 d, aerobic)

12.3 Bioaccumulative potential	
100-42-5 styrene	
BCF	74 (-)
log Pow	2.96
141-78-6 ethyl acetate	
BCF	30 (-)
log Pow	0.66
91-99-6 2,2'-(m-tolylimino)diethanol	
log Kow	1.9

12.4 Mobility in soil	
100-42-5 styrene	
log Koc	2.55
Koc	352

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.

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

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 UN1866

14.2 UN proper shipping name
ADR 1866 RESIN SOLUTION
IMDG, IATA RESIN SOLUTION

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class 3

(Contd. on page 11)

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Label	3
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	Not applicable.
Marine pollutant (IMDG):	No
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
Remarks:	ADR 2.2.3.1.5
IMDG	
Limited quantities (LQ)	5L
Remarks:	IMDG 2.3.2.5
UN "Model Regulation":	UN 1866 RESIN SOLUTION, 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 P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 81

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.

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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 Sheets 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
H225 Highly flammable liquid and vapour.
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.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H360D May damage the unborn child.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH071 Corrosive to the respiratory tract.

(Contd. on page 13)

(Contd. of page 12)

Classification according to Regulation (EC) No 1272/2008	
Flammable liquids	*Bridging principles*
Skin corrosion/irritation *Serious eye damage/irritation* *Skin sensitisation* *Reproductive toxicity* *Specific target organ toxicity (repeated exposure)*	*The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.*

Version number of previous version: *9.0*

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. 2: Flammable liquid substance. Hazard category 2
Flam. Liq. 3: Flammable liquid substance. Hazard category 3
Acute Tox. 3: Acute toxicity. Hazard category 3
Acute Tox. 4: Acute toxicity. Hazard category 4
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
Resp. Sens. 1: Respiratory sensitisation. Hazard category 1
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. 1B: Reproductive toxicity. 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 1: Toxic effects on target organs - repeated exposure. Hazard category 1
STOT RE 2: Toxic effects on target organs - repeated exposure. Hazard category 2
Asp. Tox. 1: Aspiration hazard. Hazard category 1
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.***