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

1.1 Product identifier

Trade name: CARROSS APPRÊT GARNISSANT ECO 4:1 - NOIR

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

Identified use: professional use.

Application of the substance / the mixture Filler and 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

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


GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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 Warning

Hazard-determining components of labelling:

Reaction mass of ethylbenzene and m-xylene and p-xylene

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

(Contd. on page 2)

(Contd. of page 1)

H412 Harmful 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.
P314 Get medical advice/attention if you feel unwell.
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:		
List no.: 905-562-9 Reg.nr.: 01-2119555267-33	Reaction mass of ethylbenzene and m-xylene and p-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	5-15%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	1-7.5%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	1-7.5%
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	1-7.5%
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)	1-<2.5%
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.
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.

(Contd. on page 3)

(Contd. of page 2)

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:
CO_2, 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.
Carbon monoxide and carbon dioxide

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.

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).

(Contd. on page 4)

(Contd. of page 3)

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:	
Reaction mass of ethylbenzene and m-xylene and p-xylene	
WEL (Great Britain)	Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV
IOELV (EU)	Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin
123-86-4 n-butyl acetate	
WEL (Great Britain)	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm
IOELV (EU)	Short-term value: 723 mg/m³, 150 ppm Long-term value: 241 mg/m³, 50 ppm
108-65-6 2-methoxy-1-methylethyl acetate	
WEL (Great Britain)	Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk
IOELV (EU)	Short-term value: 550 mg/m³, 100 ppm Long-term value: 275 mg/m³, 50 ppm Skin
1330-20-7 xylene	
WEL (Great Britain)	Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV
IOELV (EU)	Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin

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

(Contd. on page 5)

(Contd. of page 4)

DNELs		
Reaction mass of ethylbenzene and m-xylene and p-xylene		
Dermal	DNEL	212 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	442 mg/m3 (acute - systemic effects, workers)
		442 mg/m3 (acute - local effects, workers)
		221 mg/m3 (long-term - systemic effects, workers)
		221 mg/m3 (long-term - local effects, workers)
123-86-4 n-butyl acetate		
Dermal	DNEL	7 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	960 mg/m3 (acute - systemic effects, workers)
		960 mg/m3 (acute - local effects, workers)
		480 mg/m3 (long-term - systemic effects, workers)
		480 mg/m3 (long-term - local effects, workers)
108-65-6 2-methoxy-1-methylethyl acetate		
Dermal	DNEL	153.5 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	275 mg/m3 (long-term - systemic effects, workers)
1330-20-7 xylene		
Dermal	DNEL	212 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	442 mg/m3 (acute - systemic effects, workers)
		442 mg/m3 (acute - local effects, workers)
		221 mg/m3 (long-term - systemic effects, workers)
		221 mg/m3 (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/m3 (long-term - systemic effects, workers)
1314-13-2 zinc oxide		
Dermal	DNEL	83 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	5 mg/m3 (long-term - systemic effects, workers)

PNECs	
Reaction mass of ethylbenzene and m-xylene and p-xylene	
PNEC	6.58 mg/l (sewage treatment plants)
PNEC	12.46 mg/kg (freshwater sediment environment)
	12.46 mg/kg (marine sediment environment)
PNEC	327 µg/l (freshwater environment)
	327 µg/l (marine environment)
	327 µg/l (intermittent releases)
123-86-4 n-butyl acetate	
PNEC	0.18 mg/l (freshwater environment)
	0.018 mg/l (marine environment)
	0.36 mg/l (intermittent releases)
	35.6 mg/l (sewage treatment plants)
PNEC	0.981 mg/kg (freshwater sediment environment)
108-65-6 2-methoxy-1-methylethyl acetate	
PNEC	0.635 mg/l (freshwater environment)
	0.0635 mg/l (marine environment)

(Contd. on page 6)

(Contd. of page 5)

	6.35 mg/l (intermittent releases)
	100 mg/l (sewage treatment plants)
PNEC	3.29 mg/kg (freshwater sediment environment)
	0.329 mg/kg (marine sediment environment)
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)
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:	
Reaction mass of ethylbenzene and m-xylene and p-xylene	
BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
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.

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.

(Contd. on page 7)

(Contd. of page 6)

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

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.

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:	Black
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined
Boiling point or initial boiling point and boiling range	Undetermined
Flammability	Flammable.
Lower and upper explosion limit	
Lower:	1 Vol %
Upper:	15 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:	10.7 hPa
Density and/or relative density	
Density at 20 °C:	1.48-1.52 g/cm³
Vapour density	Not determined

(Contd. on page 8)

(Contd. of page 7)

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
Reacts with alkali, amines and strong acids.
Reacts with oxidising agents.
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:
Carbon monoxide and carbon dioxide
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:		
Reaction mass of ethylbenzene and m-xylene and p-xylene		
Dermal	LD50	1,100 mg/kg (ATE)
Inhalative	ATE	1.5 ATE

(Contd. on page 9)

(Contd. of page 8)

123-86-4 n-butyl acetate		
Oral	LD50	10,760 mg/kg (rat)
Dermal	LD50	>14,000 mg/kg (rabbit)
Inhalative	LC50/4 h	23.4 mg/l (rat)
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/6 h	4,345 mg/l (rat)
1330-20-7 xylene		
Dermal	LD50	1,100 mg/kg (ATE)
Inhalative	ATE	1.5 mg/l (dust/ mist)
7779-90-0 trizinc bis(orthophosphate)		
Oral	LD50	>5,000 mg/kg (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 Based on available data, the classification criteria are not met.
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 Based on available data, the classification criteria are not met.
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:	
Reaction mass of ethylbenzene and m-xylene and p-xylene	
LC50/72 h	2.6-8.4 mg/l (fish)
LC50/96h	3,300-4,093 µg/l (Oncorhynchus mykiss)
123-86-4 n-butyl acetate	
LC50/96 h	18 mg/l (fish)
TT/16 h	115 mg/l (microorganisms)
EC50/48 h	44 mg/l (daphnia)
EC50/72 h	675 mg/l (algae)
108-65-6 2-methoxy-1-methylethyl acetate	
LC50/96 h	>100 mg/l (fish)
EC50/48 h	>500 mg/l (Daphnia magna)
EC20/30 min	>1,000 mg/l (microorganisms)
EC50/72 h	>1,000 mg/l (algae)
EC50	>100 mg/l (algae)

(Contd. on page 10)

(Contd. of page 9)

	>100 mg/l (fish)
	>100 mg/l (Daphnia magna)
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)
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

Reaction mass of ethylbenzene and m-xylene and p-xylene	
Biodegradation	75 % (readily biodegradable)
123-86-4 n-butyl acetate	
Biodegradation	83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)
108-65-6 2-methoxy-1-methylethyl acetate	
Biodegradation	100 % (readily biodegradable) (OECD 302 B, 8 d, aerobic)
1330-20-7 xylene	
Biodegradation	>60 % (readily biodegradable)

12.3 Bioaccumulative potential

123-86-4 n-butyl acetate	
BCF	15.3 (-)
log Pow	2.3
108-65-6 2-methoxy-1-methylethyl acetate	
log Pow	0.56
1330-20-7 xylene	
BCF	25.9
log Kow	<3.2

12.4 Mobility in soil

123-86-4 n-butyl acetate	
log Koc	1.27
108-65-6 2-methoxy-1-methylethyl acetate	
Koc	1.7

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.

(Contd. on page 11)

(Contd. of page 10)

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.
Harmful to 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

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 1263 PAINT
IMDG, IATA PAINT

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class 3
Label 3

14.4 Packing group
ADR, IMDG, IATA III

14.5 Environmental hazards: Not applicable
Marine pollutant (IMDG): Yes

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

(Contd. on page 12)

(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 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: 3,78

Additional information on Entry 78

The estimated overall proportion of microplastics in the mixture is approx. 0.1-1 %
It is recommended to clean equipment and surfaces mechanically after use, e.g. cleaning cloths, collect residues as solid waste
Collect cleaning solvents separately and dispose of them in accordance with regulations, do not discharge them into the sewer system.
Collect product residues and contaminated packaging in closed containers do not rinse dispose of in accordance with legal requirements
Prevent SMP from entering the environment; avoid release to soil, sewage, or surface water. Follow the instructions for storage, handling, and disposal provided in sections 6, 7, 8, and 13 of the safety data sheet.

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.

(Contd. on page 13)

(Contd. of page 12)

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

* **SECTION 16: Other information**

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.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
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.
EUH066 Repeated exposure may cause skin dryness or cracking.

Classification according to Regulation (EC) No 1272/2008	
Flammable liquids	Bridging principles
Skin corrosion/irritation Serious eye damage/irritation 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.

Version number of previous version: 3.0

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 Irrit. 2: Serious eye damage/eye irritation. 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 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 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.**