SAFETY DATA SHEET

C.A.R.FIT 2K Ultra HS Clearcoat

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

1.1. Product identifier

Trade name
C.A.R.FIT 2K Ultra HS Clearcoat

Other names / Synonyms
C.A.R.FIT 2K Ultra HS Clearcoat

Product no.
7-401-1000/-5000

Unique formula identifier (UFI)
N810-X01F-F00G-Y1J6

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

▼Relevant identified uses of the substance or mixture
Paint
Restricted to professional users.

▼Uses advised against
None known.

1.3. Details of the supplier of the safety data sheet

Company and address
August Handel GmbH
Ahornstraße 12
14959 Trebbin
Germany
+49 (0)33731 70 79 60
www.augusthandel.com

E-mail
info@augusthandel.com

Revision
11/05/2025

SDS Version
3.0

Date of previous version
15/05/2022 (2.0)

1.4. ▼Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 112 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. ▼Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.
Skin Sens. 1; H317, May cause an allergic skin reaction.
STOT SE 3; H336, May cause drowsiness or dizziness.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)

Signal word

Warning

▼Hazard statement(s)

Flammable liquid and vapour. (H226)
May cause an allergic skin reaction. (H317)
May cause drowsiness or dizziness. (H336)
Harmful to aquatic life with long lasting effects. (H412)

Precautionary statement(s)

General

-

▼Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Avoid breathing dust/fume/gas/mist/vapour/spray. (P261)
Wear protective gloves/protective clothing/eye protection/face protection. (P280)

▼Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353)
IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340)
Call a POISON CENTER/doctor if you feel unwell. (P312)

Storage

-

Disposal

-

▼Hazardous substances

n-butyl acetate
Hydrocarbons, C9, aromatics
Reaction mass of pentamethyl-piperidyl sebacate
2,3-epoxypropyl neodecanoate

▼Additional labelling

EUH066, Repeated exposure may cause skin dryness or cracking.

UFI: N810-X01F-F00G-Y1J6

▼VOC

VOC content: 565 g/L
MAXIMUM VOC CONTENT (Phase II, category B/e: 840 g/L)

2.3. Other hazards

▼Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients

3.1. ▼Substances

Not applicable. This product is a mixture.

3.2. ▼Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
n-butyl acetate	CAS No.: 123-86-4 EC No.: 204-658-1 UK-REACH: Index No.: 607-025-00-1	25 - 50%	EUH066 Flam. Liq. 3, H226 STOT SE 3, H336	[1]

2-butoxyethyl acetate butylglycol acetate	CAS No.: 112-07-2 EC No.: 203-933-3 UK-REACH: Index No.:	<15%	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332	[1]
Hydrocarbons, C9, aromatics	CAS No.: EC No.: 918-668-5 UK-REACH: Index No.:	≥2,5 - <15%	EUH066 Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 2, H411	
xylen p-xylen o-xylen m-xylen	CAS No.: 1330-20-7 EC No.: 215-535-7 UK-REACH: Index No.: 601-022-00-9	1 - <2,5%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 STOT RE 2, H373	[1]
Reaction mass of pentamethyl-piperidyl sebacate	CAS No.: EC No.: 915-687-0 UK-REACH: Index No.:	≥1 - <2,5%	Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
2,3-epoxypropyl neodecanoate	CAS No.: 26761-45-5 EC No.: 247-979-2 UK-REACH: Index No.:	≥0,1 - <0,25%	Skin Sens. 1, H317 Muta. 2, H341 Aquatic Chronic 2, H411	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

▼Other information

[1] European occupational exposure limit.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

IF ON SKIN: Wash with plenty of water and soap.
Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

▼Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

▼Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to

drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

4.2. Most important symptoms and effects, both acute and delayed

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.
Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system.
Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Call a POISON CENTER/doctor if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. ▼Special hazards arising from the substance or mixture

Flammable liquid and vapour.
In use may form flammable/explosive vapour-air mixture.
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Nitrogen oxides (NO_x)
Carbon oxides (CO / CO2)

5.3. ▼Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. ▼Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapours from spilled material.
Contaminated areas may be slippery.

6.2. ▼Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. ▼Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. ▼Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. ▼Precautions for safe handling

Ground and bond container and receiving equipment.
Use explosion-proof [electrical/lighting/ventilating] equipment.
Use non-sparking tools.
Take action to prevent static discharges.
It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Take action to prevent static discharges.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material

Always store in containers of the same material as the original container.

Storage conditions

Room temperature 18 to 23°C

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. ▼Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

n-butyl acetate
Long term exposure limit (8 hours) (ppm): 150
Long term exposure limit (8 hours) (mg/m^3): 724
Short term exposure limit (15 minutes) (ppm): 200
Short term exposure limit (15 minutes) (mg/m^3): 966

2-butoxyethyl acetate butylglycol acetate
Long term exposure limit (8 hours) (ppm): 20
Long term exposure limit (8 hours) (mg/m^3): 133
Short term exposure limit (15 minutes) (ppm): 50
Short term exposure limit (15 minutes) (mg/m^3): 332
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

xylen p-xylen o-xylen m-xylen
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m^3): 220
Short term exposure limit (15 minutes) (ppm): 100
Short term exposure limit (15 minutes) (mg/m^3): 441
Annotations:
BMVG = Biological Monitoring Guidance Value exists
Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

▼DNEL

2-butoxyethyl acetate butylglycol acetate

Duration:	Route of exposure:	DNEL:

Long term – Systemic effects - General population	Dermal	102 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	169 mg/kg bw/day
Short term – Systemic effects - General population	Dermal	72 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	120 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	80 mg/m³
Long term – Systemic effects - Workers	Inhalation	133 mg/m³
Short term – Local effects - General population	Inhalation	200 mg/m³
Short term – Local effects - Workers	Inhalation	333 mg/m³
Long term – Systemic effects - General population	Oral	8.6 mg/kg bw/day
Short term – Systemic effects - General population	Oral	36 mg/kg bw/day

Hydrocarbons, C9, aromatics

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Dermal	
Long term – Systemic effects - Workers	Dermal	
Long term – Local effects - General population	Inhalation	178.57 mg/m³
Long term – Local effects - Workers	Inhalation	837.5 mg/m³
Long term – Systemic effects - General population	Inhalation	
Long term – Systemic effects - General population	Inhalation	410 µg/m³
Long term – Systemic effects - Workers	Inhalation	
Long term – Systemic effects - Workers	Inhalation	1.9 mg/m³
Short term – Local effects - General population	Inhalation	640 mg/m³
Short term – Local effects - Workers	Inhalation	1066.67 mg/m³
Short term – Systemic effects - General population	Inhalation	1152 mg/m³
Short term – Systemic effects - Workers	Inhalation	1286.4 mg/m³
Long term – Systemic effects - General population	Oral	

n-butyl acetate

Duration:	**Route of exposure:**	**DNEL:**
Long term	-	
Short term	-	
Long term – Systemic effects - General population	Dermal	3.4 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	7 mg/kg bw/day
Short term – Systemic effects - General population	Dermal	6 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	11 mg/kg bw/day
Long term – Local effects - General population	Inhalation	35.7 mg/m³
Long term – Local effects - Workers	Inhalation	300 mg/m³
Long term – Systemic effects - General population	Inhalation	12 mg/m³
Long term – Systemic effects - Workers	Inhalation	48 mg/m³
Short term – Local effects - General population	Inhalation	300 mg/m³
Short term – Local effects - Workers	Inhalation	600 mg/m³
Short term – Systemic effects - General population	Inhalation	300 mg/m³
Short term – Systemic effects - Workers	Inhalation	600 mg/m³
Long term – Systemic effects - General population	Oral	2 mg/kg bw/day
Short term – Systemic effects - General population	Oral	2 mg/kg bw/day

Reaction mass of pentamethyl-piperidyl sebacate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	900 µg/kg bw/day
Long term – Systemic effects - Workers	Dermal	1.8 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	310 µg/m³
Long term – Systemic effects - Workers	Inhalation	1.27 mg/m³
Long term – Systemic effects - General population	Oral	180 µg/kg bw/day

xylen p-xylen o-xylen m-xylen

Duration:	Route of exposure:	DNEL:
Long term	-	
Short term	-	
Long term – Systemic effects - General population	Dermal	125 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	212 mg/kg bw/day
Long term – Local effects - General population	Inhalation	65.3 mg/m³
Long term – Local effects - Workers	Inhalation	221 mg/m³
Long term – Systemic effects - General population	Inhalation	65.3 mg/m³
Long term – Systemic effects - Workers	Inhalation	221 mg/m³
Short term – Local effects - General population	Inhalation	260 mg/m³
Short term – Local effects - Workers	Inhalation	442 mg/m³
Short term – Systemic effects - General population	Inhalation	260 mg/m³
Short term – Systemic effects - Workers	Inhalation	442 mg/m³
Long term – Systemic effects - General population	Oral	5 mg/kg bw/day

▼PNEC

2-butoxyethyl acetate butylglycol acetate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		304 µg/L
Freshwater sediment		2.03 mg/kg
Intermittent release (freshwater)		560 µg/L
Marine water		30.4 µg/L
Marine water sediment		203 µg/kg
Predators		60 mg/kg
Sewage treatment plant		90 mg/L
Soil		415 µg/kg

n-butyl acetate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		180 µg/L
Freshwater sediment		981 µg/kg
Intermittent release (freshwater)		360 µg/L
Marine water		18 µg/L
Marine water sediment		98.1 µg/kg
Sewage treatment plant		35.6 mg/L
Soil		90.3 µg/kg

Reaction mass of pentamethyl-piperidyl sebacate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		2.2 µg/L
Freshwater sediment		1.05 mg/kg
Intermittent release (freshwater)		9 µg/L
Marine water		220 ng/L
Marine water sediment		110 µg/kg
Sewage treatment plant		1 mg/L
Soil		210 µg/kg

xylen p-xylen o-xylen m-xylen

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		44-327 µg/L
Freshwater sediment		2.52-12.46 mg/kg
Intermittent release (freshwater)		10-327 µg/L
Intermittent release (marine water)		1 µg/L
Marine water		4.4-327 µg/L
Marine water sediment		252-12460 µg/kg
Sewage treatment plant		1.6-6.58 mg/L
Soil		852-2310 µg/kg

8.2. ▼Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

▼General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

▼Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

▼Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

▼Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

▼Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards	
Combination filter A2P2	Class 2	Brown/White	EN14387	
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer				

Type	Class	Colour	Standards
exposure use self-contained respiratory protective device.			

Skin protection

Recommended	Type/Category	Standards	
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Butyl	0.7	> 60	EN374-2, EN374-3, EN388, EN421	

▼Eye protection

Type	Standards	
Safety glasses with side shields.	EN ISO 16321-1	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
Clear

Odour / Odour threshold
Characteristic

pH
No data available

Density (g/cm^3)
0.996 (20 °C)

Kinematic viscosity
80 - 100 s (20 °C)

Particle characteristics
No data available

Phase changes

Melting point/Freezing point (°C)
No data available

Softening point/range (°C)
Does not apply to liquids.

Boiling point (°C)
124 - 128

Vapour pressure
10.7 hPa (20 °C)

Relative vapour density
No data available

Decomposition temperature (°C)
No data available

Data on fire and explosion hazards

Flash point (°C)

24

▼Flammability (°C)

The material is ignitable.

▼Auto-ignition temperature (°C)

280

Lower and upper explosion limit (% v/v)

1.2 - 7.5

Solubility

Solubility in water

Practically insoluble

n-octanol/water coefficient (LogKow)

No data available

Solubility in fat (g/L)

No data available

9.2. Other information

Evaporation rate (n-butylacetate = 100)

No data available

▼VOC (g/L)

565

▼Other physical and chemical parameters

No data available.

▼Oxidizing properties

No data available

SECTION 10: Stability and reactivity

10.1. ▼Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. ▼Possibility of hazardous reactions

None known.

10.4. ▼Conditions to avoid

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. ▼Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

▼Acute toxicity

Product/substance	n-butyl acetate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	10768 mg/kg ·

Product/substance	n-butyl acetate
Species:	Mouse
Route of exposure:	Oral
Test:	LD50
Result:	6 mg/kg ·

Product/substance	n-butyl acetate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	21,0 mg/l 4h ·

Product/substance	n-butyl acetate
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	10760 mg/kg ·

Product/substance	n-butyl acetate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	10770 mg/kg ·

Product/substance	n-butyl acetate
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>17600 mg/kg ·

Product/substance	n-butyl acetate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>21,0 mg/m³ ·

Product/substance	2-butoxyethyl acetate butylglycol acetate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1850 mg/kg ·

Product/substance	2-butoxyethyl acetate butylglycol acetate
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	1500 mg/kg ·

Product/substance	2-butoxyethyl acetate butylglycol acetate
Species:	Bird
Route of exposure:	Inhalation
Test:	LC50
Result:	1,5 mg/l ·

Product/substance	2-butoxyethyl acetate butylglycol acetate
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	1580 mg/kg ·

Product/substance	Hydrocarbons, C9, aromatics
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	4 - 8 mL/kg bw ·

Product/substance	Hydrocarbons, C9, aromatics
Species:	Rabbit

Route of exposure:	Dermal
Test:	LD50
Result:	160 mg/kg bw ·

Product/substance	xylen p-xylen o-xylen m-xylen
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5840 mg/kg ·

Product/substance	xylen p-xylen o-xylen m-xylen
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2920 mg/kg ·

Product/substance	xylen p-xylen o-xylen m-xylen
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>2 mg/l ·

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

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

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

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 drowsiness or dizziness.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

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

11.2. Information on other hazards

Long term effects
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

▼Endocrine disrupting properties
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information
xylen p-xylen o-xylen m-xylen has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. ▼Toxicity

Product/substance	n-butyl acetate

Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	18 mg/L ·

Product/substance	n-butyl acetate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	100 mg/L ·

Product/substance	n-butyl acetate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	185 mg/L ·

Product/substance	n-butyl acetate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	62 mg/L ·

Product/substance	n-butyl acetate
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	32 mg/L ·

Product/substance	n-butyl acetate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	44 mg/L ·

Product/substance	n-butyl acetate
Species:	Algae
Duration:	96 hours
Test:	EC50
Result:	320 mg/L ·

Product/substance	n-butyl acetate
Species:	Daphnia
Duration:	24 hours
Test:	LC50
Result:	205 mg/L ·

Product/substance	2-butoxyethyl acetate butylglycol acetate
Species:	Daphnia
Duration:	24 hours
Test:	EC50
Result:	>100 mg/l ·

Product/substance	2-butoxyethyl acetate butylglycol acetate
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>100 mg/l ·

Product/substance	2-butoxyethyl acetate butylglycol acetate
Species:	Fish
Duration:	48 hours

Test:	LC50
Result:	10-100 mg/l ·

Product/substance	Hydrocarbons, C9, aromatics
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	290-420 µg/L ·

Product/substance	Hydrocarbons, C9, aromatics
Species:	Algae
Duration:	72 hours
Test:	NOEC
Result:	70 µg/L ·

Product/substance	xylen p-xylen o-xylen m-xylen
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	7,4 mg/l ·

Product/substance	xylen p-xylen o-xylen m-xylen
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	13,5 mg/l ·

Product/substance	Reaction mass of pentamethyl-piperidyl sebacate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	0,9 mg/L ·

Product/substance	Reaction mass of pentamethyl-piperidyl sebacate
Species:	Fish
Duration:	96 hours
Test:	LC100
Result:	2,2 mg/L ·

Product/substance	Reaction mass of pentamethyl-piperidyl sebacate
Species:	Fish
Duration:	96 hours
Test:	NOEC
Result:	0,22 mg/L ·

Product/substance	Reaction mass of pentamethyl-piperidyl sebacate
Species:	Aquatic invertebrates
Duration:	21 days
Test:	NOEC
Result:	1-6,3 mg/L ·

Product/substance	Reaction mass of pentamethyl-piperidyl sebacate
Species:	Aquatic invertebrates
Duration:	21 days
Test:	LOEC
Result:	1,6-6,3 mg/L ·

Product/substance	Reaction mass of pentamethyl-piperidyl sebacate
Species:	Aquatic invertebrates
Duration:	21 days
Test:	EC50
Result:	2,2 mg/L ·

Harmful to aquatic life with long lasting effects.

12.2. ▼Persistence and degradability
Based on available data, the classification criteria are not met.

12.3. ▼Bioaccumulative potential
Based on available data, the classification criteria are not met.

12.4. ▼Mobility in soil
No data available.

12.5. ▼Results of PBT and vPvB assessment
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. ▼Endocrine disrupting properties
This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects
This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. ▼Waste treatment methods
Product is covered by the regulations on hazardous waste. (*)
HP 3 - Flammable
HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

▼EWC code
08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances

Contaminated packing
Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1263	PAINT	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1263	PAINT	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	Limited quantities: 5 L EmS: F-E S-E See below for additional information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
						.
IATA	UN1263	PAINT	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	See below for additional information .

* Packing group

** Environmental hazards

▼Additional information

This product is within scope of the regulations of transport of dangerous goods.
Although this product is environmentally hazardous, the environmentally hazardous substance mark has been omitted as the product is supplied in packaging with a maximum quantity of 5 L / 5 kg.
-
ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

14.6. ▼Special precautions for user

Not applicable.

14.7. ▼Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.
People under the age of 18 shall not be exposed to this product.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

▼Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

▼REACH, Annex XVII

n-butyl acetate is subject to UK-REACH restrictions (entry 40).
Hydrocarbons, C9, aromatics is subject to UK-REACH restrictions (entry 40).
xylen p-xylen o-xylen m-xylen is subject to UK-REACH restrictions (entry 40).

▼Additional information

Not applicable.

▼Sources

The Management of Health and Safety at Work Regulations 1999.
The Health and Safety at Work etc. Act 1974 Regulations 2013.
Control of Major Accident Hazards (COMAH) Regulations 2015.
2012 No. 1715 ENVIRONMENTAL PROTECTION: The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.
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.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H341, Suspected of causing genetic defects.
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.
H411, Toxic to aquatic life with long lasting effects.

▼Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average

UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

▼Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

S. Grade

▼Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en