SAFETY DATA SHEET

C.A.R.FIT Express Clearcoat

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

1.1. Product identifier

Trade name

C.A.R.FIT Express Clearcoat

Other names / Synonyms

C.A.R.FIT Expressclearcoat

Product no.

7-156-1500

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

Relevant identified uses of the substance or mixture

Paint

Uses advised against

No special

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

10/07/2022

SDS Version

2.0

Date of previous version

15/05/2022 (1.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 2; H225, Highly flammable liquid and vapour.
Skin Sens. 1; H317, May cause an allergic skin reaction.
Eye Irrit. 2; H319, Causes serious eye irritation.
STOT SE 3; H336, May cause drowsiness or dizziness.
Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

▼Hazard statement(s)

Highly flammable liquid and vapour. (H225)
May cause an allergic skin reaction. (H317)
Causes serious eye irritation. (H319)
May cause drowsiness or dizziness. (H336)
Toxic to aquatic life with long lasting effects. (H411)

Safety statement(s)

General

If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)
Read label before use. (P103)

▼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/hearing protection. (P280)

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . (P303+P361+P353)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Storage

-

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Hazardous substances

n-butyl acetate
acetone propan-2-one propanone
Hydrocarbons, C9, aromatics
butanone ethyl methyl ketone

2.3. Other hazards

Additional labelling

EUH066, Repeated exposure may cause skin dryness or cracking.

Additional warnings

May form combustible dust concentrations in air.
This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

VOC

VOC content: 620 g/L
MAXIMUM VOC CONTENT (Phase II, category B/e: 840 g/L)

SECTION 3: Composition/information on ingredients

▼3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
n-butyl acetate	CAS No.: 123-86-4 EC No.: 204-658-1	10 - 25%	EUH066 Flam. Liq. 3, H226 STOT SE 3, H336	[1]

	UK-REACH: Index No.: 607-025-00-1			
5-methylhexan-2-one isoamyl methyl ketone	CAS No.: 110-12-3 EC No.: 203-737-8 UK-REACH: Index No.: 606-026-00-4	10 - 25%	Flam. Liq. 3, H226 Acute Tox. 4, H332	[1]
acetone propan-2-one propanone	CAS No.: 67-64-1 EC No.: 200-662-2 UK-REACH: Index No.: 606-001-00-8	≥10 - <15%	EUH066 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]
Hydrocarbons, C9, aromatics	CAS No.: 64742-95-6 EC No.: 918-668-5 UK-REACH: Index No.:	5 - <10%	EUH066 Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 2, H411	
butanone ethyl methyl ketone	CAS No.: 78-93-3 EC No.: 201-159-0 UK-REACH: Index No.: 606-002-00-3	2,5 - <10%	EUH066 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]
Reaction mass of pentamethyl-piperidyl sebacate	CAS No.: EC No.: 915-687-0 UK-REACH: Index No.:	≥0,25 - <1%	Skin Sens. 1A, H317 Repr. 2, H361f Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
dibutyltin,dilaurate	CAS No.: 77-58-7 EC No.: 201-039-8 UK-REACH: Index No.: 050-030-00-3	≥0,25 - <0,3%	Skin Corr. 1C, H314 Skin Sens. 1, H317 Eye Dam. 1, H318 Muta. 2, H341 Repr. 1B, H360FD STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[4]
3-,3-sulfanylpropanoyl,oxy,-2,2-bis,3-sulfanylpropanoyl,oxy,methyl,propyl,3-sulfanylpropanoate	CAS No.: 7575-23-7 EC No.: 231-472-8 UK-REACH: Index No.:	≥0,1 - <0,25%	Acute Tox. 4, H302 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	

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

[4] Substance is listed in Annex I of the Prior Informed Consent Regulation (PIC, Regulation (EU) 649/2012).

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

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. 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 victim 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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

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

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.
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
Avoid direct contact with spilled substances.
Avoid inhalation of vapours from spilled material.

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust.
To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on “Disposal considerations” in regard of 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.
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.
Avoid the suspension of dust in the air.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use non-sparking tools.

Recommended storage material

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

▼Storage temperature

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/m³): 724
Short term exposure limit (15 minutes) (ppm): 200
Short term exposure limit (15 minutes) (mg/m³): 966

—
5-methylhexan-2-one isoamyl methyl ketone
Long term exposure limit (8 hours) (ppm): 20
Long term exposure limit (8 hours) (mg/m³): 95
Short term exposure limit (15 minutes) (ppm): 100
Short term exposure limit (15 minutes) (mg/m³): 475
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

—
acetone propan-2-one propanone
Long term exposure limit (8 hours) (ppm): 500
Long term exposure limit (8 hours) (mg/m³): 1210
Short term exposure limit (15 minutes) (ppm): 1500
Short term exposure limit (15 minutes) (mg/m³): 3620

—
butanone ethyl methyl ketone
Long term exposure limit (8 hours) (ppm): 200
Long term exposure limit (8 hours) (mg/m³): 600
Short term exposure limit (15 minutes) (ppm): 300
Short term exposure limit (15 minutes) (mg/m³): 899
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

3-,3-sulfanylpropanoyl,oxy,-2,2-bis,3-sulfanylpropanoyl,oxy,methyl,propyl,3-sulfanylpropanoate

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	2.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	7 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	870 µg/m³
Long term – Systemic effects - Workers	Inhalation	4.93 mg/m³

Long term – Systemic effects - General population	Oral	250 µg/kgbw/day

5-methylhexan-2-one isoamyl methyl ketone

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	5.12 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	14.2 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	17.812 mg/m³
Long term – Systemic effects - Workers	Inhalation	100.25 mg/m³
Short term – Systemic effects - General population	Inhalation	146.5 mg/m³
Short term – Systemic effects - Workers	Inhalation	196.3 mg/m³
Long term – Systemic effects - General population	Oral	5.12 mg/kg bw/day

acetone propan-2-one propanone

Duration	Route of exposure	DNEL
Long term	-	
Short term	-	

butanone ethyl methyl ketone

Duration	Route of exposure	DNEL
Long term	-	
Short term	-	
Long term – Systemic effects - General population	Dermal	412 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	1161 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	106 mg/m³
Long term – Systemic effects - Workers	Inhalation	600 mg/m³
Long term – Systemic effects - General population	Oral	31 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

PNEC

3-,3-sulfanylpropanoyl,oxy,-2,2-bis,3-sulfanylpropanoyl,oxy,methyl,propyl,3-sulfanylpropanoate

Route of exposure	Duration of Exposure	PNEC
Freshwater		420 ng/L
Freshwater sediment		18 µg/kg
Intermittent release (freshwater)		4.2 µg/L
Marine water		42 ng/L
Marine water sediment		1.81 µg/kg
Sewage treatment plant		2.39 mg/L
Soil		3.37 µg/kg

5-methylhexan-2-one isoamyl methyl ketone

Route of exposure	Duration of Exposure	PNEC
Freshwater		100 µg/L
Freshwater sediment		589.6 µg/kg
Intermittent release (freshwater)		1 mg/L
Marine water		10 µg/L
Marine water sediment		58.96 µg/kg
Sewage treatment plant		100 mg/L
Soil		59.2 µg/kg

butanone ethyl methyl ketone

Route of exposure	Duration of Exposure	PNEC
Freshwater		55.8 mg/L
Freshwater sediment		284.74 mg/kg
Intermittent release (freshwater)		55.8 mg/L
Marine water		55.8 mg/L
Marine water sediment		284.7 mg/kg
Predators		1 g/kg
Sewage treatment plant		709 mg/L
Soil		22.5 mg/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

8.2. Exposure controls

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

General recommendations

When transferring the materials, dust clouds should be kept at an absolute minimum. Handling should be slow and deliberate. The materials should be transferred from one container to another using a non-sparking, conductive metal scoop.

When mixing the material with other dry ingredients, frictional heat should be avoided. The best type of mixer for a dry mixing operation is one that contains no moving parts, but rather affects a tumbling action, such as a conical blender. Introduction of an inert atmosphere in the blender is highly recommended since dust clouds are generated. All equipment must be well grounded.

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 emergency eyewash and -showers are clearly marked.

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. Always wash 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	
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.				

Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.	-	-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	-	-	EN374-2	

Eye protection

Type	Standards	
Face shield alternatively safety glasses with side shields.	EN166	

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/cm³)
0.913 (20 °C)

Kinematic viscosity
11 - 13 s (20 °C)

Particle characteristics
No data available

Phase changes

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

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

Boiling point (°C)
56

Vapour pressure
233 hPa (20 °C)

Relative vapour density
No data available

Decomposition temperature (°C)
No data available

Data on fire and explosion hazards

Flash point (°C)
-17

Ignition (°C)
370

Auto flammability (°C)
Not applicable

Lower and upper explosion limit (% v/v)
1.2 - 13

Solubility

Solubility in water
Practically insoluble

n-octanol/water coefficient
No data available

Solubility in fat (g/L)
No data available

9.2. Other information

Formation of explosible dust/air mixtures
Yes

Evaporation rate (n-butylacetate = 100)
No data available

VOC (g/L)

620

Other physical and chemical parameters

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

No special

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.
Avoid the suspension of dust in the air.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

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
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	10768 mg/kg ·
Other information	

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

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

Product/substance	n-butyl acetate
Test method	

Species	Rat
Route of exposure	Dermal
Test	LD50
Result	10760 mg/kg ·
Other information	

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

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

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

Product/substance	acetone propan-2-one propanone
Test method	
Species	Rabbit
Route of exposure	Oral
Test	LD50
Result	5300 mg/kg ·
Other information	

Product/substance	acetone propan-2-one propanone
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	20000 mg/kg ·
Other information	

Product/substance	acetone propan-2-one propanone
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50

Result	39 mg/m3 ·
Other information	

Product/substance	acetone propan-2-one propanone
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	5800 mg/kg ·
Other information	

Product/substance	acetone propan-2-one propanone
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	39 mg/m³ ·
Other information	

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

Product/substance	Hydrocarbons, C9, aromatics
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	160 mg/kg bw ·
Other information	

Product/substance	butanone ethyl methyl ketone
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	2737 mg/kg ·
Other information	

Product/substance	butanone ethyl methyl ketone
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	6480 mg/kg ·
Other information	

Product/substance	butanone ethyl methyl ketone
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	34 mg/m3 ·
Other information	

Product/substance	dibutyltin,dilaurate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	500-2000 mg/kg ·
Other information	

Product/substance	dibutyltin,dilaurate
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>1000 mg/kg ·
Other information	

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes serious eye irritation.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of 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.

Endocrine disrupting properties

No special

Other information

No special

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	n-butyl acetate
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	18 mg/L ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	100 mg/L ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	185 mg/L ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	62 mg/L ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Crustacean
Compartment	

Duration	48 hours
Test	EC50
Result	32 mg/L ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	44 mg/L ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Algae
Compartment	
Duration	96 hours
Test	EC50
Result	320 mg/L ·
Other information	

Product/substance	n-butyl acetate
Test method	
Species	Daphnia
Compartment	
Duration	24 hours
Test	LC50
Result	205 mg/L ·
Other information	

Product/substance	acetone propan-2-one propanone
Test method	
Species	Crustacean
Compartment	
Duration	48 hours
Test	EC50
Result	39 mg/l ·
Other information	

Product/substance	acetone propan-2-one propanone
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	5000 mg/l ·
Other information	

Product/substance	acetone propan-2-one propanone

Test method	
Species	Fish
Compartment	
Duration	14 days
Test	LC50
Result	4042 mg/l ·
Other information	

Product/substance	acetone propan-2-one propanone
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	5540 mg/L ·
Other information	

Product/substance	acetone propan-2-one propanone
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	LC50
Result	2262 mg/L ·
Other information	

Product/substance	acetone propan-2-one propanone
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	8800 mg/L ·
Other information	

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

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

Other information

Product/substance	dibutyltin,dilaurate
Test method	
Species	Daphnia
Compartment	
Duration	No data available.
Test	EC50
Result	2,28 mg/l ·
Other information	

Product/substance	dibutyltin,dilaurate
Test method	
Species	Crustacean
Compartment	
Duration	3 hours
Test	EC50
Result	>1000 mg/l ·
Other information	

Product/substance	dibutyltin,dilaurate
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	>1 mg/l ·
Other information	

Product/substance	dibutyltin,dilaurate
Test method	
Species	Fish
Compartment	
Duration	48 hours
Test	LC50
Result	2,04 mg/l ·
Other information	

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

No special

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 4 - Irritant (skin irritation and eye damage)
HP 6 - Acute toxicity
HP 14 – Ecotoxic
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

Specific labelling

Not applicable

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	Class: 3 Labels: 3 Classification code: F1 	II	Yes	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1263	PAINT	Class: 3 Labels: 3 Classification code: F1 	II	Yes	Limited quantities: 5 L EmS: F-E S-E See below for additional information.
IATA	UN1263	PAINT	Class: 3 Labels: 3 Classification code: F1 	II	Yes	See below for additional information.

* Packing group
** Environmental hazards

▼Additional information

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 the Dangerous Goods List, 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.
This product is within scope of the regulations of transport of dangerous goods.

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
E2 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 200 tonnes / (upper-tier): 500 tonnes

Regulation on drug precursors

acetone propan-2-one propanone is included (Category 3)
butanone ethyl methyl ketone is included (Category 3)

Regulation on explosives precursors

acetone propan-2-one propanone (Annex II)

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.
Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals as retained and amended in UK law.
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.
The Controlled Drugs (Drug Precursors) Regulations 2008
Council Regulation (EC) No 2019/1148 on explosives precursors 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.

H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H314, Causes severe skin burns and eye damage.
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.
H341, Suspected of causing genetic defects.
H360FD, May damage fertility. May damage the unborn child.
H361f, Suspected of damaging fertility.
H370, Causes damage to organs.
H372, Causes 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
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
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
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 substance/mixture in regard of 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 blue 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