

EU safety data sheet

Trade name: Black Witch

Current version : 7.0.0, issued: 14.06.2023

Replaced version: 6.0.0, issued: 17.12.2021

Region: GB

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

1.1 Product identifier

Trade name

Black Witch

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

Relevant identified uses of the substance or mixture

Flexible adhesive for rubber and neoprene.

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Gear Aid Europe GmbH

Saarstrasse 5

29664 Walsrode

Telephone no. +49 (0)5161-41805-0

Fax no. +49 (0)5161-418-0511

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 2; H411

Eye Irrit. 2; H319

Flam. Liq. 2; H225

Skin Irrit. 2; H315

STOT SE 3; H336

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS02



GHS07



GHS09

Signal word

Danger

Hazardous component(s) to be indicated on label:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
butanone

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ethyl-acetate

Hazard statement(s)

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH208	Contains Colophony. May produce an allergic reaction.
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Precautionary statement(s)

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P370+P378	In case of fire: Use water spray, carbon dioxide, dry chemical or foam to extinguish.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point.

Supplemental label elements

This product is not to be used under conditions of poor ventilation.

This product is not to be used for carpet laying.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Additional information	%
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane				
	64742-49-0 921-024-6 - 01-2119475514-35		Aquatic Chronic 2; H411 Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304	>= 25.00 - < 50.00	wt%
2	butanone				
	78-93-3 201-159-0 606-002-00-3 01-2119457290-43		Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	>= 25.00 - < 50.00	wt%
3	ethyl-acetate				
	141-78-6 205-500-4 607-022-00-5 01-2119475103-46		EUH066 Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	>= 10.00 - < 25.00	wt%
4	zinc oxide				

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	1314-13-2 215-222-5 030-013-00-7 01-2119463881-32	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.25 - < 2.50	wt%
5	Colophony 8050-09-7 232-475-7 650-015-00-7 -	Skin Sens. 1; H317	< 0.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
4	-	-	M = 1	M = 1

3.3 Other information

EG 921-024-6: Contains: CAS 71-43-2: <0,1%, CAS 110-82-7: <25%, CAS 110-54-3: <5%

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Ensure supply of fresh air. Remove affected person from the immediate area. If unconscious place in recovery position and seek medical advice.

After skin contact

When in contact with the skin, clean with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). In case of irritation consult an ophthalmologist.

After ingestion

Call a doctor immediately. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam; Carbon dioxide; Dry chemical extinguisher; Water spray jet

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In case of fires, hazardous combustion gases are formed: Carbon dioxide (CO₂); Carbon monoxide (CO); Hydrogen chloride (HCl)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, sawdust, general-purpose binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke during work time. After worktime and during work intervals the affected skin areas must be thoroughly cleaned. Avoid contact with eyes and skin. Do not inhale vapours. Remove soiled or soaked clothing immediately.

Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention. Keep away from ignition sources and provide for good ventilation. Vapours can form an explosive mixture with air.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Keep from freezing. Protect from heat and direct sunlight.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage.

Incompatible products

Do not store together with: oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	butanone	78-93-3	201-159-0
	2000/39/EC		
	Butanone		
	WEL short-term (15 min reference period)	900	mg/m ³
	WEL long-term (8-hr TWA reference period)	600	mg/m ³
	List of approved workplace exposure limits (WELs) / EH40		
	Butan-2-one		
	WEL short-term (15 min reference period)	899	mg/m ³
	WEL long-term (8-hr TWA reference period)	600	mg/m ³

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Comments	Sk, BMGV		
2 ethyl-acetate	141-78-6	205-500-4	
2017/164/EU			
Ethyl acetate			
WEL short-term (15 min reference period)	1468	mg/m ³	400 ppm
WEL long-term (8-hr TWA reference period)	734	mg/m ³	200 ppm
List of approved workplace exposure limits (WELs) / EH40			
Ethyl acetate			
WEL short-term (15 min reference period)			400 ppm
WEL long-term (8-hr TWA reference period)			200 ppm

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			64742-49-0 921-024-6
	dermal	Long term (chronic)	systemic	773 mg/kg/day
	inhalative	Long term (chronic)	systemic	2035 mg/m ³
2	butanone			78-93-3 201-159-0
	dermal	Long term (chronic)	systemic	1161 mg/kg/day
	inhalative	Long term (chronic)	systemic	600 mg/m ³
	inhalative	Short term (acut)	systemic	900 mg/m ³
3	ethyl-acetate			141-78-6 205-500-4
	dermal	Long term (chronic)	systemic	63 mg/kg/day
	inhalative	Long term (chronic)	systemic	734 mg/m ³
	inhalative	Short term (acut)	systemic	1468 mg/m ³
	inhalative	Long term (chronic)	local	734 mg/m ³
	inhalative	Short term (acut)	local	1468 mg/m ³
4	zinc oxide			1314-13-2 215-222-5
	dermal	Long term (chronic)	systemic	83 mg/kg/day
	with reference to: Zn			
	Comments: insoluble			
	inhalative	Long term (chronic)	systemic	5 mg/m ³
	with reference to: Zn			
	Comments: insoluble			
	inhalative	Long term (chronic)	local	0.5 mg/m ³
	with reference to: Zn			
	Comments: insoluble			

DNEL value (consumer)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			64742-49-0 921-024-6
	oral	Long term (chronic)	systemic	699 mg/kg/day
	dermal	Long term (chronic)	systemic	699 mg/kg/day
	inhalative	Long term (chronic)	systemic	608 mg/m ³
2	butanone			78-93-3 201-159-0
	oral	Long term (chronic)	systemic	31 mg/kg/day
	dermal	Long term (chronic)	systemic	412 mg/kg/day
	inhalative	Long term (chronic)	systemic	106 mg/m ³
	inhalative	Short term (acut)	systemic	450 mg/m ³
3	ethyl-acetate			141-78-6 205-500-4
	oral	Long term (chronic)	systemic	4.5 mg/kg/day

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dermal	Long term (chronic)	systemic	37	mg/kg/day
inhalative	Long term (chronic)	systemic	367	mg/m ³
inhalative	Short term (acut)	systemic	734	mg/m ³
inhalative	Long term (chronic)	local	367	mg/m ³
inhalative	Short term (acut)	local	734	mg/m ³
4	zinc oxide		1314-13-2 215-222-5	
oral	Long term (chronic)	systemic	0.83	mg/kg/day
with reference to: Zn				
Comments: insoluble				
dermal	Long term (chronic)	systemic	83	mg/kg/day
with reference to: Zn				
Comments: insoluble				
inhalative	Long term (chronic)	systemic	2.5	mg/m ³
with reference to: Zn				
Comments: insoluble				

PNEC values

No	Substance name	CAS / EC no
	ecological compartment	Type
1	ethyl-acetate	141-78-6 205-500-4
	water	fresh water
	water	marine water
	water	fresh water sediment
	water	marine water sediment
	soil	-
	sewage treatment plant	-
	secondary poisoning	-
	with reference to: food	0.2 g/kg
2	zinc oxide	1314-13-2 215-222-5
	water	fresh water
	with reference to: Zn	20.6 µg/L
	water	marine water
	with reference to: Zn	6.1 µg/L
	water	fresh water sediment
	water	marine water sediment
	with reference to: Zn, dry weight	117.8 mg/kg
	soil	-
	with reference to: Zn, dry weight	35.6 mg/kg
	sewage treatment plant	-
		100 µg/L

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator A2 (DIN EN 14387 / DIN EN 141)

Eye / face protection

Safety glasses (EN 166)

Hand protection

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Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material butyl rubber
 Material thickness 0.7 mm

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation				
liquid				
Form				
liquid, viscous				
Colour				
black				
Odour				
like solvents				
pH value				
No data available				
Boiling point / boiling range				
Value		77 °C		
Source	supplier			
Melting point/freezing point				
No data available				
Decomposition temperature				
No data available				
Flash point				
Value		-19 °C		
Source	supplier			
Ignition temperature				
No data available				
Auto-ignition temperature				
Value	>	200 °C		
Source	supplier			
Flammability				
No data available				
Lower explosion limit				
Value		0.6 % vol		
Source	supplier			
Upper explosion limit				
Value		11.5 % vol		
Source	supplier			
Vapour pressure				
Value		104 hPa		

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Reference temperature	20	°C
Source	supplier	

Relative vapour density

No data available

Relative density

No data available

Density

Value	0.86	g/cm ³
Reference temperature	20	°C
Source	supplier	

Solubility in water

Source	supplier
Comments	partly soluble

Solubility

No data available

Partition coefficient n-octanol/water (log value)

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	64742-49-0	921-024-6
	log Pow	2.96	- 3.78
	Reference temperature	20	°C
	with reference to	pH 7	
	Method	QSAR	
	Source	ECHA	
2	butanone	78-93-3	201-159-0
	log Pow	0.3	
	Reference temperature	40	°C
	Method	OECD 117	
	Source	ECHA	
3	ethyl-acetate	141-78-6	205-500-4
	log Pow	0.68	
	Reference temperature	25	°C
	Source	ECHA	

Kinematic viscosity

Value	3200	mPa*s
Reference temperature	20	°C
Type	dynamic	
Method	Brookfield	
Source	supplier	

Solvent content

Value	75	%
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Particle characteristics

No data available

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

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10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

strong oxidizing agents

10.6 Hazardous decomposition products

In case of fire: see section 5.

SECTION 11: Toxicological information

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

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	butanone	78-93-3	201-159-0
LD50		2054	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA / Read across		
2	ethyl-acetate	141-78-6	205-500-4
LD50	>	5600	mg/kg bodyweight
Species	rat		
Source	ECHA		
3	zinc oxide	1314-13-2	215-222-5
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
LD50	>	20000	mg/kg bodyweight
Species	rabbit		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	64742-49-0	921-024-6
LC50	>	25.2	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	zinc oxide	1314-13-2	215-222-5
LC50	>	5.7	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	64742-49-0	921-024-6
Species	rabbit		

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Method	OECD 404
Source	ECHA
Evaluation	irritant
Evaluation/classification	Based on available data, the classification criteria are met.
2 butanone	78-93-3 201-159-0
Duration of exposure	4 h
Species	rabbit
Method	OECD 404
Source	ECHA / Read across
Evaluation	non-irritant
3 ethyl-acetate	141-78-6 205-500-4
Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	low-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.
4 zinc oxide	1314-13-2 215-222-5
Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	non-irritant

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1 butanone		78-93-3	201-159-0

Species	rabbit	
Method	OECD 405	
Source	ECHA	
Evaluation	irritant	
2 ethyl-acetate	141-78-6 205-500-4	
Species	rabbit	
Method	OECD 405	
Source	ECHA	
Evaluation	low-irritant	
3 zinc oxide	1314-13-2 215-222-5	
Species	rabbit	
Method	OECD 405	
Source	ECHA	
Evaluation	non-irritant	

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1 butanone		78-93-3	201-159-0

Route of exposure	Skin	
Species	guinea pig	
Method	OECD 406	
Source	ECHA	
Evaluation	non-sensitizing	
2 ethyl-acetate	141-78-6 205-500-4	
Route of exposure	Skin	
Species	guinea pig	
Method	OECD 406	
Source	ECHA	
Evaluation	non-sensitizing	
3 zinc oxide	1314-13-2 215-222-5	
Route of exposure	respiratory tract	
Source	ECHA	
Evaluation	non-sensitizing	
Evaluation/classification	Based on available data, the classification criteria are not met.	
Route of exposure	Skin	
Species	Guinea pig	
Method	OECD 406	

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Source	ECHA	
Evaluation	non-sensitizing	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Germ cell mutagenicity		
No	Substance name	CAS no.
1	butanone	78-93-3
Type of examination		in vitro gene mutation study in bacteria
Species		Salmonella typhimurium
Method		OECD 471
Source		ECHA
Evaluation/classification		Based on available data, the classification criteria are not met.
Type of examination		In vitro Mammalian Chromosomal Aberration Test
Species		rat
Method		OECD 473
Source		ECHA
Evaluation/classification		Based on available data, the classification criteria are not met.
Type of examination		In vitro mammalian cell gene mutation test
Species		Mouse lymphoma cells
Method		OECD 476
Source		ECHA
Evaluation/classification		Based on available data, the classification criteria are not met.
Type of examination		In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus
Species		mouse
Method		OECD 474
Source		ECHA
Evaluation/classification		Based on available data, the classification criteria are not met.

Reproduction toxicity		
No	Substance name	CAS no.
1	butanone	78-93-3
Route of exposure		inhalational
Type of examination		Prenatal Developmental Toxicity Study
Species		rat
Method		OECD 414
Source		ECHA
Evaluation/classification		Based on available data, the classification criteria are not met.

Carcinogenicity		
No	Substance name	CAS no.
1	butanone	78-93-3
Source		ECHA
Evaluation/classification		Based on available data, the classification criteria are not met.

STOT - single exposure		
No	Substance name	CAS no.
1	ethyl-acetate	141-78-6
Route of exposure		inhalational
NOEC		350 ppm
Species		rat
Source		ECHA
Effects		May cause drowsiness or dizziness.
Evaluation/classification		Based on available data, the classification criteria are met.

STOT - repeated exposure		
No	Substance name	CAS no.
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	64742-49-0
Route of exposure		inhalational
NOAEC		14000 mg/m³
Species		rat
Source		ECHA

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2 butanone	78-93-3	201-159-0
Route of exposure	inhalational	
Species	rat	
Method	OECD 413	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Aspiration hazard
No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure
Inhalation of vapours may lead to headache, drowsiness and dizziness. Irritates the eyes and the skin.

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	64742-49-0	921-024-6
LC50		11.4	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2 butanone	78-93-3	201-159-0	
LC50		2973	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
3 ethyl-acetate	141-78-6	205-500-4	
LC50		220	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Source	ECHA		

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	64742-49-0	921-024-6
EL50		3	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		
2 butanone	78-93-3	201-159-0	
EC50		308	mg/l
Duration of exposure		48	h
Species	Daphnia magna		

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Method	OECD 202	
Source	ECHA	
3 ethyl-acetate	141-78-6	205-500-4
EC50	3090	mg/l
Duration of exposure	24	h
Species	Daphnia magna	
Source	ECHA	

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
NOEC		2.4	mg/l
Species	Daphnia magna		
Method	OECD 211		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	64742-49-0	921-024-6
EL50		30	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2 butanone	78-93-3	201-159-0	
EC50		1220	mg/l
Duration of exposure		96	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
NOEC		> 100	mg/l
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Bacteria toxicity			
No data available			

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	64742-49-0	921-024-6
Value		98	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
2 butanone	78-93-3	201-159-0	
Type	aerobic biodegradation		
Value		98	%
Duration		28	day(s)
Method	OECD 301 D		
Source	ECHA		
Evaluation	readily biodegradable		
3 ethyl-acetate	141-78-6	205-500-4	
Type	COD		
Value		1.69	g O ₂ /g
Source	ECHA		

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Evaluation	readily biodegradable
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12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)		CAS no.	EC no.
No	Substance name		
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	64742-49-0	921-024-6
log Pow		2.96	- 3.78
Reference temperature		20	°C
with reference to	pH 7		
Method	QSAR		
Source	ECHA		
2	butanone	78-93-3	201-159-0
log Pow		0.3	
Reference temperature		40	°C
Method	OECD 117		
Source	ECHA		
3	ethyl-acetate	141-78-6	205-500-4
log Pow		0.68	
Reference temperature		25	°C
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	3
Classification code	F1
Packing group	I
Hazard identification no.	33
UN number	UN1133
Proper shipping name	ADHESIVES
Tunnel restriction code	D/E
Label	3
Environmentally hazardous substance mark	Symbol "fish and tree"

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Region: GB

14.2 Transport IMDG

Class	3
Packing group	I
UN number	UN1133
Proper shipping name	ADHESIVES
Technical name	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
EmS	F-E, S-D
Label	3
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	3
Packing group	I
UN number	UN1133
Proper shipping name	Adhesives
Label	3

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3, 40

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	butanone	78-93-3	201-159-0	75
2	Colophony	8050-09-7	232-475-7	75
3	ethyl-acetate	141-78-6	205-500-4	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category: E2, P5b

If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)

VOC content	75.03	%
VOC-value	645.5	g/l

