

**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.

**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	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>		
	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	<b>butanone</b>		
	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	<b>ethyl-acetate</b>		
	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	<b>zinc oxide</b>		

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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	<b>Colophony</b>			
	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: &lt;0,1%, CAS 110-82-7: &lt;25%, CAS 110-54-3: &lt;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 (CO<sub>2</sub>); 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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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/m³	300	ppm
	WEL long-term (8-hr TWA reference period)	600	mg/m³	200	ppm
	List of approved workplace exposure limits (WELs) / EH40				
	Butan-2-one				
	WEL short-term (15 min reference period)	899	mg/m³	300	ppm
	WEL long-term (8-hr TWA reference period)	600	mg/m³	200	ppm

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Comments		Sk, BMGV	
2	<b>ethyl-acetate</b>	<b>141-78-6</b>	<b>205-500-4</b>
<b>2017/164/EU</b>			
Ethyl acetate			
	WEL short-term (15 min reference period)	1468	mg/m <sup>3</sup> 400 ppm
	WEL long-term (8-hr TWA reference period)	734	mg/m <sup>3</sup> 200 ppm
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
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	<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>			<b>64742-49-0</b> <b>921-024-6</b>	
	dermal	Long term (chronic)	systemic	773	mg/kg/day
	inhalative	Long term (chronic)	systemic	2035	mg/m <sup>3</sup>
2	<b>butanone</b>			<b>78-93-3</b> <b>201-159-0</b>	
	dermal	Long term (chronic)	systemic	1161	mg/kg/day
	inhalative	Long term (chronic)	systemic	600	mg/m <sup>3</sup>
	inhalative	Short term (acute)	systemic	900	mg/m <sup>3</sup>
3	<b>ethyl-acetate</b>			<b>141-78-6</b> <b>205-500-4</b>	
	dermal	Long term (chronic)	systemic	63	mg/kg/day
	inhalative	Long term (chronic)	systemic	734	mg/m <sup>3</sup>
	inhalative	Short term (acute)	systemic	1468	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	734	mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	1468	mg/m <sup>3</sup>
4	<b>zinc oxide</b>			<b>1314-13-2</b> <b>215-222-5</b>	
	dermal	Long term (chronic)	systemic	83	mg/kg/day
	with reference to: Zn Comments: insoluble				
	inhalative	Long term (chronic)	systemic	5	mg/m <sup>3</sup>
	with reference to: Zn Comments: insoluble				
	inhalative	Long term (chronic)	local	0.5	mg/m <sup>3</sup>
	with reference to: Zn Comments: insoluble				

### DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>			<b>64742-49-0</b> <b>921-024-6</b>	
	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 <sup>3</sup>
2	<b>butanone</b>			<b>78-93-3</b> <b>201-159-0</b>	
	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 <sup>3</sup>
	inhalative	Short term (acute)	systemic	450	mg/m <sup>3</sup>
3	<b>ethyl-acetate</b>			<b>141-78-6</b> <b>205-500-4</b>	
	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 <sup>3</sup>
	inhalative	Short term (acut)	systemic	734	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	367	mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	734	mg/m <sup>3</sup>
4	<b>zinc oxide</b>			<b>1314-13-2</b> <b>215-222-5</b>	
	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 <sup>3</sup>
	with reference to: Zn Comments: insoluble				

## PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	<b>ethyl-acetate</b>		<b>141-78-6</b> <b>205-500-4</b>	
	water	fresh water	0.24	mg/L
	water	marine water	0.024	mg/L
	water	fresh water sediment	1.15	mg/kg dry weight
	water	marine water sediment	0.115	mg/kg dry weight
	soil	-	0.148	mg/kg dry weight
	sewage treatment plant	-	650	mg/L
	secondary poisoning	-	0.2	g/kg
	with reference to: food			
2	<b>zinc oxide</b>		<b>1314-13-2</b> <b>215-222-5</b>	
	water	fresh water	20.6	µg/L
	with reference to: Zn			
	water	marine water	6.1	µg/L
	with reference to: Zn			
	water	fresh water sediment	117.8	mg/kg
	water	marine water sediment	56.5	mg/kg
	with reference to: Zn, dry weight			
	soil	-	35.6	mg/kg
	with reference to: Zn, dry weight			
	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**

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

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Reference temperature	20 °C
Source	supplier

<b>Relative vapour density</b>
No data available

<b>Relative density</b>
No data available

Density		
Value	0.86	g/cm³
Reference temperature	20	°C
Source	supplier	

Solubility in water	
Source	supplier
Comments	partly soluble

<b>Solubility</b>
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	%

<b>Particle characteristics</b>
No data available

## 9.2 Other information

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

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>butanone</b>	<b>78-93-3</b>	<b>201-159-0</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
<b>2</b>	<b>ethyl-acetate</b>	<b>141-78-6</b>	<b>205-500-4</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	low-irritant		
<b>3</b>	<b>zinc oxide</b>	<b>1314-13-2</b>	<b>215-222-5</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>butanone</b>	<b>78-93-3</b>	<b>201-159-0</b>
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
<b>2</b>	<b>ethyl-acetate</b>	<b>141-78-6</b>	<b>205-500-4</b>
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
<b>3</b>	<b>zinc oxide</b>	<b>1314-13-2</b>	<b>215-222-5</b>
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.	EC no.
1	butanone	78-93-3	201-159-0
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.	EC no.
1	butanone	78-93-3	201-159-0
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.	EC no.
1	butanone	78-93-3	201-159-0
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**STOT - single exposure**

No	Substance name	CAS no.	EC no.
1	ethyl-acetate	141-78-6	205-500-4
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.	EC no.
1	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	64742-49-0	921-024-6
Route of exposure	inhalational		
NOAEC		14000	mg/m <sup>3</sup>
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
<b>3 ethyl-acetate</b>	<b>141-78-6</b> <b>205-500-4</b>
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.
<b>1</b>	<b>ethyl-acetate</b>	<b>141-78-6</b>	<b>205-500-4</b>
NOEC		2.4	mg/l
Species	Daphnia magna		
Method	OECD 211		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>	<b>64742-49-0</b>	<b>921-024-6</b>
EL50		30	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
<b>2 butanone</b>	<b>78-93-3</b>	<b>201-159-0</b>	
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.
<b>1</b>	<b>ethyl-acetate</b>	<b>141-78-6</b>	<b>205-500-4</b>
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.
<b>1</b>	<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>	<b>64742-49-0</b>	<b>921-024-6</b>
Value		98	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
<b>2 butanone</b>	<b>78-93-3</b>	<b>201-159-0</b>	
Type	aerobic biodegradation		
Value		98	%
Duration		28	day(s)
Method	OECD 301 D		
Source	ECHA		
Evaluation	readily biodegradable		
<b>3 ethyl-acetate</b>	<b>141-78-6</b>	<b>205-500-4</b>	
Type	COD		
Value		1.69	g O2/g
Source	ECHA		

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Evaluation readily biodegradable

**12.3 Bioaccumulative potential**

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	

**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"

**Trade name:** Black Witch**Current version :** 7.0.0, issued: 14.06.2023**Replaced version:** 6.0.0, issued: 17.12.2021**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
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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
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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

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## 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

### Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH066	Repeated exposure may cause skin dryness or cracking.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

### Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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