

**DEKAPREN 1513/4**

Revision: 30.04.2026

Product code: 1078

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

**1.1. Product identifier**

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UFI: SHRT-3K4T-500A-0F7S

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

**Use of the substance/mixture**

Sizing agent

**Uses advised against**

No further relevant information available.

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer**

Company name:	DINOL GmbH	
Street:	Pyrmonter Strasse 76	
Place:	D-32676 Luegde	
Telephone:	+ 49 (0) 5281 982980	Telefax: + 49 (0) 5281 9829860
E-mail:	msds@dinol.com	
Contact person:	Labor	
Internet:	www.dinol.com	
Responsible Department:	msds@dinol.com	

**Supplier**

Company name:	Leading Solvent Supplies Limited
Street:	Marston Business Park, Rudgate
Place:	GB Tockwith, York YO26 7QF
E-mail:	enquiries@leading-solvents.co.uk
Internet:	www.leading-solvents.co.uk

**1.4. Emergency telephone number:**

Giftnotruf Berlin: +49 30 30686 700 (Beratung in Deutsch und Englisch)

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Regulation (EC) No 1272/2008**

Flam. Liq. 2; H225  
 Carc. 2; H351  
 Eye Irrit. 2; H319  
 STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

**2.2. Label elements**

**Regulation (EC) No 1272/2008**

**Hazard components for labelling**

acetone; propan-2-one; propanone  
 ethyl acetate  
 methyl acetate  
 4-methylpentan-2-one, isobutyl methyl ketone

**Signal word:** Danger

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**Pictograms:**



**Hazard statements**

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- EUH066 Repeated exposure may cause skin dryness or cracking.

**Precautionary statements**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P243 Take action to prevent static discharges.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

**Special labelling**

Restricted to professional users.

**Labelling of packages where the contents do not exceed 125 ml**

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

H351

**Precautionary statements**

P280-P405

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

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**Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
67-64-1	acetone; propan-2-one; propanone			35 - < 40 %
	200-662-2	606-001-00-8	01-2119471330-49	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
141-78-6	ethyl acetate			15 - < 20 %
	205-500-4	607-022-00-5	01-2119475103-46	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
79-20-9	methyl acetate			5 - < 10 %
	201-185-2		01-2119459211-47	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
108-10-1	4-methylpentan-2-one, isobutyl methyl ketone			1 - < 5 %
	203-550-1	606-004-00-4	01-2119473980-30	
	Flam. Liq. 2, Carc. 2, Acute Tox. 4, Eye Irrit. 2, STOT SE 3; H225 H351 H332 H319 H336 EUH066			
123-86-4	n-butyl acetate			1 - < 5 %
	204-658-1	607-025-00-1	01-2119485493-29	
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
67-64-1	200-662-2	acetone; propan-2-one; propanone	35 - < 40 %
	inhalation: LC50 = 76 mg/l (vapours); dermal: LD50 = 7426-15800 mg/kg; oral: LD50 = 5800 mg/kg		
141-78-6	205-500-4	ethyl acetate	15 - < 20 %
	inhalation: LC50 = 50 mg/l (vapours); dermal: LD50 = >20000 mg/kg; oral: LD50 = 5620 mg/kg		
79-20-9	201-185-2	methyl acetate	5 - < 10 %
	inhalation: LC50 = >49 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg		
108-10-1	203-550-1	4-methylpentan-2-one, isobutyl methyl ketone	1 - < 5 %
	inhalation: ATE 11 mg/l (vapours); oral: LD50 = 2080 mg/kg		
123-86-4	204-658-1	n-butyl acetate	1 - < 5 %
	inhalation: LC50 = > 21 mg/l (vapours); inhalation: LC50 = >21 mg/l (dusts or mists); dermal: LD50 = > 14112 mg/kg; oral: LD50 = 10760 mg/kg		

**Further Information**

Full text of H- and EUH-statements: see section 16.

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**
**General information**

In all cases of doubt, or when symptoms persist, seek medical advice.

Never give anything by mouth to an unconscious person or a person with cramps.

If unconscious but breathing normally, place in recovery position and seek medical advice.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest.

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**After contact with skin**

Change contaminated clothing.  
After contact with skin, wash immediately with plenty of water and soap.

**After contact with eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing. Seek medical advice immediately.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious).  
Do NOT induce vomiting.  
Call a physician immediately.  
Put victim at rest, cover with a blanket and keep warm.

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

No further relevant information available.

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

No information available.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder,

**Unsuitable extinguishing media**

High power water jet. water

**5.2. Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3. Advice for firefighters**

Use appropriate respiratory protection.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**General advice**

Provide adequate ventilation.  
Wear personal protection equipment.  
Avoid contact with skin, eyes and clothes.  
Avoid breathing dust/fume/gas/mist/vapours/spray.

**For emergency responders**

For further specification, refer to section 8 of the SDS.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

**For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

**For cleaning up**

Provide adequate ventilation.

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Clear contaminated areas thoroughly.  
Do not rinse down with water.

**Other information**

No information available.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used.  
Do not breathe gas/fumes/vapour/spray.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.  
Take precautionary measures against static discharges.

**Advice on general occupational hygiene**

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately.  
Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store in a cool dry place.

**Hints on joint storage**

Not required.

**Further information on storage conditions**

Keep container tightly closed.  
Keep in a cool, well-ventilated place.

**7.3. Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

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**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
108-10-1	4-Methylpentan-2-one	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	734		TWA (8 h)	WEL
		400	1468		STEL (15 min)	WEL
79-20-9	Methyl acetate	200	616		TWA (8 h)	WEL
		250	770		STEL (15 min)	WEL

**Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
108-10-1	4-methylpentan-2-one	4-methylpentan-2-one	20 µmol/L	urine	Post shift

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**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
67-64-1	acetone; propan-2-one; propanone			
Worker DNEL, long-term		inhalation	systemic	1210 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	2420 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	186 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	200 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	62 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	62 mg/kg bw/day
141-78-6	ethyl acetate			
Worker DNEL, long-term		inhalation	systemic	734 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	1468 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	734 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	1468 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	63 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	367 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	734 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	37 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	4,5 mg/kg bw/day
79-20-9	methyl acetate			
Worker DNEL, long-term		dermal	systemic	43 mg/kg bw/day
Worker DNEL, long-term		inhalation	local	620 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	21,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	64 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	systemic	300 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	3777 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	203 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	203 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	203 mg/kg bw/day
108-10-1	4-methylpentan-2-one, isobutyl methyl ketone			
Worker DNEL, long-term		inhalation	systemic	83 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	208 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	11,8 mg/kg bw/day
Worker DNEL, acute		inhalation	systemic	208 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	83 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	14,7 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	155,2 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	14,7 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	155,2 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	4,2 mg/kg bw/day

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Consumer DNEL, long-term	dermal	systemic	4,2 mg/kg bw/day
123-86-4	n-butyl acetate		
Worker DNEL, long-term	inhalation	systemic	48 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	systemic	600 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	300 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	600 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	systemic	12 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	systemic	300 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	35,7 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	local	300 mg/m <sup>3</sup>

**PNEC values**

CAS No	Substance	Value
Environmental compartment		
67-64-1	acetone; propan-2-one; propanone	
Freshwater		10,6 mg/l
Marine water		1,06 mg/l
Freshwater sediment		30,4 mg/kg
Marine sediment		3,04 mg/kg
Microorganisms in sewage treatment plants (STP)		100 mg/l
Soil		29,5 mg/kg
141-78-6	ethyl acetate	
Freshwater		0,24 mg/l
Marine water		0,024 mg/l
Freshwater sediment		1,15 mg/kg
Marine sediment		0,115 mg/kg
Secondary poisoning		0,20 mg/kg
Microorganisms in sewage treatment plants (STP)		650 mg/l
Soil		0,148 mg/kg
108-10-1	4-methylpentan-2-one, isobutyl methyl ketone	
Freshwater		0,6 mg/l
Marine water		0,06 mg/l
Freshwater sediment		8,27 mg/kg
Marine sediment		0,83 mg/kg
Microorganisms in sewage treatment plants (STP)		27,5 mg/l
Soil		1,3 mg/kg
123-86-4	n-butyl acetate	
Freshwater		0,18 mg/l
Marine water		0,018 mg/l
Freshwater sediment		0,981 mg/kg
Marine sediment		0,0981 mg/kg
Microorganisms in sewage treatment plants (STP)		35,6 mg/l
Soil		0,0903 mg/kg

**8.2. Exposure controls**

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**Appropriate engineering controls**

Provide adequate ventilation.  
 If handled uncovered, arrangements with local exhaust ventilation should be used if possible.  
 If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Eye glasses with side protection (DIN EN 166)

**Hand protection**

Recommended glove articles :  
 FKM (fluoro rubber), Breakthrough time:: 480 min.  
 NBR (Nitrile rubber), Breakthrough time:: 480 min.  
 For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.  
 Protective gloves have to be replaced at the first sign of deterioration.  
 Protect skin by using skin protective cream.

**Skin protection**

Wear anti-static footwear and clothing

**Respiratory protection**

Work in well-ventilated zones or use proper respiratory protection.  
 gas filtering equipment (EN 141)., Filter material/medium: AX

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	light yellow transparent
Odour:	characteristic
Odour threshold:	not determined

	<b>Test method</b>
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	56 °C
Flammability:	Highly flammable
Lower explosion limits:	2,1 vol. %
Upper explosion limits:	13 vol. %
Flash point:	-17 °C
Auto-ignition temperature:	373 °C
Decomposition temperature:	not determined
pH-Value:	The study does not need to be conducted because the substance is known to be insoluble in water.
Viscosity / kinematic: (at 40 °C)	> 20,5 mm <sup>2</sup> /s
Water solubility:	Immiscible
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not determined

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Vapour pressure: (at 20 °C)	240 hPa
Vapour pressure: (at 50 °C)	828 hPa
Density (at 20 °C):	0,91 g/cm <sup>3</sup> DIN 51757
Relative vapour density:	not determined
Particle characteristics:	not applicable

**9.2. Other information**

**Information with regard to physical hazard classes**

Explosive properties	not determined
Sustained combustibility:	No data available
Self-ignition temperature	
Solid:	not self-igniting
Gas:	not self-igniting
Oxidizing properties	not determined

**Other safety characteristics**

Solvent content:	68,7 %
Solid content:	31,3%
Softening point:	not determined
Viscosity / dynamic: (at 20 °C)	4767 mPa·s

**Further Information**

No information available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

No further relevant information available.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

Carbon monoxide

**Further information**

No further relevant information available.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes**

**Acute toxicity**

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

**ATEmix tested**

	Dose	Species	Source
LC50, inhalation (vapour) (4 h)	246 - 491 mg/l		

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**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation dust/mist) &gt; 12,5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-64-1	acetone; propan-2-one; propanone				
	oral	LD50 5800 mg/kg	Rat	RTECS	
	dermal	LD50 7426-15800 mg/kg	Rabbit	IUCLID	
	inhalation (4 h) vapour	LC50 76 mg/l	Rat		
141-78-6	ethyl acetate				
	oral	LD50 5620 mg/kg	Rat		
	dermal	LD50 >20000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 50 mg/l	Rat		
79-20-9	methyl acetate				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 >49 mg/l	Rat		
108-10-1	4-methylpentan-2-one, isobutyl methyl ketone				
	oral	LD50 2080 mg/kg	Rat		
	inhalation vapour	ATE 11 mg/l			
123-86-4	n-butyl acetate				
	oral	LD50 10760 mg/kg	Rat		
	dermal	LD50 > 14112 mg/kg	Rabbit		
	inhalation vapour	LC50 > 21 mg/l	Rat		
	inhalation (4 h) dust/mist	LC50 >21 mg/l	Rat		

**Irritation and corrosivity**

Serious eye damage/eye irritation: Causes serious eye irritation.

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

Repeated exposure may cause skin dryness or cracking.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of causing cancer. (4-methylpentan-2-one, isobutyl methyl ketone)

Germ cell mutagenicity: 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. (acetone; propan-2-one; propanone)

**STOT-repeated exposure**

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

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**Aspiration hazard**

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

**Information on likely routes of exposure**

No information available.

**Specific effects in experiment on an animal**

No information available.

**Additional information on tests**

No information available.

**Practical experience**

No information available.

**11.2. Information on other hazards**
**Endocrine disrupting properties**

Endocrine disrupting potential No information available.

**Further information**

There are no data available on the preparation/mixture itself.

**SECTION 12: Ecological information**
**12.1. Toxicity**

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
67-64-1	acetone; propan-2-one; propanone					
	Acute fish toxicity	LC50 mg/l	5540	96 h	Onchorhynchus mykiss	
	Acute crustacea toxicity	EC50 mg/l	8800	48 h	Daphnia Magna	
	Algae toxicity	NOEC mg/l	4740	2 d	Selenastrum capricornutum	
141-78-6	ethyl acetate					
	Acute fish toxicity	LC50	230 mg/l	96 h	Pimephales promelas (fathead minnow)	
	Acute algae toxicity	ErC50 mg/l	3300		Desmodesmus subspicatus	48 h
	Acute crustacea toxicity	EC50	717 mg/l	48 h	Daphnia magna (Big water flea)	
	Acute bacteria toxicity	EC50 mg/l ( )	2900		Pseudomonas putida	16 h
108-10-1	4-methylpentan-2-one, isobutyl methyl ketone					
	Acute fish toxicity	LC50	179 mg/l	96 h	Danio rerio (zebrafish)	
	Acute crustacea toxicity	EC50 mg/l	>200	48 h	Daphnia magna	IUCLID
	Crustacea toxicity	NOEC mg/l	30-35	21 d	Daphnia magna	
123-86-4	n-butyl acetate					
	Acute fish toxicity	LC50	18 mg/l	96 h	Pimephales promelas (fathead minnow)	
	Acute algae toxicity	ErC50	397 mg/l	72 h	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50	44 mg/l	48 h	Daphnia magna (Big water flea)	

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**12.2. Persistence and degradability**

There are no data available on the mixture itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
67-64-1	acetone; propan-2-one; propanone			
	OECD 301 B	91%	28	
	Readily biodegradable (according to OECD criteria).			
141-78-6	ethyl acetate			
	OECD 301D/ EEC 92/69/V, C.4-E	100 %	28	
	Readily biodegradable (according to OECD criteria).			
108-10-1	4-methylpentan-2-one, isobutyl methyl ketone			
	OECD 301 F	83 %	28	
	Readily biodegradable (according to OECD criteria).			
123-86-4	n-butyl acetate			
	OECD 301D/ EEC 92/69/V, C.4-E	83%	28	
	Readily biodegradable (according to OECD criteria).			

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24
141-78-6	ethyl acetate	0,73
79-20-9	methyl acetate	0,18
108-10-1	4-methylpentan-2-one, isobutyl methyl ketone	1,38
123-86-4	n-butyl acetate	2,3

**BCF**

CAS No	Chemical name	BCF	Species	Source
67-64-1	acetone; propan-2-one; propanone	<10		

**12.4. Mobility in soil**

There are no data available on the mixture itself.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**Further information**

There are no data available on the mixture itself.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Disposal recommendations**

 Dispose of waste according to applicable legislation.  
 Do not mix with other wastes.

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**List of Wastes Code - residues/unused products**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

**Contaminated packaging**

Dispose according to legislation.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**14.1. UN number or ID number:** UN 1133  
**14.2. UN proper shipping name:** ADHESIVES  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 640D  
 Limited quantity: 5 L  
 Excepted quantity: E2  
 Transport category: 2  
 Hazard No: 33  
 Tunnel restriction code: D/E

**Other applicable information (land transport)**

Protect against: Freeze

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 640D  
 Limited quantity: 5 L  
 Excepted quantity: E2

**Other applicable information (inland waterways transport)**

Protect against: Freeze

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 1133  
**14.2. UN proper shipping name:** ADHESIVES  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3

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Special Provisions: -  
 Limited quantity: 5 L  
 Excepted quantity: E2  
 EmS: F-E, S-D

**Other applicable information (marine transport)**

Protect against: Freeze

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number or ID number:** UN 1133  
**14.2. UN proper shipping name:** ADHESIVES  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Special Provisions: A3  
 Limited quantity Passenger: 1 L  
 Passenger LQ: Y341  
 Excepted quantity: E2  
 IATA-packing instructions - Passenger: 353  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 364  
 IATA-max. quantity - Cargo: 60 L

**Other applicable information (air transport)**

Protect against: Freeze

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No  
 Marine pollutant: no

**14.6. Special precautions for user**

Warning: Flammable liquids

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information**

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Directive 2004/42/EC on VOC in paints and varnishes: 68,74 %  
 625,5 g/l  
 Information according to Directive 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

Marketing and use of explosives precursors (Regulation (EU) 2019/1148):

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

**Additional information**

Observe in addition any national regulations!

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Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 1 - slightly hazardous to water

**Additional information**

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**
**Changes**

This data sheet contains changes from the previous version in section(s): 2,16.

**Abbreviations and acronyms**

Flam. Liq. 2: Flammable liquids, hazard category 2  
 Flam. Liq. 3: Flammable liquids, hazard category 3  
 Acute Tox. 4: Acute toxicity, hazard category 4  
 Eye Irrit. 2: Eye irritation, hazard category 2  
 Carc. 2: Carcinogenicity, hazard category 2  
 STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%

**Classification for mixtures and used evaluation method**

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Carc. 2; H351	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method

**Relevant H and EUH statements (number and full text)**

H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H336 May cause drowsiness or dizziness.  
 H351 Suspected of causing cancer.  
 EUH066 Repeated exposure may cause skin dryness or cracking.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product

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named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

This safety data sheet contains only safety-related information and does not replace product information or product specifications.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*