

EU safety data sheet

Trade name: Urethan Spray

Product no.: L17

Current version : 8.0.0, issued: 01.11.2021

Replaced version: 7.2.0, issued: 04.03.2021

Region: GB

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

1.1 Product identifier

Trade name

Urethan Spray

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

Relevant identified uses of the substance or mixture

Protective and insulating enamel spray for protection against chemical attack o.

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

BBC Cellpack GmbH

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+49 (0)7741 6007-0

Advice on Safety Data Sheet

msds@cellpack.com

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)

Aerosol 1; H222

Aquatic Chronic 2; H411

Carc. 1B; H350

Skin Irrit. 2; H315

STOT RE 2; H373

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



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2	propane			
	74-98-6 200-827-9 601-003-00-5 -	Flam. Gas 1A; H220 Press. Gas	>= 10.00 - < 25.00	wt%
3	Hydrocarbons, C6, isoalkanes, <5% n-hexane			
	64742-49-0 931-254-9 - 01-2119484651-34	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	>= 10.00 - < 25.00	wt%
4	Hydrocarbons, C9, aromatics			
	64742-95-6 918-668-5 - 01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066	>= 10.00 - < 25.00	wt%
5	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			
	- 919-446-0 - 01-2119458049-33	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066 Flam. Liq. 3; H226 STOT SE 3; H336 STOT RE 1; H372	>= 5.00 - < 10.00	wt%
6	2-butanone oxime			
	96-29-7 202-496-6 616-014-00-0 -	Acute Tox. 3; H301 Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Dam. 1; H318 STOT SE 3; H336 Carc. 1B; H350 STOT SE 1; H370 STOT RE 2; H373	< 2.50	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)
1	C, U	-	-	-
2	U	-	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No	Route, target organ, concrete effect
5	H372 -; central nervous system; -
6	H370 -; upper respiratory tract; - H373 oral; blood; -

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
6	100 mg/kg bodyweight	1100 mg/kg bodyweight	

SECTION 4: First aid measures

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4.1 Description of first aid measures

General information

In all cases of doubt, or when sickness symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Remove soiled or soaked clothing immediately.

After inhalation

Remove to fresh air, keep patient warm and at rest. Irregular breathing/no breathing: artificial respiration. If unconscious place in recovery position and seek medical advice.

After skin contact

In case of contact with skin wash off immediately with copious amounts of 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).

After ingestion

Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person. Rinse out mouth and give plenty of water to drink.

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

Carbon dioxide; Extinguishing powder; Foam

Unsuitable extinguishing media

Water

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Exposure to heat may cause bursting of the aerosol packagings. Vapours can form a highly flammable mixture with air.

5.3 Advice for firefighters

Cool endangered containers with water in case of fire. When extinguishing fires, use breathing apparatus with an independent source of air. **DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES;** Suppress gases/vapours/mists with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Exclude sources of ignition and ventilate the area. Do not inhale vapours. 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 allow to enter drains. danger of explosion; If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

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6.4 Reference to other sections

No data available.

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

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Comply with the health and safety at work laws.

General protective and hygiene measures

Do not eat or drink during work - no smoking.

Advice on protection against fire and explosion

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Storage rooms must be properly ventilated.

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	butane	106-97-8	203-448-7
List of approved workplace exposure limits (WELs) / EH40			
Butane			
	WEL short-term (15 min reference period)	1810 mg/m ³	750 ppm
	WEL long-term (8-hr TWA reference period)	1450 mg/m ³	600 ppm
	Comments	Carc, (only applies if Butane contains more than 0.1% of buta-1,3-diene)	

DNEL, DMEL and PNEC values
DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane			64742-49-0 931-254-9	
	dermal	Long term (chronic)	systemic	13964	mg/kg/day
	inhalative	Long term (chronic)	systemic	5306	mg/m ³
2	Hydrocarbons, C9, aromatics			64742-95-6 918-668-5	
	dermal	Long term (chronic)	systemic	25	mg/kg/day
	inhalative	Long term (chronic)	systemic	150	mg/m ³
3	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			- 919-446-0	
	dermal	Long term (chronic)	systemic	44	mg/kg/day

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inhalative	Long term (chronic)	systemic	330	mg/m ³
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DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane			64742-49-0 931-254-9	
	oral	Long term (chronic)	systemic	1301	mg/kg/day
	dermal	Long term (chronic)	systemic	1377	mg/kg/day
	inhalative	Long term (chronic)	systemic	1131	mg/m ³
2	Hydrocarbons, C9, aromatics			64742-95-6 918-668-5	
	oral	Long term (chronic)	systemic	11	mg/kg/day
	dermal	Long term (chronic)	systemic	11	mg/kg/day
	inhalative	Long term (chronic)	systemic	32	mg/m ³
3	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			- 919-446-0	
	oral	Long term (chronic)	systemic	26	mg/kg/day
	dermal	Long term (chronic)	systemic	26	mg/kg/day
	inhalative	Long term (chronic)	systemic	71	mg/m ³

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators: Use half-mask model with cartridge or air-fed. Recommendation: gas filter AX, code colour: brown

Eye / face protection

Safety glasses (EN 166)

Hand protection

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

Other

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

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/Colour
Aerosol
colourless

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Odour			
characteristic			
pH value			
No data available			
Boiling point / boiling range			
Value		-0.5	°C
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Value	<	0	°C
Ignition temperature			
Value		300	°C
Flammability			
No data available			
Lower explosion limit			
Value		1.2	% vol
Upper explosion limit			
Value		9.4	% vol
Vapour pressure			
Value		2100	hPa
Reference temperature		20	°C
Value		4900	hPa
Reference temperature		50	°C
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value		0.79	g/cm ³
Reference temperature		20	°C
Solubility in water			
Comments		insoluble	
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No data available			
Viscosity			
No data available			
Particle characteristics			
No data available			

9.2 Other information

Other information			
No data available.			

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SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

SECTION 11: Toxicological information

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

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Urethan Spray
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
LD50		16750	mg/kg bodyweight
Species		rat	
Method		OECD 401	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
LD50		> 3492	mg/kg bodyweight
Species		rat	
Source		ECHA	
3	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
LD50		> 15000	mg/kg bodyweight
Species		rat	
Method		OECD 401	
Source		ECHA	
4	2-butanone oxime	96-29-7	202-496-6
ATE		100	mg/kg bodyweight
Species		rat	
Source		1272/2008/EC, Annex VI	

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9

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LD50	>	3350	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
LD50	>	3160	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
3	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
LD50	appr.	3400	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		
4	2-butanone oxime	96-29-7	202-496-6
ATE		1100	mg/kg bodyweight
Species	rabbit		
Source	1272/2008/EC, Annex VI		

Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
LC50		259.3	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
LC50	>	6.193	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
LC50	>	13.1	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
Species	rabbit		

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Method	OECD 404
Source	ECHA
Evaluation	non-irritant

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Duration of exposure		72	h
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
3	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
3	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
Source		ECHA	

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Evaluation/classification	Based on available data, the classification criteria are not met.
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Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Route of exposure		inhalational	
NOAEC		9000	ppm
Duration of exposure		13	week/s
Type of examination		2 generation study	
Species		rat	
Method		OECD 416	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Route of exposure		inhalational	
NOAEC		9018	ppm
Duration of exposure		2	year(s)
Species		mouse	
Method		OECD 451	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure
No data available

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Route of exposure		inhalational	
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
Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

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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, C9, aromatics	64742-95-6	918-668-5
LL50		9.2	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
2	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
LL50		10 - 30	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
EL50		3.2	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
EL50		10 - 22	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
NOEC		0.097	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
EL50		2.9	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		

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Source	ECHA		
2	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
EL50		4.1	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
EC50	>	99	mg/l
Duration of exposure		10	min
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
2	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
EL50		43.98	mg/l
Duration of exposure		48	h
Species	Tetrahymena pyriformis (Protozoa)		
Method	QSAR		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
Type	BSB		
Value		78	%
Duration		28	d
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
2	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0
Value		74.7	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

No data available.

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

Other adverse effects

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Danger to drinking water if even extremely small quantities leak into the ground.

12.8 Other information

Other information

There are no data available on the preparation itself. For components which are dangerous for the environment see section 3.

The product should not be allowed to enter drains or water courses.

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.

Hand over only completely emptied aerosol cans for valuable substance recovery!

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	2
Classification code	5F
UN number	UN1950
Proper shipping name	AEROSOLS
Tunnel restriction code	D
Label	2.1
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	2
UN number	UN1950
Proper shipping name	AEROSOLS
Technical name	Hydrocarbons, C6, isoalkanes, <5% n-hexane
EmS	F-D, S-U
Label	2.1
Marine pollutant mark	Symbol "fish and tree"
Comments	The outer packings (boxes or cartons) should comply with the Regulations of Packing Group II at least.

14.3 Transport ICAO-TI / IATA

Class	2.1
UN number	UN1950
Proper shipping name	Aerosols, flammable
Label	2.1
Comments	The outer packings (boxes or cartons) should comply with the Regulations of Packing Group II (IATA-Regulation 5.2 PI203).

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.

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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
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	2-butanone oxime	96-29-7	202-496-6	28

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, P3a
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.	

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

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.
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.

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H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
U	When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

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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