

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 23/04/2024 Revision date: 23/04/2024 Supersedes version of: 02/02/2023 Version: 7.0

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

1.1. Product identifier Product form : Mixture Product name : DL-44 SPRAY UFI : QCU0-80KC-1009-G5W0 Vaporizer : Aerosol 1.2. Relevant identified uses of the substance or mixture and uses advised against **Relevant identified uses** : Industrial use, Professional use Main use category Industrial/Professional use spec : For professional use only Industrial Use of the substance/mixture : Cleaning/washing agents and additives 1.3. Details of the supplier of the safety data sheet Manufacturer ROCOL a division of ITW Ltd Rocol House Wakefield Rd, Swillington LS26 8BS Leeds, West Yorkshire United Kingdom T +44 (0)113 232 2600 customer.service@rocol.com, www.rocol.com 1.4. Emergency telephone number : +44 (0)113 232 2600 Emergency number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1	H222;H229
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment – Acute Hazard,	H400
Category 1	
Hazardous to the aquatic environment – Chronic Hazard,	H410
Category 1	
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Contains

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Hazard statements (CLP)	: H222 - Extremely flammable aerosol.
	H229 - Pressurised container: May burst if heated.
	H315 - Causes skin irritation.
	H317 - May cause an allergic skin reaction.
	H319 - Causes serious eye irritation.
	H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
	No smoking.
	P211 - Do not spray on an open flame or other ignition source.
	P251 - Do not pierce or burn, even after use.
	P271 - Use only outdoors or in a well-ventilated area.
	P280 - Wear protective clothing, eye protection, protective gloves.
	P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
D-LIMONENE	CAS-No.: 5989-27-5 EC-No.: 227-813-5 REACH-no: 01-2119529223- 47	≥ 70	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410
PROPAN-2-OL	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558- 25	10 – 15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics substance with a Community workplace exposure limit	EC-No.: 928-253-0 REACH-no: 01-2119485032- 45	5 – 10	Asp. Tox. 1, H304
CARBON DIOXIDE AEROSOL PROPELLANT substance with a Community workplace exposure limit	CAS-No.: 124-38-9 EC-No.: 204-696-9 REACH-no: Exempt	2.4 – 5	Press. Gas (Comp.), H280

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case. Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.

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First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention. Wash
- · · · ·	contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effects,	both acute and delayed
Symptoms/effects after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
4.3. Indication of any immediate medical at	tention and special treatment needed

No additional information available

SECTION 5: Firefighting measured	res
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.Do not use a heavy water stream.
5.2. Special hazards arising from th	e substance or mixture
No additional information available	
5.3. Advice for firefighters	

Firefighting instructions	: Use water spray or tog for cooling exposed containers. Exercise caution when fighting any
	chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective	equipment and emergency procedures	
For non-emergency personnel		
Emergency procedures	: Evacuate unnecessary personnel.	
For emergency responders		
Protective equipment Emergency procedures	: Equip cleanup crew with proper protection. : Ventilate area.	
6.2. Environmental precautions		

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands, forearms and face thoroughly after handling.
7.2. Conditions for safe storage, including	
Storage conditions	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use.
Incompatible products Incompatible materials	 Strong bases. Strong acids. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
IOEL TWA	500 mg/m³	
CARBON DIOXIDE AEROSOL PROPELLANT (124-38-9)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Carbon dioxide	
IOEL TWA	9000 mg/m³	
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC	
	•	

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure. Personal protective equipment symbol(s):



Eye and face protection

Eye protection: Chemical goggles or safety glasses

Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Wear protective gloves. Nitrile rubber gloves

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Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN140 with Type A filter or better

Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Colour Odour Odour threshold Melting point Freezing point Boiling point Flammability Lower explosion limit Upper explosion limit Flash point Auto-ignition temperature Decomposition temperature pH Viscosity, kinematic	 Liquid Colourless. Characteristic odour. Not available Not available Not available > 80 °C Non flammable. Not available 12 °C > 200 °C Not available
Auto-ignition temperature Decomposition temperature pH Viscosity, kinematic Solubility Partition coefficient n-octanol/water (Log Kow)	 > 200 °C Not available Not available Not available Not available Not available Not available
Vapour pressure Vapour pressure at 50°C Density Relative density Relative vapour density at 20°C Particle characteristics	 Not available Not available Not available < 1 Not available Not applicable
9.2. Other information	

960787 %
) g/l

SECTION 10: Stability and reactivity
10.1. Reactivity
Extremely flammable aerosol.
10.2. Chemical stability
Not established.
10.3. Possibility of hazardous reactions
Not established.
10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 : Not classified Acute toxicity (oral) Acute toxicity (dermal) Not classified Acute toxicity (inhalation) • Not classified PROPAN-2-OL (67-63-0) LD50 oral rat 5840 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) LD50 oral 3600 mg/kg Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics LD50 oral rat > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) LD50 dermal rat 2001 mg/kg LD50 dermal rabbit > 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) LC50 Inhalation - Rat > 5.266 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) **D-LIMONENE (5989-27-5)** LD50 oral rat > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) LD50 dermal > 2000 mg/kg Skin corrosion/irritation Causes skin irritation. : Additional information Repeated exposure may cause skin dryness or cracking. 2 Serious eye damage/irritation Causes serious eye irritation. Respiratory or skin sensitisation : May cause an allergic skin reaction. Germ cell mutagenicity : Not classified Additional information : Based on available data, the classification criteria are not met Carcinogenicity Not classified • Additional information • Based on available data, the classification criteria are not met **PROPAN-2-OL (67-63-0)** IARC group 3 - Not classifiable Reproductive toxicity : Not classified Additional information : Based on available data, the classification criteria are not met STOT-single exposure ÷ Not classified Additional information Based on available data, the classification criteria are not met • **PROPAN-2-OL (67-63-0)**

STOT-single exposure	May cause drowsiness or dizziness.		
STOT-repeated exposure : Not classified Additional information : Based on available data, the classification criteria are not met			
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
NOAEL (oral, rat, 90 days)	≥ 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)		

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Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
NOAEL (dermal, rat/rabbit, 90 days)	> 495 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)	
NOAEC (inhalation, rat, vapour, 90 days)	> 10.4 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)	
Aspiration hazard :	Not classified	
Additional information :	Based on available data, the classification criteria are not met	
DL-44 SPRAY		
Vaporizer	Aerosol	
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
Viscosity, kinematic	3 – 4 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'	
Hydrocarbon	Yes	
D-LIMONENE (5989-27-5)		
Viscosity, kinematic	≤ 20.5 mm²/s	
Hydrocarbon	Yes	
11.2. Information on other hazards		

Other information

Potential adverse human health effects and	:	Based on available data, the classification criteria are not met
symptoms		

SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short-term : (acute)	Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
PROPAN-2-OL (67-63-0)	
LC50 - Fish [1]	10000 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	9640 mg/l Test organisms (species): Pimephales promelas
D-LIMONENE (5989-27-5)	
LC50 - Fish [1]	720 μg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	0.36 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	0.67 mg/l
EC50 72h - Algae [1]	≈ 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	0.115 mg/l Test organisms (species): other:For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d'
12.2. Persistence and degradability	
DL-44 SPRAY	
Persistence and degradability	May cause long-term adverse effects in the environment.

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PROPAN-2-OL (67-63-0)		
Persistence and degradability	Rapidly degradable	
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
Persistence and degradability	Rapidly degradable	
D-LIMONENE (5989-27-5)		
Persistence and degradability	Rapidly degradable	
CARBON DIOXIDE AEROSOL PROPELLANT (124-38-9)	
Persistence and degradability	Rapidly degradable	
12.3. Bioaccumulative potential		
DL-44 SPRAY		
Bioaccumulative potential	Not established.	
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessment		
No additional information available		
12.6. Endocrine disrupting properties		
No additional information available		
12.7. Other adverse effects		
Additional information :	Avoid release to the environment.	

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Ecological waste information	: Avoid release to the environment.

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description				
UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1 ENVIRONMENTALLY HAZARDOUS

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
14.4. Packing group	· · · · ·			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haza	rds			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-D EmS-No. (Spillage): S-U	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information	available			I
14.6. Special precautions	for user			
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (ADR) Mixed packing provisions (ADR) Transport category (ADR) Special provisions for carriage and handling (ADR) Special provisions for carriage Tunnel restriction code (ADR) Transport by sea Special provisions (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) Special packing provisions (IMDG) Special packing provisions (IMDG) Stowage and handling (IMDG) Segregation (IMDG)	R) : Packages (ADR) : Loading, unloading : Operation (ADR) : COperation (ADR) :	V14 CV9, CV12 S2		
Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net qu PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO packing instructions (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN)	: uantity (IATA) : .) : 	E0 Y203 30kgG 203 75kg 203 150kg A145, A167, A802 10L 5F 190, 327, 344, 625 1 L		

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Excepted quantities (ADN) Equipment required (ADN) Ventilation (ADN) Number of blue cones/lights (ADN)	: E0 : PP, EX, A : VE01, VE04 : 1
Rail transport Classification code (RID)	: 5F
Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L : E0
Excepted quantities (RID) Packing instructions (RID)	: P207, LP200
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W14
Special provisions for carriage - Loading, unloading	: CW9, CW12
and handling (RID)	
Colis express (express parcels) (RID)	: CE2
Hazard identification number (RID)	: 23

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-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

VOC Directive (2004/42)

VOC content

: 800 g/l

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information		
Indication of changes		
Section	Changed item	Comments
	Issue date	Added
	Supersedes version of	Modified
	Revision date	Modified

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: None.

Full text of H- and EUH-statements:		
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H222	Extremely flammable aerosol.	
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H229	Pressurised container: May burst if heated.	
H280	Contains gas under pressure; may explode if heated.	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H336	May cause drowsiness or dizziness.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	

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This information is based on our current knowledge using information from our raw material suppliers and describes the product for health, safety and environmental purposes only. It should therefore not be interpreted as guaranteeing any specific property of the product. This information does not exempt the user from checking the product and in no way engages our responsibility as to the use for which it is intended.