according to UK REACH Regulation

Revision date: 24.11.2023	3
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ADDINOL ACP Spray Product code: 77300332

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

1.1. Product identifier ADDINOL ACP Spray UFI: 195W-MRED-257Q-H5X3 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture Aerosol - Corrosion inhibitor. 1.3. Details of the supplier of the safety data sheet Manufacturer Company name: ADDINOL Lube Oil GmbH Gebäude 4609 Street: Am Haupttor Place: D-06237 Leuna Telephone: +49 (0) 3461 845-0 Telefax: +49 (0) 3461 845-555 info@addinol.de E-mail: Contact person: Application Technology Internet: www.addinol.de Responsible Department: ADDINOL Application Technology Supplier Company name: Gidov Oil & Logistics Ltd. 76 Cobham Road, Ferndown Industrial Estate Street: GB-TN157DA Wrotham, Sevenoaks Kent Place: +44 7729229830 Telephone: Telefax: +44 7729229830 sales@addinol.co.uk E-mail: Internet: https://www.gidovlogistics.co.uk/ 1.4. Emergency telephone +44 7729229830 - This number is serviced during office hours.

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Aerosol 1; H222-H229 Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

GB CLP Regulation

Signal word:

Pictograms:



Danger

Hazard statements H222

H229

Extremely flammable aerosol. Pressurised container: May burst if heated.

according to UK REACH Regulation

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Precautionary statements

P102	Keep out of reach of children.
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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
106-97-8	butane			35 - 40 %
	203-448-7	601-004-00-0		
	Flam. Gas 1, Liquefied gas; H220 F	1280		
74-98-6	propane			15 - 20 %
	200-827-9	601-003-00-5		
	Flam. Gas 1, Liquefied gas; H220 F	1280		
68649-11-6	1-Decene, Dimer, hydrogenated			10 - < 20 %
	500-228-5		01-2119493069-28	
	Acute Tox. 4, Asp. Tox. 1; H332 H3	304		
1474044-79-5	Calcium bis(di C8-C10, branched, 0	C9 rich, alkylnaphthalenesulphonate)		< 2,5 %
	939-717-7		01-2119980985-16	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			

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			
68649-11-6	500-228-5	1-Decene, Dimer, hydrogenated	10 - < 20 %	
	inhalation: LC50 = 900-5200 mg/l (vapours); inhalation: ATE = 4500 ppm (gases); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg			
1474044-79-5	939-717-7	Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	< 2,5 %	
	inhalation: LC50 = > 18 mg/l (vapours); oral: LD50 = 5 mg/kg			

Further Information

DMSO-Extrakt < 3 %, IP 346.

DMSO-Extract < 3 %; IP 346. Classification system: The classification corresponds to the current EC lists and is completed by information from specialist literature and company information.

SECTION 4: First aid measures

according to UK REACH Regulation

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4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down. Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Self-protection of the first aider. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist. In case of breathing difficulties administer oxygen.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.

Rinse mouth thoroughly with water. Call a physician immediately.

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

following inhalation: drowsiness. Headache. Nausea.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Atomized water. Carbon dioxide (CO2). Extinguishing powder. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO2). Carbon monoxide Nitrogen oxides (NOx). carbon black.

Combustible. Vapours may form explosive mixtures with air.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear chemical resistant suit.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove persons to safety. Wear a self-contained breathing apparatus and chemical resistant suit. Vapours are heavier than air and will spread at floor level. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Prevent spread over a wide area (e.g. by containment or oil barriers).

according to UK REACH Regulation

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6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal. Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Section 12: Ecological Information (non-mandatory) Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas. Take precautionary measures against static discharges. Do not spray on naked flames or any incandescent material. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Heating causes rise in pressure with risk of bursting.

Advice on general occupational hygiene

Wash hands before breaks and after work. Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use. Do not eat, drink, smoke or sneeze at the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity. Keep container tightly closed in a cool place. Keep away from sources of ignition - No smoking.

Please note: TRG 300, aerosol directive (75/324/EEC).

Hints on joint storage

Keep away from food, drink and animal feedingstuffs. Keep away from: Oxidizing agent. Material, rich in oxygen, oxidizing.

Further information on storage conditions

Recommended storage temperature: 5 - 40°C. Do not store at temperatures over: 50°C.

7.3. Specific end use(s)

Further information: see technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

according to UK REACH Regulation

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DNEL/DMEL values

CAS No	Substance						
DNEL type	DNEL type Exposure route Effect Value						
68649-11-6	1-Decene, Dimer, hydrogenated						
Worker DNEL,	acute	inhalation	systemic	60 mg/m³			
Consumer DN	Consumer DNEL, acute inhalation systemic 50 mg/m ³						
1474044-79- 5	Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalene	esulphonate)					
Worker DNEL,	long-term	inhalation	systemic	70 mg/m³			
Worker DNEL,	long-term	dermal	systemic	10 mg/kg bw/day			
Consumer DN	Consumer DNEL, long-term dermal systemic 0,00032 mg/kg bw/day						
Consumer DN	EL, long-term	inhalation	systemic	2,23 mg/m³			

PNEC values

CAS No	Substance			
Environmental	Environmental compartment			
1474044-79- 5 Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)				
Freshwater		0,004 mg/l		
Freshwater (in	0,0027 mg/l			
Marine water	Marine water			
Freshwater se	69 mg/kg			
Marine sedime	ent	6,9 mg/kg		
Secondary poi	Secondary poisoning			
Micro-organisr	Micro-organisms in sewage treatment plants (STP)			
Soil		13,9 mg/kg		

Additional advice on limit values

source:

8.2. Exposure controls





Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): EN 166

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN ISO 374

Duration of wearing with permanent contact: 480 min Suitable material: NBR (Nitrile rubber). Thickness of glove material: 0.4 mm

according to UK REACH Regulation

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Change gloves frequently under permanent contanct.

Wearing time with occasional contact (splashes): 30 min Suitable material: NBR (Nitrile rubber). Thickness of glove material: 0.2 mm

Protect skin by using skin protective cream.

Skin protection

Wear suitable protective clothing. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Breathing protection with filter against organic gases and vapours type A - boiling point > 65°C: A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1. Information on basic physical and ch			
Physical state:	gaseous		
Colour:	light yellow		
Odour:	characteristic		
Odour threshold:	not determined		
			Test method
Melting point/freezing point:		not determined	
Boiling point or initial boiling point and		< -20 °C	
boiling range:			
Flammability:		not determined	
Lower explosion limits:		1,4 vol. %	
Upper explosion limits:		15 vol. %	
Flash point:		< -20 °C	DIN EN ISO 2592
Auto-ignition temperature:		287 °C	
Decomposition temperature:		not determined	
pH-Value:		not applicable	
Viscosity / kinematic:		not applicable	
Water solubility:		insoluble	
Solubility in other solvents			
No data available			
Partition coefficient n-octanol/water:		No data available	
Vapour pressure:		No data available	
Density (at 20 °C):		0,653 g/cm³	calculated.
Relative vapour density:		not determined	
9.2. Other information			
Information with regard to physical ha	zard classes		
Explosive properties			
In case of insufficient ventilation and	/or through use, explosiv	/e/highly flammable mixtures m	ay develop.
Self-ignition temperature			
Solid:		not applicable	
Gas:		not applicable	
Oxidizing properties			
No data available			
Other safety characteristics			
Evaporation rate:		not determined	

according to UK REACH Regulation

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Ignition hazard.

Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children. Take precautionary measures against static discharges. See protective measures under point 7 and 8.

10.5. Incompatible materials

Keep away from: Oxidizing agent.

10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon dioxide (CO2). Carbon monoxide Nitrogen oxides (NOx). carbon black. Vapours may form explosive mixtures with air.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation gas) > 20000 ppm

CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
68649-11-6	1-Decene, Dimer, hydrog	enated						
	oral	LD50 mg/kg	> 5000	Rat	Study report (1988)	OECD Guideline 423		
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1989)	OECD Guideline 402		
	inhalation (4 h) vapour	LC50 mg/l	900-5200	Rat	Study report (1989)	OECD Guideline 402		
	inhalation gas	ATE ppm	4500					
1474044-79- 5	Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)							
	oral	LD50	5 mg/kg	Rat	Study report (1978)	other: FHSLA, CFR, Title 21 J para. 191.		
	inhalation (1 h) vapour	LC50	> 18 mg/l	Rat	Study report (1978)	other: FHSLA, CFR, Title 21 J para. 191.		

Irritation and corrosivity

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

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

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Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met. Carcinogenicity: 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

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

STOT-repeated exposure

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

Prolonged/repetitive skin contact may cause skin defattening or dermatitis.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Endocrine disrupting properties

not applicable

Further information

If handled with proper care and at intended use, the product does not cause any harmful effects acc. to our experiences and available information.

SECTION 12: Ecological information

12.1. Toxicity

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

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CAS No	Chemical name								
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method		
106-97-8	butane								
	Acute fish toxicity	LC50 mg/l	49,9	96 h	Fish, no other information	United States Environmental Protection A	The Ecosar class program has been develo		
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	Algae	USEPA OPPT Risk Assessment Division (200	Calculation using ECOSAR Program v1.00.		
	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia sp.	USEPA OPPT Risk Assessment Division (200	Calculation using ECOSAR Program v1.00.		
74-98-6	propane								
	Acute fish toxicity	LC50 mg/l	49,9	96 h	Fish, no other information	United States Environmental Protection A	The Ecosar class program has been develo		
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	Algae	USEPA OPPT Risk Assessment Division (200	Calculation using ECOSAR Program v1.00.		
	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia sp.	USEPA OPPT Risk Assessment Division (200	Calculation using ECOSAR Program v1.00.		
1474044-79- 5	Calcium bis(di C8-C10, b	ranched, CS	9 rich, alkylna	phthalen	esulphonate)				
	Acute fish toxicity	LC50 mg/l	0,28	96 h					
	Acute algae toxicity	ErC50 mg/l	> 1,2	72 h	Pseudokirchneriella subcapitata	REACh Registration Dossier	OECD Guideline 201		
	Acute crustacea toxicity	EC50 mg/l	>= 0,18	48 h	Daphnia magna	REACh Registration Dossier	OECD Guideline 202		
	Crustacea toxicity	NOEC	4,6 mg/l	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211		

12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria). Do not allow to enter into surface water or drains.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
106-97-8	butane	1,09
74-98-6	propane	1,09
68649-11-6	1-Decene, Dimer, hydrogenated	> 6,5
1474044-79-5	Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	> 6,6

BCF

CAS No	Chemical name	BCF	Species	Source
	Calcium bis(di C8-C10, branched, C9 rich, alkyInaphthalenesulphonate)	3,16	Fish	Study report (2013)

12.4. Mobility in soil

Due to its low solubility in water the product is almost completely mechanically separated in biological waste

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water treatment plants.

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 data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not open container by force. Must not be disposed of with domestic refuse. Do not allow to enter into surface water or drains.

List of Wastes Code - residues/unused products

WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Contaminated packaging

160504

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)	
<u>14.1. UN number or ID number:</u>	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
14.4. Packing group:	-
Hazard label:	2.1
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	2
Tunnel restriction code:	D
Inland waterways transport (ADN)	
14.1. UN number or ID number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
14.4. Packing group:	-
Hazard label:	2.1
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0

according to UK REACH Regulation

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Marine transport (IMDG) <u>14.1. UN number or ID number:</u> <u>14.2. UN proper shipping name:</u> <u>14.3. Transport hazard class(es):</u> <u>14.4. Packing group:</u> Hazard label:	UN 1950 AEROSOLS 2.1 - 2.1		
Special Provisions: Limited quantity: Excepted quantity: EmS:	63, 190, 277, 327, 344, 9 1000 mL E0 F-D, S-U	59	
Air transport (ICAO-TI/IATA-DGR) <u>14.1. UN number or ID number:</u> <u>14.2. UN proper shipping name:</u> <u>14.3. Transport hazard class(es):</u> <u>14.4. Packing group:</u> Hazard label:	UN 1950 AEROSOLS, flammable 2.1 - 2.1		
Special Provisions: Limited quantity Passenger: Passenger LQ: Excepted quantity: IATA-packing instructions - Passenger: IATA-max. quantity - Passenger: IATA-packing instructions - Cargo: IATA-max. quantity - Cargo:	A145 A167 A802 30 kg G Y203 E0 203 75 k 203 150	kg	
14.5. Environmental hazards			
ENVIRONMENTALLY HAZARDOUS: 14.6. Special precautions for user Warning: flammable gases. 14.7. Maritime transport in bulk according to not applicable	No IMO instruments		
SECTION 15: Regulatory information			
15.1. Safety, health and environmental regul	ations/legislation specific	for the substance or mixture	
EU regulatory information Restrictions on use (REACH, annex XVII): Entry 28, Entry 40			
Directive 2010/75/EU on industrial emissions:	59,5 % (388,535 g/l)		
Directive 2004/42/EC on VOC in paints and varnishes: Information according to Directive 2012/18/EU (SEVESO III):	59,5 % (388,535 g/l) P3a FLAMMABLE AERO	SOLS	

Additional information

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Safety Data Sheet

according to UK REACH Regulation

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Please note: 850/2004/EC , 79/117/EEC , 689/2008/EC , 2008/47/EC

National regulatory information

Employment restrictions:

Water hazard class (D):

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). 2 - obviously hazardous to water

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): 1,2.

Abbreviations and acronyms

Flam. Gas: Flammable gases Aerosol: Aerosols Liquefied gas Acute Tox: Acute toxicity Asp. Tox: Aspiration hazard Skin Irrit: Skin irritation

Eye Irrit: Eye irritation

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ADN -European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ASTM - American Society for the Testing of Materials; ATE - Acute Toxicity Estimates; bw - Body weight; CAO -Cargo Aircraft Only; CAS - Chemical Abstracts Service; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DNEL - Derived No-Effect Level; DOT -Department of Transportation; DSL - Domestic Substances List (Canada); EG - European Union; EN -European standards; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association: IC50 - Half maximal inhibitory concentration: ICAO - International Civil Aviation Organization: IMDG - International Maritime Dangerous Goods: IMO - International Maritime Organization: ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n;o;s; - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; OECD - Organization for Economic Co-operation and Development; PBT -Persistent, Bioaccumulative and Toxic substance; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID -Regulation concerning the International Carriage of Dangerous Goods by Rail; RQ -Reportable Quantity; SADT - Self- Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TSCA - Toxic Substances Control Act (United States); UN -United Nations; vPvB - Very Persistent and Very Bioaccumulative

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

according to UK REACH Regulation

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Further Information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

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 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.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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