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# Safety Data Sheet

according to UK REACH Regulation

**ADDINOL Welding Protection Spray** 

Revision date: 17.07.2023	Revision date: 17.07.2023 Product code: 773015							
SECTION 1: Identification of the	SECTION 1: Identification of the substance/mixture and of the company/undertaking							
1.1. Product identifier								
ADDINOL Welding Protection	on Spray							
UFI:	U7G0-GS0C-A572-NGMF							
1.2. Relevant identified uses of the	ne substance or mixture and uses advised against							
Use of the substance/mixture								
Aerosol - Welding, soldering	g, and flux products							
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						
e-mail:	info@addinol.de							
Contact person:	Application Technology							
Internet:	www.addinol.de							
Responsible Department:	ADDINOL Application Technology							
Supplier Company name:	Gidov Oil & Logistics Ltd.							
Street:	76 Cobham Road, Ferndown Industrial Estate							
Place:	GB-TN157DA Wrotham, Sevenoaks Kent							
Telephone:	+44 7729229830	Telefax: +44 7729229830						
e-mail:	sales@addinol.co.uk	Telelax. +44 //29229050						
Internet:	https://www.gidovlogistics.co.uk/							
1.4. Emergency telephone	+44 7729229830 - This number is serviced du	ring office hours.						
number:		5						

#### <u>number:</u>

SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

## **GB CLP Regulation**

Aerosol 1; H222-H229

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:





# Hazard statements

H222 H229

P102

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

### **Precautionary statements**

Keep out of reach of children.

according to UK REACH Regulation

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

## 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

### Hazardous components

CAS No	Chemical name							
	EC No	Index No	REACH No					
	Classification (GB CLP Regulat	Classification (GB CLP Regulation)						
106-97-8	butane			40 - < 60 %				
	203-448-7	601-004-00-0						
	Flam. Gas 1, Liquefied gas; H220 H280							
74-98-6	propane			20 - < 40 %				
	200-827-9	601-003-00-5						
	Flam. Gas 1, Liquefied gas; H2							
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified			10 - < 20 %				
	265-157-1		01-21194846	627-25				
	Asp. Tox. 1; H304							

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. L	imits, M-factors and ATE	
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	10 - < 20 %
	dermal: LD50 =	: > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	

### **Further Information**

DMSO-Extrakt < 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**

## 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.

according to UK REACH Regulation

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### 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

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting.

Rinse mouth thoroughly with water. Call a physician immediately.

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

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

No information available.

#### 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

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.

Flammable. Vapours may form explosive mixtures with air.

### 5.3. Advice for firefighters

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

### 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).

## 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). Treat the

according to UK REACH Regulation

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recovered material as prescribed in the section on waste 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		Exposure route	Effect	Value
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Based	oil - unspecified		
Worker DNEL,	long-term	inhalation	systemic	2,73 mg/m³
Worker DNEL, long-term		inhalation	local	5,58 mg/m³
Worker DNEL, long-term		dermal	systemic	0,97 mg/kg bw/day
Consumer DNE	EL, long-term	inhalation	local	1,19 mg/m³
Consumer DNE	EL, long-term	oral	systemic	0,74 mg/kg bw/day

### **PNEC** values

CAS No	Substance				
Environmental compartment Value					
64742-54-7	64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified				
Secondary poisoning 9,33 mg/kg					

#### Additional advice on limit values

source:

Does not contain substances above concentration limits fixing an occupational exposure limit.

### 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: 0.7 mm.

Wearing time with occasional contact (splashes): 30 min Suitable material: NBR (Nitrile rubber). Thickness of glove material: 0.4 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

according to UK REACH Regulation

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## **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state:	gaseous
Colour:	various colors
Odour:	characteristic
Odour threshold:	not determined

		Test method
Melting point/freezing point:	not applicable	
Boiling point or initial boiling point and	< -20 °C	
boiling range:		
Flammability:	not applicable	
Lower explosion limits:	1,5 vol. %	
Upper explosion limits:	10,9 vol. %	
Flash point:	< -20 °C	DIN EN ISO 2592
Auto-ignition temperature:	365 °C	DIN 51794
Decomposition temperature:	not determined	
pH-Value:	not applicable	
Viscosity / kinematic:	not applicable	
Water solubility:	insoluble	
(at 20 °C)		
Solubility in other solvents		
No data available		
Partition coefficient n-octanol/water:	No data available	
Vapour pressure:	not determined	
(at 20 °C)		
Density (at 20 °C):	0,583 g/cm³	DIN 51757
Relative vapour density:	No data available	

## 9.2. Other information

# Information with regard to physical hazard classes Explosive properties

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Sustaining combustion: No data available Self-ignition temperature Solid: not applicable Gas: not applicable Oxidizing properties No data available

## Other safety characteristics

Evaporation rate:

### **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.

No data available

according to UK REACH Regulation

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## 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. Material, rich in oxygen, oxidizing.

# 10.6. Hazardous decomposition products

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

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

### **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.

CAS No	Chemical name								
	Exposure route	Dose	Species	Source	Method				
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified								
	oral	LD50 > 5000 mg/kg	Rat	Study report (1982)	OECD Guideline 401				
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1982)	OECD Guideline 402				

### Irritation and corrosivity

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

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

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

## 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.

## according to UK REACH Regulation

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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.		
64742-54-7	Distillates (petroleum), hy	drotreated l	heavy paraffir	nic; Base	oil - unspecified				
	Acute fish toxicity	LL50 mg/l	> 100	96 h	Pimephales promelas	Study report (1995)	OECD Guideline 203		
	Acute algae toxicity	ErC50 mg/l	>100	72 h					
	Fish toxicity	NOEC mg/l	>= 1000	14 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a		

## 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

### 12.4. Mobility in soil

No data available

### 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

according to UK REACH Regulation

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### **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.

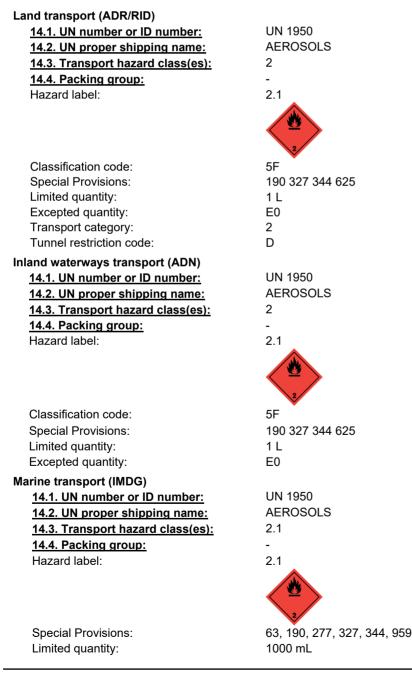
## List of Wastes Code - residues/unused products

160504 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

Dispose of waste according to applicable legislation.

## **SECTION 14: Transport information**



## according to UK REACH Regulation

	ADDINOL Welding Protection Spray Product code: 773015 P	age 10 of 1
Revision date: 17.07.2023	Floadel code. 113013	age 10 01 1
Excepted quantity:	EO	
EmS:	F-D, S-U	
Air transport (ICAO-TI/IATA-DGR)		
<u>14.1. UN number or ID number:</u> 14.2. UN proper shipping name:	UN 1950 AEROSOLS, flammable	
14.3. Transport hazard class(es):	2.1	
14.4. Packing group:	-	
Hazard label:	2.1	
Special Provisions:	A145 A167 A802	
Limited quantity Passenger:	30 kg G	
Passenger LQ:	Y203	
Excepted quantity:	E0	
IATA-packing instructions - Passenger: IATA-max. quantity - Passenger:	203 75 kg	
IATA-max. quantity - Passenger. IATA-packing instructions - Cargo:	203	
IATA-max. quantity - Cargo:	150 kg	
14.5. Environmental hazards		
ENVIRONMENTALLY HAZARDOUS:	No	
14.6. Special precautions for user		
Warning: flammable gases.		
<b>c c</b>	o IMO instruments	
<b>c c</b>	o IMO instruments	
14.7. Maritime transport in bulk according to not applicable	o IMO instruments	
14.7. Maritime transport in bulk according to not applicable SECTION 15: Regulatory information		
14.7. Maritime transport in bulk according to not applicable         SECTION 15: Regulatory information         15.1. Safety, health and environmental regulatory	o IMO instruments	
<ul> <li>14.7. Maritime transport in bulk according to not applicable</li> <li>SECTION 15: Regulatory information</li> <li>15.1. Safety, health and environmental regulatory information</li> </ul>	lations/legislation specific for the substance or mixture	
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<ul> <li>14.7. Maritime transport in bulk according to not applicable</li> <li>SECTION 15: Regulatory information</li> <li>15.1. Safety, health and environmental regule</li> <li>EU regulatory information</li> <li>Restrictions on use (REACH, annex XVII): Entry 28, Entry 40, Entry 75</li> <li>2010/75/EU (VOC):</li> <li>2004/42/EC (VOC):</li> <li>1nformation according to 2012/18/EU (SEVESO III):</li> <li>Additional information</li> <li>To follow: 850/2004/EC, 79/117/EEC, 6</li> <li>National regulatory information</li> <li>Employment restrictions:</li> <li>Water hazard class (D):</li> </ul>	Ilations/legislation specific for the substance or mixture 90 % (524,25 g/L) 90 % (524,25 g/L) 93 % (524,25 g/L) P3a FLAMMABLE AEROSOLS 689/2008/EC , 2008/47/EC, Aerosol Directive (75/324/) Observe restrictions to employment for juveniles according to the 'juvenile	2
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## Changes

This data sheet contains changes from the previous version in section(s): 1,5,6,7,8,9,10,11,12,15,16.

according to UK REACH Regulation

## **ADDINOL Welding Protection Spray**

Revision date: 17.07.2023

Product code: 773015

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### Abbreviations and acronyms

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.

### **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 hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)