SAFETY DATA SHEET ACCORDING TO ANNEX II TO REACH - REGULATION (EU) 2020/878

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier
Cable lubricating compound FOAM 400 ml - Item no.: 20522
UFI: AGV0-W0GU-Y00Q-A955

1.2 Relevant identified uses of the substance or mixture and uses advised against
Intendend use: Calbe Cable lubricant foam

Identified Uses	Industrial	Professional	Consumer
Consumer	-	-	✓
Industrial use	✓	-	-
Professional use	-	✓	-

1.3 Details of the supplier of the safety data sheet
RUNPOTEC GmbH | Irlachstraße 31 | A-5303 Thalgau
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office@runpotec.com | www.runpotec.com

1.4 Emergency telephone number

For urgent inquiries refer to

IT - Centro Antiveleni di Milano - Ospedale Niguarda: Tel. 02 66101029 (Italy)
AT - Vergiftungsinformationszentrale (VIZ): Tel. +43 01 406 4343 (Austria)
BE - Belgisch Antigifcentrum: Tel. 070 245245 (Belgium)
BG - НАЦИОНАЛЕН ЦЕНТЪР ПО ТОКСИКОЛОГИЯ: Tel. +359 2 9154 233 (Bulgaria)
HR - Centar za kontrolu otrovanja: Tel. +385 1 2348342 (Croatia)
CY - Τμήμα Επιθεώρησης Εργασίας (TEE): Tel. 1401 (Cyprus)
CZ - Toxikologické informační středisko (TIS): Tel. +420 224 919 293 / +420 224 915 402 (Czech Republic)
DK - Giftlinjen: Ring 82 12 12 12 (Denmark)
EE - Mürgistusteabekeskus: Tel. 16662 (Estonia)
FI - Myrkytystietokeskus: Tel. 0800 147 111 / 09 471 977 (Finland)
FR - ORFILA (INRS): Tél. +33 (0) 1 45 42 59 59 (France)
DE - Giftnotruf der Charité Universitätsmedizin Berlin: Tel. +49 030 19240 (Germany)
GR - Κέντρο Δηλητηριάσεων: Τηλ. 210 7793777 (Greece)
HU - Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ): Tel. +36 80 20 1199 (Hungary)
IS - Eitrunarmiðstöð: Tel. 543 2222 (Iceland)
IE - National Poisons Information Centre (NPIC): Tel. 01 8092566 / 01 8379964 (Republic of Ireland)
LV - Latvian Poisons Information Centre: Tel. +371 67042473 (Latvia)
LT - Apsinuodijimų Informacijos biuras: Tel. 8-5 236 2052 (Lithuania)
LU - Giftinformationszentrum: Tel. +352 8002 5500 (Luxembourg)
NL - Nationaal Vergiftigingen Informatie Centrum (NVIC): Tel. 030 274 88 88 (Netherlands)
NO - Giftinformasjonen: Tel. 22 9 13 00 (Norway)
PL - Pomorskie Centrum Toksykologii: Tel. +58 682 04 04 (Poland)
PT - Centro de Informação Antivenenos (CIAV): Tel. 800 250 250 (Portugal)
RO - Biroul RSI Si Informare Toxicologica: Tel. 021 318 36 06 (Romania)
SK - Národné Toxikologické informačné centrum (NTIC): Tel. 02 5477 4166 (Slovakia)
SI - Center za klinično toksikologijo in farmakologijo: Tel. 112 (Slovenia)
ES - Servicio de Información Toxicológica (SIT) España: Tel.+34 91 562 04 20 (Spain)
SE - Giftinformationscentralen: Tel. 112 (Sweden)

CH - Schweizerisches Toxikologisches Informationszentrum (STIZ): Tel. +41 145 (Switzerland)
GB - National Poisons Information Service (NPIS) Tel. 0344 892 0111 (United Kingdom)
Members of the Public: NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Aerosol, category 3	H229	Pressurised container: may burst if heated.

2.2 Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:	--
Signal words:	Warning
Hazard statements:	
H229	Pressurised container: may burst if heated.
Precautionary statements:	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do no expose to Temperaturees exceeding 50°C / 122°F.
P102	Keep out of reach of children

0,76% by mass of the contents are flammable

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.
The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Contains:

Identification x = Conc. % Classification (EC) 1272/2008 (CLP)

ETHYLENE GLYCOL
INDEX 603-027-00-1 2,3 ≤ x < 2,5 Acute Tox. 4 H302, STOT RE 2 H373
EC 203-473-3 ATE Oral: 500 mg/kg
CAS 107-21-1
REACH Reg. 01-2119456816-28-XXXX

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Sodium n-lauroylsarcosinate

INDEX	0,8 ≤ x < 0,9	Acute Tox. 2 H330, Eye Dam. 1 H318, Skin Irrit. 2 H315
EC	205-281-5	Skin Irrit. 2 H315: ≥ 30%, Eye Dam. 1 H318: ≥ 30%, Eye Irrit. 2 H319: ≥ 1%
CAS	137-16-6	ATE Inhalation mists/powders: 0,051 mg/l
REACH Reg.	01-2119527780-39-XXXX	

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered
(unless they have health hazards). The percentages indicated are inclusive of the propellants.
Percentage of propellants: 0,30 %

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If
problem persists, seek medical advice.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Wash contaminated clothing before using it again.
Inhalation: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.
INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3 Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching
the fire. Do not breathe combustion products.

5.3 Advice for firefighters

GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for
health. Always wear full fire prevention gear.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with
self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Block the leakage if there is no hazard.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent
any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency
procedures.

6.2. Environmental precautions
The product must not penetrate into the sewer systemic or come into contact with surface water or ground water

6.3. Methods and material for containment and cleaning up
Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections
Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

7.2. Conditions for safe storage, including any incompatibilities
Store in a place where adequate ventilation is ensured, away from direct sunlight at a Temperaturee below 50°C / 122°F, away from any combustion sources.

7.3. Specific end use(s)
Information not available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Regulatory references:

CZE	Česká Republika	NAŘÍZENÍ VLÁDY ze dne 10. května 2021, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senats kommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ESP	España	Límites de exposición profesional para agentes químicos en España 2023
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ''σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιγόνους παράγοντες κατά την εργασία''»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rende lete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81

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NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255
NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsom standighedenbesluit
PRT	Portugal	Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissio nal indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guver nului nr. 1.093/2006
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2023

Glycerol		
Predicted no-effect concentration - PNEC		
Normal value in fresh water 885 µg/l	885	µg/l
Normal value in marine water 88,5 µg/l	88,5	µg/l
Normal value for fresh water sediment 3,3 mg/kg/d	3,3	mg/kg/d
Normal value for marine water sediment 330 µg/kg/d	330	µg/kg/d
Normal value of STP microorganisms 1 g/l	1	g/l
Normal value for the terrestrial compartment	141	µg/kg/d

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Local Acute	Syste-mic Acute	Local Chronic	Systemic Chronice	Local Acute	Syste-mic Acute	Local Chronic	Systemic Chronice
Oral				229 mg/kg bw/d				
Inhalation			33 mg/m³				56 mg/m³	

ETHYLENE GLYCOL

Threshold Limit Value

Type	Country	TWA/8St		Stel/15Min		Remarks/ Observations
		mg/m³	ppm	mg/m³	ppm	
TLV	CZE	50	19,4	100	38,8	Skin
AGW	DEU	26	10	52	20	Skin 11
MAK	DEU	26	10	52	20	Skin
TLV	DNK	26	10	104	40	Skin E
VLA	ESP	52	20	104	40	Skin
VLEP	FRA	52	20	104	40	Skin

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ETHYLENE GLYCOL						
TLV	GRC	125	50	125	50	
AK	HUN	52	20	104	40	Skin
VLEP	ITA	52	20	104	40	Skin
TLG	NOR	52	20			Skin
TGG	NLD	52	20	104		Skin DAMP
VLE	PRT	52	20	104	40	Skin
NDS/NDSCHh	POL	15	20	50		Skin
TLV	ROU	52	20	104	40	Skin
NPEL	SVK	52	20	104	40	Skin
WEL	GBR	52	20	104	40	Skin
OEL	EU	52	25	104	40	Skin
TLV-ACGIH					50	
TLV-ACGIH				10		INHAL

Predicted no-effect concentration - PNEC		
Normal value in fresh water	10	mg/l
Normal value in marine water	1	mg/l
Normal value for fresh water sediment	37	mg/kg
Normal value for marine water sediment	3,7	mg/kg
Normal value for water, intermittent release	10	mg/l
Normal value of STP microorganisms	199,5	mg/l
Normal value for the terrestrial compartment	1,53	mg/kg

Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Local	Systemic	Local	Systemic	Local	Systemic	Local	Systemic
	Acute	Acute	Chronice	Chronice	Acute	Acute	Chronice	Chronice
Inhalation			7 mg/m³	VND			35 mg/m	VND
Skin			VND	53 mg/kg/d			VND	106 mg/kg/d

Sodium n-lauroylsarcosinate		
Predicted no-effect concentration - PNEC		
Normal value in fresh water	8,91	µg/l
Normal value in marine water	891	ng/l
Normal value for fresh water sediment	64,2	µg/kg/d
Normal value for marine water sediment	6,4	µg/kg/d
Normal value for water, intermittent release	8,91	µg/l
Normal value of STP microorganisms	3	mg/l
Normal value for the terrestrial compartment	7,6	mg/kg
Normal value for the atmosphere	NPI	µg/kg/d

Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Local	Systemic	Local	Systemic	Local	Systemic	Local	Systemic
	Acute	Acute	Chronice	Chronice	Acute	Acute	Chronice	Chronice

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Health - Derived no-effect level - DNEL / DMEL								
Oral		NPI		10 mg/kg/d				
Inhalation	VND	NPI	VND	17,39mg/ m3	VND	VND	VND	70,53 mg/ m3
Skin	NPI	NPI	NPI	10 mg/kg bw/d	VND	VND	VND	20 mg/kg bw/d

PROPANE

Threshold Limit Value

Type	Country	TWA/8St		Stel/15Min		Remarks/ Observations
		mg/m³	ppm	mg/m³	ppm	
AGW	DEU	1800	1000	7200	4000	
MAK	DEU	1800	1000	7200	4000	
TLV	DNK	1800	1000			
VLA	ESP		1000			
TLV	GRC	1800	1000			
TLV	NOR	900	500			
NDS/NDSCh	POL	1800				
TLV	ROU	1400	778	1800	1000	

BUTANE

Threshold Limit Value

Type	Country	TWA/8St		Stel/15Min		Remarks/ Observations
		mg/m³	ppm	mg/m³	ppm	
AGW	DEU	2400	1000	9600	4000	
MAK	DEU	2400	1000	9600	400	
TLV	DNK	1200	500			
VLA	ESP		1000			
VLEP	FRA	1900	800			
TLV	GRC	2350	1000			
AK	HUN	2350		9400		
TLV	NOR	600	250			
TGG	NLD	1430				
NDS/NDSCh	POL	1900		3000		
WEL	GBR	1450	600	1810	750	
WEL	GBR		4			EINTATB
TLV-ACGIH					1000	

Sodium benzoate

Threshold Limit Value

Type	Country	TWA/8St		Stel/15Min		Remarks/ Observations
		mg/m³	ppm	mg/m³	ppm	
AGW	DEU	10		20		INHALB
AGW	DEU	10		20		Skin
TLV-ACGIH		2,5				INHALB
TLV-ACGIH		2,5				Skin

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Predicted no-effect concentration - PNEC		
Normal value in fresh water	130	µg/l
Normal value in marine water	13	ng/l
Normal value for fresh water sediment	1,76	mg/kg/d
Normal value for marine water sediment	176	mg/kg/d
Normal value for water, intermittent release	305	µg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the food chain (secondary poisoning)	300	µg/kg
Normal value for the terrestrial compartment	276	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Local Acute	Systemic Acute	Local Chronice	Systemic Chronice	Local Acute	Systemic Acute	Local Chronice	Systemic Chronice
Inhalation			60 µg/m³				100 µg/m³	
Skin				31,25 mg/kg bw/d				

Isobutane						
Threshold Limit Value						
Type	Country	TWA/8St		Stel/15Min		Remarks/ Observations
		mg/m³	ppm	mg/m³	ppm	
TLV-ACGIH			800			

SODIUM NITRITE		
Predicted no-effect concentration - PNEC		
Normal value in fresh water	5,4	µg/l
Normal value in marine water	6,16	ng/l

Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Local Acute	Systemic Acute	Local Chronice	Systemic Chronice	Local Acute	Systemic Acute	Local Chronice	Systemic Chronice
Inhalation						2 mg/m3		2 mg/m3

Legend:
(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low
hazard ; MED = medium hazard ; HIGH = high hazard.

TLV of solvent mixture: 10 mg/m3

8.2. Exposure controls
As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
HAND PROTECTION
None required.
SKIN PROTECTION
Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

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EYE PROTECTION
Wear airtight protective goggles (see standard EN ISO 16321).
RESPIRATORY PROTECTION
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter combined with a type P filter should be worn (see standard EN 14387).
ENVIRONMENTAL EXPOSURE CONTROLS
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Eigenschaften	Wert	Angaben
Appearance	Aerosol	
Colour	colourless	
Odour	odourless	
Melting point / freezing point	not available	
Initial boiling point	> 100 °C	
Flammability	not flammable	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	not applicable	
Auto-ignition temperature	not available	
Decomposition temperature	> 200°C °C	
pH	7-9	
Kinematic viscosity	not available	
Solubility	soluble in water	
VPartition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	0.96 ÷ 1.00 kg/l	Temperature: 20 °C
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Aerosol	
% flammable components	0,76

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU)	8,08 % - 79,16 g/litre
VOC (volatile carbon)	3,55 % - 34,79 g/litre
Explosive properties	not applicable
Oxidising properties	not applicable
Operating temperature	> 0°C / 100°C ca.
Remarks Biodegradabilità:	92% (composto di H2O)
Propellent	Azoto
Decomposition temperature	> 100 °C

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity
There are no particular risks of reaction with other substances in normal conditions of use.
ETHYLENE GLYCOL
In the air absorbs moisture.Decomposes at temperatures above 200°C/392°F.

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10.2. Chemical stability
The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions
No hazardous reactions are foreseeable in normal conditions of use and storage.
ETHYLENE GLYCOL
Risk of explosion on contact with: perchloric acid.May react dangerously with: chlorosulphuric acid,sodium hydroxide,sulphuric acid,phosphorus pentasulphide,chromium (III) oxide,chromyl chloride,potassium perchlorate,potassium dichromate,sodium peroxide,aluminium.Forms explosive mixtures with: air.

10.4. Conditions to avoid
Avoid overheating.
ETHYLENE GLYCOL
Avoid exposure to: sources of heat,naked flames.

10.5. Incompatible materials
Strong reducing or oxidising agents, strong acids or alkalis, hot material.

10.6. Hazardous decomposition products
ETHYLENE GLYCOL
May develop: hydroxyacetaldehyde,glyoxal,acetaldehyde,methane,carbon monoxide,hydrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information
Information not available

Information on likely routes of exposure
ETHYLENE GLYCOL
WORKERS: inhalation; contact with the skin.
POPULATION: inhalation of ambient air; contact with the skin of products containing the substance.

Delayed and immediate effects as well as chronic effects from short and long-term exposure
ETHYLENE GLYCOL
Ingestion initially stimulates the central nervous system; later replaced by a phase of depression. There may be kidney damage, with anuria and uremia. Over-exposure symptoms are: vomiting, drowsiness, difficulty in breathing, convulsions. The lethal dose for humans is approx. 1.4 ml/kg.

Interactive effects
Information not available

ACUTE TOXICITY

ATE (Inhalation - mists / powders) of the mixture:	> 5 mg/l
ATE (Oral) of the mixture:	>2000 mg/kg
ATE (Dermal) of the mixture:	Not classified (no significant component)

ETHYLENE GLYCOL

LD50 (Dermal):	3500 mg/kg bw mouse
LD50 (Oral):	7712 mg/kg bw rat
ATE (Oral):	500 mg/kg estimate from table 3.1.2 of Annex I of the CLP(figure used for calculation of the acute toxicity estimate of the mixture)
LC50 (Inhalation vapours):	2,5 mg/l/6h rat

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Sodium n-lauroylsarcosinate

LD50 (Oral):	5000 mg/kg bw rat
LC50 (Inhalation mists/powders):	> 50 mg/m³ air 4 h rat
ATE (Inhalation mists/powders):	0,051 mg/l estimate from table 3.1.2 of Annex I of the CLP(figure used for calculation of the acute toxicity estimate of the mixture)

SKIN CORROSION / IRRITATION
Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION
Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION
Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY
Does not meet the classification criteria for this hazard class

CARCINOGENICITY
Does not meet the classification criteria for this hazard class

ETHYLENE GLYCOL
Available studies have shown no carcinogenic potential. In a carcinogenicity study lasting two years, carried out by the US National Toxicology Program (NTP), in which ethylene glycol was administered in the feed, „no evidence of carcinogenic activity“ in male and female B6C3F1 mice was observed (NTP, 1993).

REPRODUCTIVE TOXICITY
Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE
Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE
Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD
Excluded because the aerosol does not allow the accumulation of a significant amount of product in the mouth

11.2. Information on other hazards
Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity
ETHYLENE GLYCOL

LC50 - for Fish	72,86 mg/l/96h
EC50 - for Crustacea	100 mg/l/48h
Chronic NOEC for Fish	23,69 g/l
Chronic NOEC for Crustacea	1 g/l 23 days
Chronic NOEC for Algae / Aquatic Plants	100 mg/l 72 h

Sodium n-lauroylsarcosinate

LC50 - for Fish	> 32,1 mg/l/96h Metodo OCSE 203
EC50 - for Crustacea	> 8,91 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 39 mg/l/72h
Chronic NOEC for Fish	50 mg/l 4 days
Chronic NOEC for Crustacea	5 mg/l 48 h

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Chronic NOEC for Algae / Aquatic Plants 9,2 mg/l 72 h

12.2. Persistence and degradability
Sodium n-lauroylsarcosinate
Easily biodegradable (according to OCSE criteria)

ETHYLENE GLYCOL
Solubility in water 1000 - 10000 mg/l
Rapidly degradable

Sodium n-lauroylsarcosinate
Rapidly degradable

12.3. Bioaccumulative potential
ETHYLENE GLYCOL
Partition coefficient: n-octanol/water -1,36

12.4. Mobility in soil
Information not available

12.5. Results of PBT and vPvB assessment
On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Endocrine disrupting properties
Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects
Information not available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Reuse, when possible. Neat product residues should be considered special non-hazardous waste.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Waste transportation may be subject to ADR restrictions.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.
Product residues are to be considered special hazardous waste.
Empty cans, even if completely emptied, must not be dispersed in the environment.
The aerosol container overheated to a temperature above 50 ° C may burst even if it contains a small residue of gas.
Disposal must take place in an authorized place and in compliance with the laws in force.
The transport of waste may be subject to ADR.
European waste catalog code (contaminated containers):
Aerosol as domestic waste is excluded from the application of the aforementioned rule.
The exhausted aerosol for professional / industrial use can be classified:
15.01.11 *: metallic packaging containing dangerous solid porous matrices, including empty pressure containers

SECTION 14. TRANSPORT INFORMATION

14.1 UN-number or ID-Nummer
ADR/RID, IMDG, IATA: UN1950

14.2 UN proper shipping name
ADR/RID: AEROSOLS
IMDG: AEROSOLS

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IATA: AEROSOLS, NON-FLAMMABLE

14.3 Transport hazard class(es):

ADR / RID: Class 2 Label: 2.2 

IMDG: Class 2 Label: 2.2 

IATA: Class 2 Label: 2.2 

14.4 Packing group

ADR/RID, IMDG, IATA -

14.5 Environmental hazards

ADR / RID: NO
IMDG: NO
IATA: NO

14.6 Special precautions for user

AADR / RID:	HIN - Kemler: --	Limited Quantities: 1 L	Tunnel restriction code: (E)
	Special provision: 190, 327, 344, 625		
IMDG:	EMS: F-D, S-U	Limited Quantities: 1 L	
IATA:	Cargo:	Maximum quantity: 150 Kg	Packaging instructions: 203
	Passengers:	Maximum quantity: 75 Kg	Packaging instructions: 203
	Special provision:	A98, A145, A167, A802	

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. REGULATORY INFORMATION

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

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
Product
Point 40

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicable

Substances in Candidate List (Art. 59 REACH)
On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)
None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:
None

Substances subject to the Rotterdam Convention:
None
Substances subject to the Stockholm Convention:
None
Healthcare controls
Information not available

Product residues are to be considered special hazardous waste.
Empty cans, even if completely emptied, must not be dispersed in the environment.
The aerosol container overheated to a temperature above 50Â ° C can burst even if it contains a small residue of

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gas. Disposal must take place in an authorized place and in compliance with the laws in force.
Waste transportation can be subject to ADR.

European waste catalog number (contaminated containers):
Aerosol as domestic waste is excluded from the application of the aforementioned standard.
The used aerosol for professional / industrial use can be classified:
15.01.10 *: packaging containing residues of dangerous substances or contaminated by these substances.

15.2. Chemical safety assessment
A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. OTHER INFORMATION

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Aerosol 3	Aerosol, category 3
Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
H229	Pressurised container: may burst if heated.
H330	Fatal if inhaled.
H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
H318	Causes serious eye damage.
H315	Causes skin irritation.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative

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- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
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21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the
suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current
health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION
Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for
evaluation of chemical-physical properties are reported in section 9.
Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in
Section 11.
Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise
in Section 12.
Changes to previous review:
The following sections were modified:
02 / 03 / 08 / 11 / 13 / 15.

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