Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 13.04.2023 Revision date: 20.12.2023 Supersedes version of: 13.04.2023 Version: 2.0

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	GRAISSLUB ALX 1 AEROSOL
Product code	:	30774
Product identification	:	Aerosol

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

1.2.1. Relevant identified uses

Main use category

: Professional use, Industrial use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

IPC

10 Quai Malbert, 29200, BREST, FRANCE. Tel. : +33 (0)2 98 43 45 44. Fax : +33 (0)2 98 44 22 53 ipc@groupe-ipc.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol 1

H222;H229

Full text of hazard classes, H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

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

2.2. Label elements

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

Hazard pictograms (CLP)



	GHS02
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H222 - Extremely flammable aerosol.
	H229 - Pressurised container: May burst if heated.
Precautionary statements (CLP)	: 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.

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	P251 - Do not pierce or burn, even after use. P260 - Do not breathe spray. P271 - Use only outdoors or in a well-ventilated area.
	P403 - Store in a well-ventilated place.
	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.
Extra phrases	: For professional use only.
	Not to be used for any purpose other than the one the product was designed for.
	Seek medical attention if ill effect develops.

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 is 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

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics substance with national workplace exposure limit(s) (FR)	EC-No.: 918-167-1 REACH-no: 01-2119472146- 39	20 – 30	Flam. Liq. 3, H226 Asp. Tox. 1, H304 EUH066
N-Butane (contenant <0.1% butadiène) (Propellant gas (Aerosol))	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0 REACH-no: 01-2119474691- 32	20 – 30	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
propane (Propellant gas (Aerosol))	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944- 21	10 – 20	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Isobutane (containing < 0,1 % butadiene) (Propellant gas (Aerosol)) (Note C)(Note U)	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119485395- 27	8 – 10	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	CAS-No.: 68411-46-1 EC-No.: 270-128-1 REACH-no: 01-2119491299- 23	< 0,1	Repr. 2, H361f Aquatic Chronic 3, H412

Comments

: Calculation of aerosol labeling excluding gas

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

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Note U: When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:. Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

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	 If you feel unwell, seek medical advice. Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 Wash skin with plenty of water. Seek medical attention if ill effect or irritation develops. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting
4.2. Most important symptoms and ef	Allow the victim to rest. fects, both acute and delayed
Symptoms/effects after skin contact Symptoms/effects after ingestion	Repeated exposure may cause skin dryness or cracking.Ingestion unlikely.

Treat symptomatically.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard Reactivity in case of fire Hazardous decomposition products in case of fire	 Extremely flammable aerosol. Pressurised container: May burst if heated. Prevent fire fighting water from entering the environment. Toxic fumes may be released. 	
5.3. Advice for firefighters		
Firefighting instructions Protection during firefighting	 Exercise caution when fighting any chemical fire. During a fire, projections ignited aerosol that burst under excessive pressure have to be controlled. To avoid overpressure, cool aerosols with water. Prevent fire fighting water from entering the environment. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. 	

SECTION 6: Accidental release measure	S
6.1. Personal precautions, protective equipm	nent and emergency procedures
General measures	: Measures to take in the case of crushing or piercing aerosols, causing the leaking of products contained in aerosols. Ventilate area. Do not smoke. Remove ignition sources. Provide local exhaust or general room ventilation. Evacuate and limit access. Use special care to avoid static electric charges.
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not touch spilled material. Evacuate area.

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6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Provide adequate ventilation. Do not inhale vapour.	
6.2. Environmental precautions		
Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.		
6.3. Methods and material for containment and cleaning up		

Methods for cleaning up	: Mechanically recover the product. Clean spills promptly. Collect the residue by means of a
	non-combustible absorbent material.

: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Other information

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	 Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Not to be used for any purpose other than the one the product was designed for. Do not breathe gas, fumes, vapour or spray. During the handling of a pallet, you have to take all precaution to avoid a start of a n accident perforation of the aerosol by a fork-lift truck. During the load and unloading of the vehicle, you have to take all the precaution to avoid a fall a aerosol. Do not spray tha aerosol neither close nor towards a flame, a white-hot body, an electrical appliance in runing, DO NOT SMOCKING. Container under pressure. Do not drill or burn even after use. Store and handle as though always a serious potential fire/explosion and health hazard exists.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, inclu	ding any incompatibilities
Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Use grounded electrical/mechanical equipment.
Storage conditions	 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool. Recommendations applicable to warehouses and reserves which are stored aerosols. It is recommended to de-normalize aerosols in stock. The " aerosol " or area must be set with a wire mesh of mesh max 5cm, forming a cage or using walls to avoid splashing the aerosols may ignite rest of the stock. Do not smoke. To reduce the risk of falling, should position the pallet closest to the ground. If the packages are stacked, it should ensure that those lower layers do not crash (risk of leakage through compression).
	It is recommended : - Ventilate the premises and not store any sprays near heat sources, including sunlight, sparks and open flames - To use the procedure of fire when working . Store in a dry, well ventilated place .
7.3. Specific end use(s)	

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

N-Butane (contenant <0.1% butadiène) (106-97-8)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	1450 mg/m³
WEL TWA (OEL TWA) [2]	600 ppm
WEL STEL (OEL STEL)	1810 mg/m ³
WEL STEL (OEL STEL) [ppm]	750 ppm

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Skin protection appropriate to the conditions of use should be provided

Hand protection:

Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)			EN ISO 374

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8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

9.1. Information on basic physical and ch	emical properties
Physical state	: Liquid
Colour	: white.
Appearance	: Opaque.
Ddour	: Not available
Ddour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Extremely flammable aerosol.
Explosive properties	: Pressurised container: May burst if heated.
_ower explosion limit	: Not available
Jpper explosion limit	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
/iscosity, kinematic	: > 20,5 mm²/s (PA 40°C)
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
/apour pressure	: Not available
/apour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 0,82 (PA)
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable
9.2. Other information	
0.2.1. Information with regard to physical haza	rd classes
% of flammable ingredients	: 73 %
0.2.2. Other safety characteristics	
/OC content	: 73,3 % (492.4 g/l)

SECTION 10: Stability and reactivity		
10.1. Reactivity		
Extremely flammable aerosol. Pressurised container: May burst if heated.		
10.2. Chemical stability		

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Extremely high or low temperatures. Do not expose to temperatures exceeding 50 °C/ 122 °F.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information				
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008				
Acute toxicity (oral): Not classifiedAcute toxicity (dermal): Not classifiedAcute toxicity (inhalation): Not classified				
Hydrocarbons, C11-C12, isoalkanes, <2% aro	matics			
LD50 oral rat	> 5000 mg/kg			
LD50 dermal rabbit	> 3,16 ml/kg			
LC50 Inhalation - Rat	> 5000 mg/m³			
Benzenamine, N-phenyl-, reaction products v	vith 2,4,4-trimethylpentene (68411-46-1)			
LD50 oral rat	> 5000 mg/kg			
LD50 dermal rat	> 2000 mg/kg			
Skin corrosion/irritation :	Not classified			
Serious eye damage/irritation :	Not classified			
Respiratory or skin sensitisation :	Not classified			
Germ cell mutagenicity :	Not classified			
Carcinogenicity :	Not classified			
Reproductive toxicity :	Not classified			
STOT-single exposure :	Not classified			
STOT-repeated exposure :	Not classified			
Aspiration hazard :	Not classified			
GRAISSLUB ALX 1 AEROSOL				
Product identification	Aerosol			
Viscosity, kinematic	> 20,5 mm²/s (PA 40°C)			
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics				
Viscosity, kinematic	1,1 mm²/s 40°C			
11.2. Information on other hazards				

No additional information available

SECTION 12: Ecological information			
12.1. Toxicity			
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.		
Hazardous to the aquatic environment, short-term (acute)	: Not classified		

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Hydrocarbons, C11-C12, isoalkanes, <2% aromatics LC50 - Fish [1] 1000 mg/l Oncorhynchus mykiss EC50 - Crustacea [1] 1000 mg/l Daphnia magna EC50 72h - Algae [1] 1000 mg/l Pseudokirchneriella subcapitata NOEC chronic crustacea ≥ 1 mg/l Daphnia magna, 21d 12.2. Persistence and degradability Hydrocarbons, C11-C12, isoalkanes, <2% aromatics Persistence and degradability Readily biodegradable. N-Butane (contenant <0.1% butadiène) (106-97-8) Persistence and degradability Haif-life time in water: <2.6 d Haif-life time in air: 3.2 d. propane (74-98-6) Biodegradation < 60 % 28d 12.3. Bioaccumulative potential Not potentially bioaccumulable. propane (74-98-6) Bioaccumulative potential Bioaccumulative potential Not potentially bioaccumulable. propane (74-98-6) Bioaccumulative potential Bioaccumulative potential No information available. 12.4. Mobility in soil No information available. No additional information available LC5. Results of PBT and vPVB assessment No additional information available No additional information available	Hazardous to the aquatic environment, long-term : Not classified (chronic)			
EC50 - Crustacea [1] 1000 mg/l Daphnia magna EC50 72h - Algae [1] 1000 mg/l Pseudokirchneriella subcapitata NOEC chronic crustacea ≥ 1 mg/l Daphnia magna, 21d It mg/l Daphnia ma				
EC50 72h - Algae [1] 1000 mg/l Pseudokirchneriella subcapitata NOEC chronic crustacea ≥ 1 mg/l Daphnia magna, 21d 12.2. Persistence and degradability Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	LC50 - Fish [1]	1000 mg/l Oncorhynchus mykiss		
NOEC chronic crustacea ≥ 1 mg/l Daphnia magna, 21d 12.2. Persistence and degradability Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	EC50 - Crustacea [1]	1000 mg/l Daphnia magna		
12.2. Persistence and degradability Hydrocarbons, C11-C12, isoalkanes, <2% aroutics	EC50 72h - Algae [1]	1000 mg/l Pseudokirchneriella subcapitata		
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	NOEC chronic crustacea	≥ 1 mg/l Daphnia magna, 21d		
Persistence and degradability Readily biodegradable. N-Butane (contenant <0.1% butadiène) (106-97-8)	12.2. Persistence and degradability			
N-Butane (contenant <0.1% butadiène) (106-97-8)	Hydrocarbons, C11-C12, isoalkanes, <2% aron	natics		
Persistence and degradability Half-life time in water: <2.6 d Half-life time in air: 3.2 d. propane (74-98-6) Image: Solution of the soluti	Persistence and degradability	Readily biodegradable.		
Half-life time in air: 3.2 d. propane (74-98-6) Biodegradation < 60 % 28d	N-Butane (contenant <0.1% butadiène) (106-9	7-8)		
Biodegradation < 60 % 28d	Persistence and degradability			
12.3. Bioaccumulative potential N-Butane (contenant <0.1% butadiène) (106-97-8)	propane (74-98-6)			
N-Butane (contenant <0.1% butadiène) (106-97-8)	Biodegradation	< 60 % 28d		
Bioaccumulative potential Not potentially bioaccumulable. propane (74-98-6) Image: Company Stress Stres	12.3. Bioaccumulative potential	12.3. Bioaccumulative potential		
propane (74-98-6) Bioaccumulative potential No information available. 12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPvB assessment No additional information available	N-Butane (contenant <0.1% butadiène) (106-9	7-8)		
Bioaccumulative potential No information available. 12.4. Mobility in soil No additional information available No additional information available Image: Comparison of the second s	Bioaccumulative potential	Not potentially bioaccumulable.		
12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPvB assessment No additional information available	propane (74-98-6)			
No additional information available 12.5. Results of PBT and vPvB assessment No additional information available	Bioaccumulative potential	No information available.		
12.5. Results of PBT and vPvB assessment No additional information available	12.4. Mobility in soil			
No additional information available	No additional information available			
	12.5. Results of PBT and vPvB assessment			
12.6. Endocrine disrupting properties	No additional information available			
	12.6. Endocrine disrupting properties			
No additional information available				
12.7. Other adverse effects				
No additional information available				

SECTION 13: Disposal considerations	5
13.1. Waste treatment methods	
Waste treatment methods Product/Packaging disposal recommendations	 Dispose of contents/container in accordance with licensed collector's sorting instructions. Dispose in a safe manner in accordance with local/national regulations. Container under
Ecology - waste materials	pressure. Do not drill or burn even after use. : Avoid release to the environment.

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HP Code : HP3 - "Flammable:" - flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;

- flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;

- flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;

– flammable gaseous waste: gaseous waste which is flammable in air at 20 $^{\circ}\text{C}$ and a standard pressure of 101.3 kPa;

- water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;

- other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber		1	
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shippin	g name			
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document descr	iption			-
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.1
14.3. Transport hazard o	class(es)			
2.1	2.1	2.1	2.1	2.1
		*		
14.4. Packing group			1	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			-
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

No supplementary information available

14.6. Special precautions for user

Overland transport Classification code (ADR) : 5F 190, 327, 344, 625 Special provisions (ADR) Limited quantities (ADR) 11 : Excepted quantities (ADR) E0 : Packing instructions (ADR) : P207 Special packing provisions (ADR) : PP87, RR6, L2 : MP9 Mixed packing provisions (ADR) Transport category (ADR) : 2

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Special provisions for carriage - Packages (ADR) Special provisions for carriage - Loading, unloading and handling (ADR)	: V14 : CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D
Transport by sea	
Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

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

15.1.1. EU-Regulations

Other information, restriction and prohibition : Aerosol Generator Directive 75/324/EEC and its adaptations. regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code Applicable on		
3(a)	GRAISSLUB ALX 1 AEROSOL ; Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
3(b)	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
40. N-Butane (contenant <0.1% butadiène) ; propane ; Hydrocarbons, C11-C12, isoalkanes, <2% aromatics		

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)

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VOC Directive (2004/42)

VOC content

: 73,3 % (492.4 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)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section Changed item		Change	Comments
	Revision date	Modified	
2.2	Extra phrases	Modified	
3	Composition/information on ingredients	Modified	
8.2	Hand protection	Modified	

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	

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Abbreviations and acronyms:	
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 3	Flammable liquids, Category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
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.
H361f	Suspected of damaging fertility.
H412	Harmful to aquatic life with long lasting effects.
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
Repr. 2	Reproductive toxicity, Category 2

The classification complies with

: ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.