Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

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

· **1.1 Product identifier**

· **Trade name:** GRF IMAL AE 300ML*12 L221

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture** Penetrating oil

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**
Bison International
Dr.A.F.Philipsstraat 9
NL-4462 EW Goes
PO Box 160
NL-4460 AD Goes
tel. +31 88 3235700
fax. +31 88 3235800
e mail: sds@boltonadhesives.com

· **Further information obtainable from:** PSRA

· **1.4 Emergency telephone number:**
National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)
Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

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SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Aerosol 1	H222 Extremely flammable aerosol.
	H229 Pressurised container: May burst if heated.
STOT SE 3	H336 May cause drowsiness or dizziness.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

· **2.2 Label elements**

· **Classification needs to be in accordance with the NZ Hazardous Substances (Hazard Classification) Notice 2020**
The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
1-methoxy-2-propanol
Hydrocarbons, C10, aromatics, <1% naphthalene

(Contd. on page 2)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 1)

· **Hazard statements**
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
· **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
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.
P271 Use only outdoors or in a well-ventilated area.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with national regulations.
· **Additional information:**
EUH066 Repeated exposure may cause skin dryness or cracking.
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable

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SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Penetrating oil

· **Dangerous components:**		
EC number: 926-141-6 Reg.nr.: 01-2119456620-43-XXXX	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics Asp. Tox. 1, H304, EUH066	25-50%
CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3 Reg.nr.: 01-2119457435-35-XXXX	1-methoxy-2-propanol Flam. Liq. 3, H226; STOT SE 3, H336	10-25%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-XXXX	n-Butan Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-25%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-XXXX	propane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-25%
EC number: 918-811-1	Hydrocarbons, C10, aromatics, <1% naphthalene Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336, EUH066	2.5-10%

(Contd. on page 3)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 2)

CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	2.5-10%
CAS: 95-63-6 EINECS: 202-436-9 Index number: 601-043-00-3 Reg.nr.: 01-2119472135-42-XXXX	1,2,4-trimethylbenzene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≥0.25-<1%
CAS: 95-38-5 EINECS: 202-414-9 Reg.nr.: 01-2119777867-13-XXXX	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol STOT RE 2, H373; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302	≥0.025-<0.25%
CAS: 110-25-8 Reg.nr.: 01-2119488991-20-XXXX	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H332; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	<0.25%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:** No special measures required.
· **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
No special measures required.
· **After skin contact:** Generally the product does not irritate the skin.
· **After eye contact:** Rinse opened eye for several minutes under running water.
· **After swallowing:** If symptoms persist consult doctor.
· **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
· **5.3 Advice for firefighters**
· **Protective equipment:** No special measures required.

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(Contd. on page 4)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 3)

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
· **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
· **Information about storage in one common storage facility:** Not required
· **Further information about storage conditions:** Keep container tightly sealed.
· **Storage class:** 2 B
· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
107-98-2 1-methoxy-2-propanol	
OEL (Ireland)	Short-term value: 568 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm IOELV
IOELV (EU)	Short-term value: 568 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Skin
106-97-8 n-Butan	
OEL (Ireland)	Short-term value: 1000 ppm

(Contd. on page 5)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 4)

74-98-6 propane	
OEL (Ireland)	Asphx

75-28-5 isobutane	
OEL (Ireland)	Short-term value: 1000 ppm

95-63-6 1,2,4-trimethylbenzene	
OEL (Ireland)	Long-term value: 100 mg/m³, 20 ppm IOELV
IOELV (EU)	Long-term value: 100 mg/m³, 20 ppm

· **DNELs**

107-98-2 1-methoxy-2-propanol		
Oral	Consumer, oral, longterm exposition	3.3 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	50.6 mg/kg bw/day
	Consumer, dermal, longterm exposition	18.1 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	553.5 mg/m³
	Worker, inhalative, longterm exposition	369 mg/m³
	Consumer, inhalative, longterm exposition	43.9 mg/m³
Hydrocarbons, C10, aromatics, <1% naphthalene		
Oral	Consumer, oral, longterm exposition	7.5 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	12.5 mg/kg bw/day
	Consumer, dermal, longterm exposition	7.5 mg/kg bw/day
Inhalative	Worker, inhalative, longterm exposition	150 mg/m³
	Consumer, inhalative, longterm exposition	32 mg/m³
95-38-5 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol		
Dermal	Worker, dermal, shortterm exposition	2 mg/kg bw/day
	Worker, dermal, longterm exposition	0.06 mg/kg bw/day
Inhalative	Worker, inhalative, shortterm exposition	14 mg/m³
	Worker, inhalative, longterm exposition	0.46 mg/m³
110-25-8 (Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine		
Oral	Consumer, oral, longterm exposition	1.5 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	4.2 mg/kg bw/day
	Consumer, dermal, longterm exposition	1.5 mg/kg bw/day
Inhalative	Worker, inhalative, longterm exposition	0.8 mg/m³
	Consumer, inhalative, longterm exposition	0.4 mg/m³

· **PNECs**

107-98-2 1-methoxy-2-propanol	
Fresh water	10 mg/l
Fresh water sediment	52.3 mg/kg dry weight
Marine water	1 mg/l
Marine sediment	5.2 mg/kg dry weight
Soil	4.59 mg/kg

(Contd. on page 6)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 5)

Sewage treatment plant	100 mg/l
Sporadic release	100 mg/l
95-38-5 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	
Fresh water	0.00003 mg/l
Fresh water sediment	0.376 mg/kg dry weight
Marine water	0.000003 mg/l
Marine sediment	0.0376 mg/kg dry weight
Soil	0.075 mg/kg
Sewage treatment plant	0.27 mg/l
Sporadic release	0.0003 mg/l
110-25-8 (Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	
Fresh water	0.004 mg/l
Fresh water sediment	0.057 mg/kg dry weight
Marine water	0 mg/l
Marine sediment	0.006 mg/kg dry weight
Soil	1.71 mg/kg
Sewage treatment plant	1 mg/l

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see section 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
· **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.
· **Recommended filter device for short term use:** Filter A
· **Hand protection**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
Recommended thickness of the material: > 0,12 mm
Nitrile rubber, NBR
· **Penetration time of glove material**
For the mixture of chemicals mentioned below the penetration time has to be at least 10 minutes (Permeation according to EN 374 Part 3: Level 1).
· **Eye/face protection** Not required

IE

(Contd. on page 7)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 6)

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SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Physical state**	Aerosol
· **Colour:**	According to product specification
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined
· **Melting point/freezing point:**	Undetermined
· **Boiling point or initial boiling point and boiling range**	-44.5 °C (74-98-6 propane)
· **Flammability**	Not applicable
· **Lower and upper explosion limit**	
· **Lower:**	0.5 Vol % (64742-47-8 Distillates (petroleum), hydrotreated light)
· **Upper:**	~20 Vol % (107-98-2 1-methoxy-2-propanol)
· **Flash point:**	-60 °C (106-97-8 n-Butan)
· **Auto-ignition temperature:**	210 °C (64742-47-8 Distillates (petroleum), hydrotreated light)
· **Decomposition temperature:**	Not determined
· **pH**	Mixture is a gas.
· **Viscosity:**	
· **Kinematic viscosity**	Not determined
· **Dynamic:**	Not determined
· **Solubility**	
· **water:**	Not miscible or difficult to mix.
· **Partition coefficient n-octanol/water (log value)**	Not determined
· **Vapour pressure at 20 °C:**	8300 hPa (74-98-6 propane)
· **Density and/or relative density**	
· **Density at 20 °C:**	~0.634 g/cm³
· **Relative density**	Not determined
· **Vapour density**	Not determined
· **9.2 Other information**	All relevant physical data were determined for the mixture. All non-determined data are not measurable or not relevant for the characterization of the mixture.
· **Appearance:**	
· **Form:**	Aerosol
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· **Solvent content:**	
· **Organic solvents:**	80.5 %
· **VOC (EC)**	86.51 %
· **Solids content:**	0.2 %

(Contd. on page 8)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 7)

· **Change in condition**	
· **Evaporation rate**	Not applicable.
· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Extremely flammable aerosol. Pressurised container: May burst if heated.
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Void
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void
· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void
· **Desensitised explosives**	Void

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)

(Contd. on page 9)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 8)

107-98-2 1-methoxy-2-propanol		
Oral	LD50	4016 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Hydrocarbons, C10, aromatics, <1% naphthalene		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
95-63-6 1,2,4-trimethylbenzene		
Oral	LD50	5000 mg/kg (rat)
Inhalative	LC50/4 h	11 mg/l (rat)
95-38-5 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol		
Oral	LD50	1265 mg/kg (rat)
110-25-8 (Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine		
Oral	LD50	>5000 mg/kg (rat)

· **Primary irritant effect:**
· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity**
Not applicable
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** May cause drowsiness or dizziness.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** May be fatal if swallowed and enters airways.
· **Additional toxicological information:**
· **Acute effects (acute toxicity, irritation and corrosivity)** Not applicable
· **Sensitisation** Not applicable
· **Repeated dose toxicity** Not applicable
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**
None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable
· **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.

(Contd. on page 10)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 9)

· **12.7 Other adverse effects**
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Disposal must be made according to official regulations.

· **Uncleaned packaging:**
· **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

· **14.1 UN number or ID number**	
· **ADR/ADN, IMDG, IATA**	UN1950
· **14.2 UN proper shipping name**	
· **ADR/ADN**	1950 AEROSOLS
· **IMDG**	AEROSOLS
· **IATA**	AEROSOLS, flammable
· **14.3 Transport hazard class(es)**	
· **ADR/ADN**	



· **Class**	2 5F Gases.
· **Label**	2.1
· **IMDG, IATA**	



· **Class**	2.1 Gases.
· **Label**	2.1

(Contd. on page 11)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 10)

· **14.4 Packing group**	
· **ADR/ADN, IMDG, IATA**	not regulated
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	No
· **14.6 Special precautions for user**	Warning: Gases.
· **Hazard identification number (Kemler code):**	-
· **EMS Number:**	F-D,S-U
· **Segregation groups**	(SGG18) Alkalis
· **Stowage Code**	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· **Segregation Code**	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable
· **Transport/Additional information:**	
· **Quantity limitations**	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
· **ADR/ADN**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E0 Not permitted as Excepted Quantity
· **Transport category**	2
· **Tunnel restriction code**	D
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E0 Not permitted as Excepted Quantity
· **UN "Model Regulation":**	UN 1950 AEROSOLS, 2.1

IE

(Contd. on page 12)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 11)

SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** P3a FLAMMABLE AEROSOLS
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H220 Extremely flammable gas.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

(Contd. on page 13)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.07.2026 Version number 180 (replaces version 179) Revision: 16.07.2026

Trade name: GRF IMAL AE 300ML*12 L221

(Contd. of page 12)

· **Classification according to Regulation (EC) No 1272/2008**	
Aerosols, Section 2.3.1	Bridging principles
Specific target organ toxicity (single exposure) Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Aspiration hazard	Expert judgement

· **Department issuing SDS:** PSRA
· **Contact:** PSRA
· **Date of previous version:** 22.01.2022
· **Version number of previous version:** 179
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
: Aerosols – Category 3
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· *** Data compared to the previous version altered.**

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