

Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

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

## 1.1 Product identifier

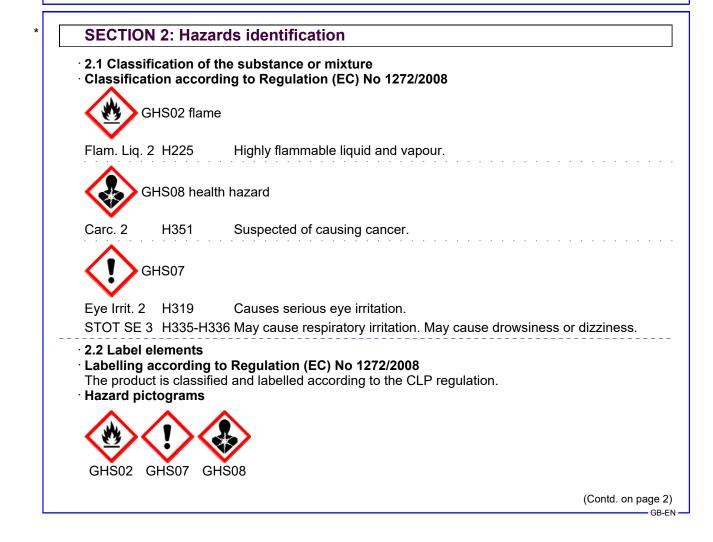
· Trade name: GRF WDF-05 BO 500ML\*12 L193

- **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 Adhesive

# 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: Bison QESH

· 1.4 Emergency telephone number: +31 88 3235700. Operating hours mo-fr 08:00h-17:00h (CET)





Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

## Trade name: GRF WDF-05 BO 500ML\*12 L193

	(Contd. of page
-	vord Danger
	determining components of labelling:
tetrahyd	
butanon	
	statements
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
	336 May cause respiratory irritation. May cause drowsiness or dizziness.
	ionary statements
P101	If medical advice is needed, have product container or label at hand.
P102 P210	Keep out of reach of children.
F210	Keep away from heat, hot surfaces, sparks, open flames and other ignition source No smoking.
P261	Avoid breathing vapours.
P280	Wear protective gloves.
	378 In case of fire: Use to extinguish: Water haze, Alcohol resistant foam, Fir
10/0/1	extinguishing powder, Carbon dioxide.
P403+P	233 Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with national regulations.
Addition	nal information:
	Repeated exposure may cause skin dryness or cracking.
	g of packages where the contents do not exceed 125 ml
	pictograms
	GHS07 GHS08
GHS02	
GHS02 Signal v Hazard-	GHS07 GHS08 vord Danger determining components of labelling:
GHS02 Signal v Hazard- tetrahyd	Vord Danger         determining components of labelling:         rofuran
GHS02 GHS02 Signal v Hazard- tetrahyd butanon	vord Danger determining components of labelling: rofuran e
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard	vord Danger determining components of labelling: rofuran e statements
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351	Vord Danger         determining components of labelling:         rofuran         e         statements         Suspected of causing cancer.
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351 H335-H3	vord Danger determining components of labelling: rofuran e statements Suspected of causing cancer. 336 May cause respiratory irritation. May cause drowsiness or dizziness.
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351 H335-H3 Precaut	vord Danger determining components of labelling: rofuran e statements Suspected of causing cancer. 336 May cause respiratory irritation. May cause drowsiness or dizziness. ionary statements
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351 H335-H3 Precaut P101 If r	vord Danger determining components of labelling: rofuran e statements Suspected of causing cancer. 336 May cause respiratory irritation. May cause drowsiness or dizziness. ionary statements medical advice is needed, have product container or label at hand.
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351 H335-H3 Precaut P101 If r P102 Ke	vord Danger determining components of labelling: rofuran e statements Suspected of causing cancer. 336 May cause respiratory irritation. May cause drowsiness or dizziness. ionary statements medical advice is needed, have product container or label at hand. tep out of reach of children.
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351 H335-H3 Precaut P101 If r P102 Ke P261 Av	vord Danger determining components of labelling: rofuran e statements Suspected of causing cancer. 336 May cause respiratory irritation. May cause drowsiness or dizziness. ionary statements medical advice is needed, have product container or label at hand. tep out of reach of children. oid breathing vapours.
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351 H335-H3 Precaut P101 If r P102 Ke P261 Av P280 W	vord Danger determining components of labelling: rofuran e statements Suspected of causing cancer. 336 May cause respiratory irritation. May cause drowsiness or dizziness. ionary statements medical advice is needed, have product container or label at hand. tep out of reach of children. oid breathing vapours. ear protective gloves.
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351 H335-H3 Precaut P101 If r P102 Ke P261 Av P280 We P280 We P501 Dis	vord Danger determining components of labelling: rofuran e statements Suspected of causing cancer. 336 May cause respiratory irritation. May cause drowsiness or dizziness. ionary statements medical advice is needed, have product container or label at hand. tep out of reach of children. oid breathing vapours. ear protective gloves. spose of contents/container in accordance with national regulations.
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351 H335-H3 Precaut P101 Ifr P102 Ke P261 Av P280 We P280 We P501 Dis <b>2.3 Othe</b>	Vord Danger         determining components of labelling:         rofuran         e         statements         Suspected of causing cancer.         36 May cause respiratory irritation. May cause drowsiness or dizziness.         ionary statements         medical advice is needed, have product container or label at hand.         ep out of reach of children.         oid breathing vapours.         ear protective gloves.         spose of contents/container in accordance with national regulations.         er hazards
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351 H335-H3 Precaut P101 Ifr P102 Ke P261 Av P280 We P501 Dis <b>2.3 Othe</b> Results	Vord Danger         determining components of labelling:         rofuran         e         statements         Suspected of causing cancer.         36 May cause respiratory irritation. May cause drowsiness or dizziness.         ionary statements         medical advice is needed, have product container or label at hand.         tep out of reach of children.         oid breathing vapours.         ear protective gloves.         spose of contents/container in accordance with national regulations.         or PBT and vPvB assessment
GHS02 GHS02 Signal v Hazard- tetrahyd butanon Hazard H351 H335-H3 Precaut P101 If r P102 Ke P261 Av P280 We P501 Dis 2.3 Othe Results PBT: No	Vord Danger         determining components of labelling:         rofuran         e         statements         Suspected of causing cancer.         36 May cause respiratory irritation. May cause drowsiness or dizziness.         ionary statements         medical advice is needed, have product container or label at hand.         ep out of reach of children.         oid breathing vapours.         ear protective gloves.         spose of contents/container in accordance with national regulations.         er hazards



Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

(Contd. of page 2)

List II

#### Trade name: GRF WDF-05 BO 500ML\*12 L193

## Determination of endocrine-disrupting properties

78-93-3 butanone

### **SECTION 3: Composition/information on ingredients**

#### · 3.2 Mixtures

· Description: Adhesive

· Dangerous components:				
CAS: 109-99-9 EINECS: 203-726-8 Index number: 603-025-00-0 Reg.nr.: 01-2119444314-46	tetrahydrofuran Flam. Liq. 2, H225;	≥50-<80%		
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43	butanone Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336, EUH066			

• 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. If symptoms persist, consult a doctor.
- · 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:

Water haze

Alcohol resistant foam

Fire-extinguishing powder

Carbon dioxide

· For safety reasons unsuitable extinguishing agents: Water with full jet

(Contd. on page 4)

GB-EN



Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

(Contd. of page 3)

#### Trade name: GRF WDF-05 BO 500ML\*12 L193

· 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.
- · Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

# 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: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Send for recovery or disposal in suitable receptacles.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 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

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:

· Requirements to be met by storerooms and receptacles: Store in a cool location.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

- · Storage class: 3
- · 7.3 Specific end use(s) No further relevant information available.

(Contd. on page 5)

GB-FN



Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

Trade name: GRF WDF-05 BO 500ML\*12 L193

(Contd. of page 4)

-		arameters	
		vith limit values that require monitori	ng at the workplace:
		ahydrofuran	
L		erm value: 300 mg/m³, 100 ppm rm value: 150 mg/m³, 50 ppm	
78-93-3		lone	
		erm value: 899 mg/m³, 300 ppm	
L		rm value: 600 mg/m³, 200 ppm	
DNELs			
78-93-3	buta	none	
Oral	Co	nsumer, oral, longterm exposition	31 mg/kg bw/day
Dermal	Co	nsumer, dermal, longterm exposition	412 mg/kg bw/day
Inhalati		nsumer, inhalation, longterm exposition	
PNECs			
78-93-3	buta	none	
Fresh v	vater	55.8 mg/l	
Marine	water	55.8 mg/l	
Soil		22.5 mg/kg	
Ingredi	ents v	vith biological limit values:	
78-93-3		-	
BMGV			
		m: urine	
		ling time: post shift neter: butan-2-one	
		formation: The lists valid during the ma	king were used as basis
		-	ining word used as basis.
		e <b>controls</b> engineering controls No further data; s	see item 7
Annror		otection measures, such as personal	
	l prot	ective and hygienic measures:	
Individ Genera	ual pre	cautionary measures are to be adhered	to when handling chemicals.
Individ Genera The use		om foodstuffs, beverages and feed. emove all soiled and contaminated cloth	aing
Individ Genera The usu Keep a	way fro	emove an soneu anu contannnateu clotr	miy
Individ Genera The usu Keep a Immedi	way fro ately r		
Individ Genera The usu Keep a Immedi Wash h	way fro ately r iands l	pefore breaks and at the end of work. gases / fumes / aerosols.	
Individ Genera The usu Keep a Immedi Wash h Do not Avoid c	way fro ately r lands l inhale ontact	before breaks and at the end of work. gases / fumes / aerosols. with the eyes.	
Individ Genera The usu Keep a Immedi Wash h Do not Avoid c Avoid c	way fro ately r ands l inhale ontact ontact	before breaks and at the end of work. gases / fumes / aerosols. with the eyes. with the eyes and skin.	
Individ Genera The usu Keep a Immedi Wash h Do not Avoid c Avoid c Respira	way fro ately r ands l inhale ontact ontact <b>atory  </b>	before breaks and at the end of work. gases / fumes / aerosols. with the eyes. with the eyes and skin. <b>protection:</b>	
Individ Genera The usu Keep a Immedi Wash h Do not Avoid c Avoid c Respira Suitable	way fro ately r ands l inhale ontact ontact <b>atory  </b> e respi	before breaks and at the end of work. gases / fumes / aerosols. with the eyes. with the eyes and skin. <b>protection:</b> ratory protective device recommended.	ory filter device. In case of intensive or lor
Individ Genera The usu Keep a Immedi Wash h Do not Avoid c Avoid c Respira Suitable In case exposu	way fro ately r lands l inhale ontact ontact <b>atory  </b> e respi of brie re use	before breaks and at the end of work. gases / fumes / aerosols. with the eyes. with the eyes and skin. <b>protection:</b> ratory protective device recommended. of exposure or low pollution use respirat self-contained respiratory protective de	
Individ Genera The usu Keep a Immedi Wash h Do not Avoid c Avoid c Respira Suitable In case exposu Use sui	way fro ately r iands l inhale ontact ontact <b>atory l</b> e respi of brie re use table r	before breaks and at the end of work. gases / fumes / aerosols. with the eyes. with the eyes and skin. <b>protection:</b> ratory protective device recommended. of exposure or low pollution use respirat	vice. nsufficient ventilation.



Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

(Contd. of page 5)

## Trade name: GRF WDF-05 BO 500ML\*12 L193

Hand protection

Solvent resistant gloves



Protective gloves

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
- Butyl rubber, BR
- Recommended thickness of the material: > 0,7 mm
- Penetration time of glove material

For the mixture of chemicals mentioned below the penetration time has to be at least 120 minutes (Permeation according to EN 374 Part 3: Level 4).

· Eye/face protection



Tightly sealed goggles

Goggles recommended during refilling Body protection: Solvent resistant protective clothing

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

· General Information	
Physical state	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
<ul> <li>Melting point/freezing point:</li> </ul>	Undetermined.
· Boiling point or initial boiling point a	nd
boiling range	65.5 °C
· Flammability	Not applicable.
• Lower and upper explosion limit	
Lower:	1.5 Vol %
· Upper:	12 Vol %
Flash point:	-21 °C
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
Kinematic viscosity	Not determined.
· Dynamic at 20 °C:	675 mPas

GB-EN



Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

## Trade name: GRF WDF-05 BO 500ML\*12 L193

	(Contd. of page
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log	
value)	Not determined.
· Vapour pressure at 20 °C:	200 hPa
Density and/or relative density	
Density at 20 °C:	0.965-0.966 g/cm <sup>3</sup>
Relative density	Not determined.
· Vapour density	Not determined.
9.2 Other information	All relevant physical data were determined for th mixture. All non-determined data are no measurable or not relevant for th characterization of the mixture.
Appearance:	
Form:	Fluid
<ul> <li>Important information on protection of heat</li> </ul>	lth
and environment, and on safety.	
Ignition temperature:	230 °C
Explosive properties:	Product is not explosive. However, formation of
	explosive air/vapour mixtures are possible.
Solvent content:	
· Organic solvents:	83.1 %
Water:	0.0 %
Solids content:	16.9 %
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical haza	ard
classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Highly flammable liquid and vapour.
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 · Desensitised explosives	Void
	Void

(Contd. on page 8)



Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

Trade name: GRF WDF-05 BO 500ML\*12 L193

(Contd. of page 7)

## **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: Danger of forming toxic pyrolysis products.

## **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:

## 109-99-9 tetrahydrofuran

Oral LD50 2500 mg/kg (rat)

#### 78-93-3 butanone

Oral LD50 3300 mg/kg (rat)

Dermal LD50 5000 mg/kg (rabbit)

- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Causes serious eye irritation.
- · 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 Suspected of causing cancer.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure May cause respiratory irritation. May cause drowsiness or dizziness.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- · Additional toxicological information:
- · Acute effects (acute toxicity, irritation and corrosivity) Not applicable.
- Sensitisation Not applicable.
- $\cdot$  Repeated dose toxicity Not applicable.
- · 11.2 Information on other hazards

## · Endocrine disrupting properties

78-93-3 butanone

List II

# **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.

(Contd. on page 9)



Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

(Contd. of page 8)

### Trade name: GRF WDF-05 BO 500ML\*12 L193

• **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

For information on endocrine disrupting properties see section 11.

- 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## **SECTION 13: Disposal considerations**

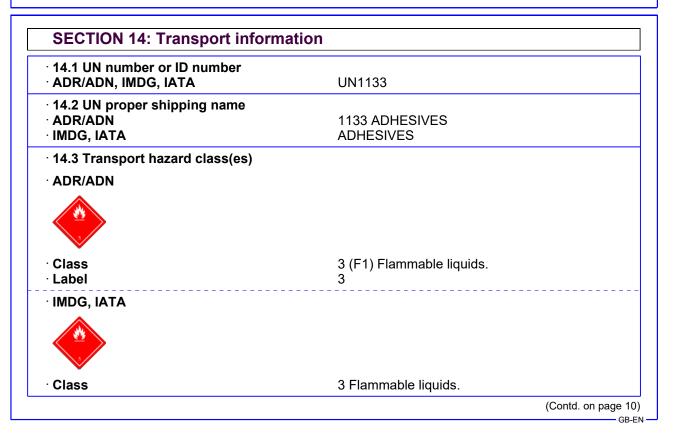
- · 13.1 Waste treatment methods
- · Recommendation

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.





Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

## Trade name: GRF WDF-05 BO 500ML\*12 L193

	(Contd. of page 9
·Label	3
· 14.4 Packing group · ADR/ADN, IMDG, IATA	III
<ul> <li>14.5 Environmental hazards:</li> <li>Marine pollutant:</li> </ul>	No
<ul> <li>14.6 Special precautions for user</li> <li>Hazard identification number (Kemler code):</li> <li>EMS Number:</li> <li>Stowage Category</li> </ul>	Warning: Flammable liquids. - F-E,S-D A
<ul> <li>14.7 Maritime transport in bulk according to IMO instruments</li> </ul>	Not applicable.
<ul> <li>Transport/Additional information:</li> <li>Quantity limitations</li> </ul>	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
<ul> <li>ADR/ADN</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> <li>Transport category</li> </ul>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 3
· Tunnel restriction code	Ē
<ul> <li>IMDG</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> </ul>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Remarks:	MI Under certain conditions substances in Class 3 (flammable liquids) can be classified in packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2
· UN "Model Regulation":	UN 1133 ADHESIVES, 3, III

## **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 P5c FLAMMABLE LIQUIDS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 5000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50000 t

(Contd. on page 11) GB-EN



Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

(Contd. of page 10)

3

3

Trade name: GRF WDF-05 BO 500ML\*12 L193

# · 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

78-93-3 butanone

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

78-93-3 butanone

• 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**

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.

EUH019 May form explosive peroxides.

EUH066 Repeated exposure may cause skin dryness or cracking.

#### Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Flammable liquids	Bridging principles
Serious eye damage/eye irritation	The classification of the mixture is generally based
Carcinogenicity	on the calculation method using substance data
Specific target organ toxicity (single exposure)	according to Regulation (EC) No 1272/2008.

#### Department issuing SDS: Bison QESH

· Contact: Reach coordinator

Date of previous version: 23.12.2021

· Version number of previous version: 28

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)

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

(Contd. on page 12)



Printing date 24.01.2022

Version number 29 (replaces version 28)

Revision: 24.01.2022

(Contd. of page 11)

Trade name: GRF WDF-05 BO 500ML\*12 L193

Flam. Liq. 2: Flammable liquids – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Carc. 2: Carcinogenicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

\* Data compared to the previous version altered.

GB-EN