Safety Data Sheet
according to WHS Regulations

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Not classified as hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

· **Other means of identification**

· **Trade name:** GRF CONSTRUCT MAX EXP CQ 380G*12 L1
· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture** Adhesive

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Bison International B.V.
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

FABER - CASTELL
15 GIBBON RD.
WINSTON HILL
NSW 2153
Toll Free: 1800 677 885
Free Fax: 1800 678 608
EMAIL: enquiries@faber-castell.com.au

· **Further information obtainable from:** PSRA
· **Emergency telephone number:**
POISONS INFORMATION CENTRE (PIC)
TEL: 13 11 26

2 Hazard(s) Identification

· **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).

· **Label elements**
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void
· **Other hazards** During curing methanol (CAS 67-56-1) is produced.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable

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3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**
· **Description:** Adhesive

· **Dangerous components:**

1067-25-0	trimethoxypropylsilane Flammable liquids – Category 3, H226; Skin corrosion/irritation – Category 2, H315	<10%
6674-22-2	1,8-diazabicyclo[5.4.0]undec-7-ene Acute toxicity - oral – Category 3, H301; Skin corrosion/irritation – Category 1B, H314; Eye damage/irritation – Category 1, H318	<1%
52829-07-9	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate Reproductive toxicity – Category 2, H361f; Eye damage/irritation – Category 1, H318	<1%

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

4 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.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

· **Suitable extinguishing agents:**
Use fire extinguishing methods suitable to surrounding conditions.
· **Special hazards arising from the substance or mixture**
No further relevant information available.
· **Protective equipment:** No special measures required.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures** Not required
· **Environmental precautions:** No special measures required.
· **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).

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· **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.

7 Handling and Storage

· **Handling:**
· **Precautions for safe handling** No special measures required.
· **Information about fire - and explosion protection:** No special measures required.
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required
· **Further information about storage conditions:** None.
· **Storage class:** 12
· **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

· **Appropriate engineering controls** No further data; see section 7.
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

1067-25-0 trimethoxypropylsilane		
Oral	Consumer, oral, shortterm exposition	4 mg/kg bw/day (rat)
	Consumer, oral, longterm exposition	4 mg/kg bw/day (rat)
Dermal	Worker, dermal, shortterm exposition	20 mg/kg bw/day (rat)
	Worker, dermal, longterm exposition	20 mg/kg bw/day (rat)
	Consumer, dermal, shortterm exposition	4 mg/kg bw/day (rat)
	Consumer, dermal, longterm exposition	4 mg/kg bw/day (rat)
Inhalative	Worker, inhalative, shortterm exposition	130 mg/m³ (rat)
	Worker, inhalative, longterm exposition	130 mg/m³ (rat)
	Consumer DNEL, acute inhalation	26400 mg/m³ (rat)
	Consumer, inhalative, longterm exposition	26 mg/m³ (rat)
		26 mg/m³ (rabbit)
6674-22-2 1,8-diazabicyclo[5.4.0]undec-7-ene		
Oral	Consumer, oral, longterm exposition	1.5 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	3 mg/kg bw/day
	Consumer, dermal, longterm exposition	1.5 mg/kg bw/day
Inhalative	Worker, inhalative, longterm exposition	10.6 mg/m³
	Consumer, inhalative, longterm exposition	2.6 mg/m³

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52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate		
Oral	Consumer, oral, longterm exposition	0.18 mg/kg bw/day
Dermal	Worker, dermal, longterm exposition	1.8 mg/kg bw/day
	Consumer, dermal, longterm exposition	0.9 mg/kg bw/day
Inhalative	Worker, inhalative, longterm exposition	1.27 mg/m³
	Consumer, inhalative, longterm exposition	0.31 mg/m³

· **PNECs**

6674-22-2 1,8-diazabicyclo[5.4.0]undec-7-ene	
Fresh water	0.24 mg/l
Fresh water sediment	1.46 mg/kg dry weight
Marine water	0.024 mg/l
Marine sediment	0.146 mg/kg dry weight
Soil	0.152 mg/kg
Sewage treatment plant	13 mg/l
Sporadic release	0.5 mg/l

52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	
Fresh water	0.018 mg/l
Fresh water sediment	29 mg/kg dry weight
Marine water	0.0018 mg/l
Marine sediment	2.9 mg/kg dry weight
Soil	5.9 mg/kg
Sewage treatment plant	1 mg/l
Sporadic release	0.007 mg/l

· **Additional information:** The lists valid during the making were used as basis.
· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
· **Respiratory protection:** Not necessary if room is well-ventilated.
· **Protection of hands:**
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 protection:** Goggles recommended during refilling

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9 Physical and Chemical Properties

· **General Information**	
· **Appearance:**	
· **Form:**	Fluid
· **Colour:**	According to product specification
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined
· **pH-value:**	Not determined
· **Change in condition**	
· **Melting point/freezing point:**	Undetermined
· **Initial boiling point and boiling range:**	2230 °C
· **Flash point:**	Not applicable
· **Flammability**	Not applicable
· **Decomposition temperature:**	Not determined
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Explosion limits:**	
· **Lower:**	Not determined
· **Upper:**	Not determined
· **Vapour pressure:**	Not determined
· **Density:**	Not determined
· **Relative density**	Not determined
· **Vapour density**	Not determined
· **Evaporation rate**	Not determined
· **Solubility in / Miscibility with**	
· **water:**	Not miscible or difficult to mix.
· **Partition coefficient: n-octanol/water:**	Not determined
· **Viscosity:**	
· **Dynamic:**	Not determined
· **Kinematic:**	Not determined
· **Solvent content:**	
· **Organic solvents:**	0.0 %
· **VOC (EC)**	0.00 %
· **Solids content:**	94.4 %
· **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.
· **Particle characteristics**	Not applicable
· **Physical state**	Liquid

10 Stability and Reactivity

· **Reactivity** No further relevant information available.
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.

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· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** Possible in traces.
· **Additional information:** During curing methanol (CAS 67-56-1) is produced.

11 Toxicological Information

· **Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
1067-25-0 trimethoxypropylsilane		
Oral	LD50	>5170 mg/kg (rat)
		mg/kg (rabbit)
Inhalative	LC50/4 h	>22.2 mg/l (rat)
52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate		
Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	>3170 mg/kg (rat)
Inhalative	LC50/4 h	7.7 mg/l (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** Based on available data, the classification criteria are not met.
· **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.
· **Interactive effects**
· **Acute effects (acute toxicity, irritation and corrosivity)** Not applicable
· **Sensitisation** Not applicable
· **Repeated dose toxicity** Not applicable

12 Ecological Information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Do not allow product to reach ground water, water course or sewage system.

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Danger to drinking water if even small quantities leak into the ground.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation**
Smaller quantities can be disposed of with household waste.
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.

14 Transport information

· **UN-Number**	
· **ADG, IMDG, IATA**	not regulated
	-
· **ADN**	not regulated
· **UN proper shipping name**	
· **ADG, ADN, IMDG, IATA**	not regulated
· **Transport hazard class(es)**	
· **ADG, ADN, IMDG, IATA**	
· **Class**	not regulated
· **Packing group**	
· **ADG, IMDG, IATA**	not regulated
· **Environmental hazards:**	Not applicable
· **Special precautions for user**	Not applicable
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable
· **Transport/Additional information:**	Not dangerous according to the above specifications.
· **UN "Model Regulation":**	not regulated

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15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**	
3445-11-2	N-(2-Hydroxyethyl)-2-pyrrolidone
1067-25-0	trimethoxypropylsilane
2768-02-7	trimethoxyvinylsilane
106214-80-6	Poly[3-(2-aminoethyl)aminopropyl]methylsiloxane, hydroxy-terminated
13822-56-5	3-(trimethoxysilyl)propylamine
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane
68441-17-8	Oxydised polyethylene wax
6674-22-2	1,8-diazabicyclo[5.4.0]undec-7-ene
52829-07-9	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
681-84-5	tetramethyl orthosilicate
67-56-1	Methanol

· **Standard for the Uniform Scheduling of Medicines and Poisons**		
67-56-1	Methanol	S5, S6, S10

· **Australia: Priority Existing Chemicals**
None of the ingredients is listed.

· **GHS label elements** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H361f Suspected of damaging fertility.

· **Department issuing SDS:** PSRA
· **Contact:** PSRA
· **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)

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IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
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
Flammable liquids – Category 3: Flammable liquids – Category 3
Acute toxicity - oral – Category 3: Acute toxicity – Category 3
Skin corrosion/irritation – Category 1B: Skin corrosion/irritation – Category 1B
Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2
Eye damage/irritation – Category 1: Serious eye damage/eye irritation – Category 1
Reproductive toxicity – Category 2: Reproductive toxicity – Category 2

· *** Data compared to the previous version altered.**

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