MATERIAL SAFETY DATA SHEET

Section 1: Identification

Product name:	Rockbond Hyper-Plasticiser (RB 6.16 & RB 6.16N)
Recommended use:	Super plasticising admixture for cement and concrete.
Company details:	Rockbond SCP Ltd
Address:	7 Te Puni Street, Petone, Lower Hutt, Wellington, New Zealand 5012
Telephone Number:	0800 76 25 26
Emergency telephone number:	0800 76 25 26 (Hours of Operation 7.30am to 5pm Monday - Friday)
Date of preparation:	January 2022

Section 2: Hazards Identification

Hazard classification:	Not a hazardous substance or mixture.
Signal word :	None
Hazard statements :	None
Precautionary statements	
Prevention :	Wear protective gloves. Avoid breathing vapour. Contaminated work clothing should not be allowed out of the workplace.
Response :	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Storage :	Not applicable.
Disposal :	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards which do not result in classification:	None known.

Section 3: Composition/information on ingredients

Substance/Mixture: Acrylic copolymer in aqueous solution. .

CAS number/other identifiers

CAS number: Not applicable.

EC number: Mixture.

Product Code: 6.16/N

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
Occupational exposure limits, if available, are listed in Section 8.

Section 4: First-aid measures

Description of necessary first-aid measures

Inhalation: Not specifically concerned (aqueous liquid).

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Section 5: Fire-fighting measures

Extinguishing media:

- Appropriate:	Water spray. Foam Powder Carbon dioxide.
Unsuitable:	None.
Specific hazards:	Aqueous liquid: does not show any particular risk in case of fire.
Specific intervention methods:	Appropriate protective equipment must be worn in case of fire.

Section 6: Accidental release measures

Individual precautions:	Appropriate gloves. Protective glasses. Appropriate protection clothes.
Precautions to protect environment:	Prevent product from spreading in the environment. Do not reject to sewer.
Cleaning methods:	
- Recovery:	Vacuum bulk liquid or absorb it with inert sorbent Keep the above product for future disposal.
- Cleaning / Decontamination:	Wash remaining material with plenty of water.
- Elimination:	Burn contaminated material in an approved plant.

Section 7: Handling and storage

Handling:

- Technical measures:	Does not require specific technical measure.
- Safety procedure:	Respect general health and safety rules.

Storage:

- Storage conditions:	Stable in normal storage conditions.
- Incompatible materials:	None according to our knowledge.
- Packaging materials:	
- recommended:	Coated steel, stainless steel.
- prohibited:	Steel. Aluminium and its alloys.

Section 8: Exposure controls/personal protection

Technical measures:

Does not necessitate specific or particular measure, provided general health and safety procedures are respected.

Individual protection equipment

- Hand and skin protection:	Appropriate clothes and gloves.
- Eye protection	Safety glasses.

Section 9: Physical and chemical properties

Aspect:	
- Physical state:	Viscous liquid .
- Colour:	Colourless to amber.
Odour:	Slight
pH :	7,5
Flash point:	> 100°C (closed cup).
Boiling point:	100 ° C (water)
Vapour pressure:	18 mm Hg at 20°C (water).
Crystallization point :	0 °C
Density :	1,108 g/cm3
Solubility:	
- in water:	Soluble.
- in solvents:	Very slight.
Volatile part by weight :	60 %
n-octanol / water partition coefficient:	Log Pow (estimated) << 3

Section 10: Stability and reactivity

Stability:	Stable if appropriately used.
Dangerous reactions:	
- Materials to avoid:	No dangerous reaction known in the normal conditions of use.
- Hazardous decomposition products:	None to our knowledge.

Section 11: Toxicological information

Acute toxicity:	DL50 (oral way, rat) > 2000 mg/kg.
Local effects:	Slightly irritant by ocular application on rabbit. Not irritant by coetaneous application on rabbit.

Section 12: Ecological information

Mobility:

Target medium of material:	Water.
Degradability:	Poorly biodegradable.
Ecotoxicity:	
- Impact on aquatic environment:	CL50 (Fish : brachydanio rerio) 96h > 100 mg/l). CE50 (Daphnia : daphnia magna) 48h > 100 mg/l.

Section 13: Disposal considerations

Product residues:

- Prohibition: Do not reject to sewer.

- Destruction / elimination: Bum in an approved plant.

Spoiled packaging:

- Decontamination / washing: Empty thoroughly packaging then clean it with water before disposal.

- Destruction / elimination: Burn in an approved plant.

Section 14: Transport information

	UN number	Proper shipping name	Classes	Packaging group	Label	Additional information
New Zealand Class	Not regulated.		-	-		-
ADG Class	Not regulated.		-	-		-
ADR/RID Class	Not regulated.		-	-		-
IATA Class	Not regulated.		-	-		-
IMDG Clas	Not regulated.		-	-		-

Section 15: Regulatory information

Labelling according to CE directives:

- Product identification: nil.
- Hazard identification and symbol: nil.
- Hazard nature: nil.
- Safety advise: nil

Not classified hazardous according to criteria of HSNO regulations NZ .

Section 16: Other information

History

Date of issue/Date of revision: 01/05/2023
Date of previous issue: January 2022
Version: 4

Key to abbreviations:
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
UN = United Nations

Notice to reader

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.