



Material Safety Data Sheet	Product Name: BM-R3
	Product Code: BM-R3
Date of Issue:	15 January 2018
1 Product Information	<i>Sections 1 to 4 may be used as an emergency safety sheet</i>
Chemical Family	Aqueous surfactants blend with organic binders.
Chemical Name	Propriety blend.
Synonyms	n/a
Haz Chem Code	None
UN Number	n/a
Company Information	
Manufacturer	Benmarc Environmental (Pty) Ltd
Telephone	+27 (0)071 672 2199 (Chris Otto) +27 (0)76 586 0719 (Annelise Cockeran)
Address	Unit 3, The Gables Office Estate, Tennis Road, Weltevreden Park, 1709, Gauteng, South Africa.
2 Composition	
	A propriety blend of non-ionic surfactants, anionic surfactants and organic binders.
Hazardous Components	None
EEC Classification	None
R Phrases	R 43 and R36
3 Hazardous Identification	
Main Hazard	Not hazardous
Flammability	Not flammable
Chemical Hazard	n/a
Biological Hazard	None
Reproduction Hazard	None
Health – Eyes	May cause irritation
Health – Skin	May cause irritation
Health – Ingestion	May cause stomach upset
Health - Inhalation	May cause irritation to the respiratory system
Carcinogenic	Not carcinogenic
Mutagenicity	Not mutagenic
Neurotoxicity	Not neurotoxic
4 First Aid Measures	
Product in Eye	Flush with copious amounts of water. Get medical attention if necessary
Product on Skin	Wash with water
Product Ingested	Drink 2 glasses of milk or water. Do not induce vomiting. Get medical attention if necessary
Product Inhaled	None necessary under normal operation measures
5 Fire Fighting Measures	
Extinguishing Media	Dry powder, carbon dioxide, foam
Special Hazards	None

Protective Clothing	Full protective clothing for large fires
6 Accidental Release Measures	
Personal Precautions	Wear rubber gloves, impervious clothing and safety shoes.
Environmental Precautions	Do not allow to enter waterways
Small Spills	Absorb liquid with absorbent material, e.g. dry sand
Large Spills	Stop spill at source. Contain spilled product. Mop up with absorbent material and dispose of in accordance with local municipal regulations.
7 Handling and Storage	
Suitable Material	H D P E containers
Handling / Storage Precautions	Avoid storing in a hot environment above 40° C
8 Exposure controls / Personal Protection	
Occupational Exposure Limits	Not measured
Engineering Control Measures	Ensure adequate ventilation
Personal Protection – Respiratory	None necessary
Personal Protection – Hands	Impervious PVC or rubber gloves
Personal Protection – Eyes	Safety goggles
Personal Protection –Skin	Normal occupational work wear
Other Protection	None necessary
9 Physical & Chemical Properties	
Appearance	Opaque light brown liquid
Odour	Characteristic sweet sugary smell
pH	6.5 to 8.0 @ 25° C
Boiling Point	100° C
Melting Point	Not measured
Flash point	>100° C
Flammability	Product is not flammable
Auto flammability	Product is not flammable
Explosive Properties	Product is not explosive
Oxidizing Properties	Product is not oxidising
Vapour Pressure	Not measured
Density	1.005 to 1.025
Solubility - Water	Soluble
Solubility – Solvent	Soluble in lower alcohols and glycols
Solubility – Co-efficient	Not measured
10 Stability & Reactivity	
Conditions to Avoid	High temperatures above 40° C
Incompatible Material	Oxidising acids and reducing agents, strong acids and strong alkalis
Hazardous decomposition products	Oxides of carbon
11 Toxicological Information	
Acute Toxicity	Product is not toxic
Eye Contact	May cause irritation
Skin Contact	Prolonged contact may cause irritation
Chronic Toxicity	Not known
Carcinogenicity	Not carcinogenic
Mutagenicity	Not mutagenic

Reproductive Hazards	None known
Neurotoxicity	Not neurotoxic

12 Ecological Information	
Aquatic Toxicity - Fish	Toxic to fish, causes increase in BOD
Aquatic Toxicity – Daphnia	Toxic to Daphnia, causes increase in BOD
Aquatic Toxicity - Algae	Toxic to algae, causes increase in NOD
Biodegradability	Product will biodegrade 60% in 28 days
Bio-accumulation	Does not bio-accumulate
Mobility	Product is mobile while wet.
German wdk.	n/a
13 Disposable Methods	
	Dispose of in accordance with local regulations
14 Transport Information	
UN No.	n/a
Substance Identity No.	n/a
ADR/RID Class	n/a
ADR/RID Item No.	n/a
ADR/RID Hazard ID No.	n/a
IMDG – Shipping Name	n/a
INDG Class	n/a
IMDG – Packaging Group	n/a
IMDG – Marine Pollutant	n/a
IMDG – EMS No.	n/a
IMDG – MFAG Table No.	n/a
IATA Shipping Name	n/a
IATA – Class	n/a
IATA Subsidiary Risks	n/a
ADNR – Class	n/a
UK Description	n/a
UK – Emergency Action Class	n/a
UK – Classification	n/a
Tremcard No.	n/a
15 Regulatory Information	
EEC Hazard Classification	n/a
Risk Phases	R43 and R36
Safety Phases	S24/25 and S37
National Legislation	n/a
16 Other Information	The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properness of the product.