

DATE OF ISSUE 24TH DECEMBER 2007

**BARMAC INDUSTRIES PTY LTD
BOX FLAT ESTATE SWANBANK RD. SWANBANK Q 4306**

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DRY RADDLE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as hazardous by Worksafe Australia Criteria

1.0 IDENTIFICATION:

1.1 PRODUCT NAME :	DRY RADDLE
1.2 CORRECT SHIPPING NAME :	(A) BALL CLAY FX. AI2SI205(OH)4 (B) ENGLISH WHITING 05 (C) AVAILABLE IN VARIOUS COLOURS (REFER SECTION 4.)
1.3 OTHER NAMES :	NONE
1.4 MANUFACTURER'S PRODUCT CODE :	DRY RADDLE
1.5 C.A.S. REGISTRY No. :	(A) 1332-58-7 (B) 471-34-1
1.6 UN NUMBER :	NONE ALLOCATED
1.7 DANGEROUS GOODS CLASS :	NONE ALLOCATED
1.7.1 SUBSIDIARY RISK :	NONE ALLOCATED
1.8 HAZCHEM CODE :	NONE ALLOCATED
1.9 PACKING GROUP :	NOT APPLICABLE
1.10 POISONS SCHEDULE NUMBER :	NOT APPLICABLE
1.11 USE :	RECOMMENDED AS AN CHALK COLOURANT FOR THE MARKING ON WOOL BALES, LIVESTOCK.

2.0 PHYSICAL DESCRIPTION/PROPERTIES

2.1 APPEARANCE :	CYCLINDER TUBES IN VARIETY OF COLOURS
2.2 ODOUR :	ODOURLESS
2.3 BOILING POINT (OC) :	NOT APPLIABLE
2.4 MELTING POINT (O C) :	NOT APPLICABLE
2.5 VAPOUR PRESSURE :	NOT APPLICABLE
2.6 SPECIFIC GRAVITY :	IN RELATION TO SUBSTANCE (A) 2.65 (B) 2.7
2.7 FLASHPOINT (OC) :	NOT APPLICABLE
2.8 FLAMMABILITY LIMITS :	NOT APPLICABLE
2.9 SOLUBILITY IN WATER :	INSOLUBLE

3.0 OTHER PROPERTIES:

3.1 EXPLOSION LIMITE:	IN RELATION TO SUBSTANCE (C) DUST EXPLOSION /LOWER 50g/m3 ,UPPER NOT DEFINED.
3.2 IGNITION TEPERATURE:	NOT APPLICABLE
3.3 SPONTANEOUS IGNITION:	NOT APPLICABLE
3.4 PH (50 gr/l H2O) (20 OC):	NOT AVAILABLE

DATE OF ISSUE 24TH DECEMBER 2007

BARMAC INDUSTRIES PTY LTD
BOX FLAT ESTATE SWANBANK RD. SWANBANK Q 4306

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DRY RADDLE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as hazardous by Worksafe Australia Criteria

4.0 INGREDIENTS

CHEMICAL NAME:

(A) BALL CLAY . Al₂Si₂O₅(OH)₄
(B) CALCIUM CARBONATE

CAS NUMBER:

1332-58-7
471-34-1

(C) VARIOUS COLOURANTS ADDED
FERRIFERROCYANIDE SODIUM SALT

25869-00-5

LITHOPONE 30%

1345-05-7

LITHOPONE 60%

1345-05-7

SYNTHETIC IRON OXIDE

1309-37-1

SYNTHETIC IRON OXIDE

20344-49-4

DIAZTIZED 2-NITRO-P-TOLUDINE COUPLED
WITH ACETOACETANILIDE.

2512-29-0

TOLUDINE RED

2425-85-6

5.0 HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE

5.1 SWALLOWED :

SUBSTANCE (A) & (B) ARE CONSIDERED NON - TOXIC IF SWALLOWED,

5.2 EYE :

SUBSTANCE (A) & (B) WILL CAUSE MODERATE IRRITATION TO EYES.

5.3 SKIN :

SUBSTANCE (A) & (B) ITEMS ARE NON- IRRITANT TO SKIN.

5.4 INHALED :

SUBSTANCE (A) & (B). MAY CAUSE MODERATE IRRITATION TO UPPER RESPIRATORY SYSTEM. NO INFORMATION AVAILABLE RELATING TO SUBSTANCE (C)

DATE OF ISSUE 24TH DECEMBER 2007

**BARMAC INDUSTRIES PTY LTD
BOX FLAT ESTATE SWANBANK RD. SWANBANK Q 4306**

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DRY RADDLE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as hazardous by Worksafe Australia Criteria

CHRONIC

DUE TO EXPOSURE OF SUBSTANCE (A) & (B) THE PRINCIPAL ROUTE OF EXPOSURE IS USUALLY BY INHALATION OF DUST. CHRONIC DUST INHALATION HAS BEEN ASSOCIATED WITH LUNG DISEASE (SOURCE NIOSHTIC). SYMPTOMS ARE THOSE OF NODULAR FIBROSIS AND RESPIRATORY IMPAIRMENT, IS CHARACTERISED BY ABSTRUCTION AND RESTRICTION OF LUNG FUNCTION (SOURCE: OCCUPATIONAL DISEASES). REFER SECTION 8 FOR TOXICITY REPORTS ON ANIMALS.

FIRST AID

5.5 SWALLOWED :

DUE TO THE PRESENCE OF SUBSTANCE (A) , (B) & (C) , GIVE PLENTY OF WATER (MILK) TO DRINK SLOWLY , *DO NOT* INDUCE VOMITING AND SEEK MEDICAL ATTENTION.

5.6 EYE :

DUE TO PRESENCE OF SUBSTANCE (A) , (B) IRRIGATE WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION PROMPTLY.

5.7 SKIN :

DUE TO PRESENCE OF SUBSTANCE (A) , (B) WASH AFFECTED SKIN AND CLOTHES WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION CONTINUES.

5.8 INHALED :

DUE TO PRESENCE OF SUBSTANCE (A) , (B) REMOVE TO FRESH AIR, REST PATIENT ENCOURAGING THEM TO BLOW THROUGH NOSE TO ENSURE CLEARING BREATHING PASSAGES. GIVE ARTIFICIAL RESPIRATION IF BREATHING STOPS, SEEK MEDICAL ATTENTION IF NEEDED.

5.9 FIRST AID FACILITIES :

INDUSTRIAL FIRST AID KIT TO BE AVAILABLE AND SHOULD COMPLY TO NATIONAL AND LOCAL REGULATIONS .

5.10 ADVICE TO DOCTOR

TREAT SYMPTOMS SYSTEMATICALLY.

DATE OF ISSUE 24TH DECEMBER 2007

BARMAC INDUSTRIES PTY LTD
BOX FLAT ESTATE SWANBANK RD. SWANBANK Q 4306

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DRY RADDLE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as hazardous by Worksafe Australia Criteria

6.0 PRECAUTIONS FOR USE

6.1 EXPOSURE STANDARDS: RELATING TO SUBSTANCE (A): TLV TWA: 10mg.m3 PARTICULATES NOT OTHERWISE CLASSIFIED, TOTAL DUST CONTAINING (ACG14198/90) NO ASBESTOS AND <1% CRYSTALLINE SILICA.

RELATING TO SUBSTANCE (B) : NO EXPOSURE STANDARD ALLOCATED

RELATING TO SUBSTANCE (C) : THE FOLLOWING STANDARDS ARE LISTED FOR YOUR REFERENCE :

MAK (TWA-GERM): 6mg/m3 (FINE DUST)

OES (GB) 3.5 mg/m3 (TOTAL DUST)

TLV (USA) 3.5 mg/m3 (TOTAL DUST)

6.2 ENGINEERING STANDARDS : ENSURE VENTILATION IS ADEQUATE TO MAINTAIN AIR CONCENTRATIONS BELOW EXPOSURE STANDARDS.

6.3 PERSONAL PROTECTION : ANTIDUST MASK, GOGGLES WITH SIDES AND GLOVES ARE RECOMMENDED WHEN HANDLING THIS PRODUCT, AVOID INHALATION AND PROVIDE ADEQUATE VENTILATION.

6.4 FLAMMABILITY : SUBSTANCE (A) & (B) ARE NON- FLAMMABLE UNDER CONDITIONS OF USE. HOWEVER SUBSTANCE (C) CANNOT EASILY BE CAUSED TO EXPLODE AND THEREFORE THERE IS NO DANGER IN PRACTICAL USE. IN SPECIAL TEST PROCEDURES A CARBON BLACK/AIR MIXTURE CAN EXPLODE.

DATE OF ISSUE 24TH DECEMBER 2007

**BARMAC INDUSTRIES PTY LTD
BOX FLAT ESTATE SWANBANK RD. SWANBANK Q 4306**

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DRY RADDLE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as hazardous by Worksafe Australia Criteria

7.0 SAFE HANDLING INFORMATION

7.1 STORAGE AND TRANSPORT :

STORAGE IN DRY WELL VENTILATED AREA , IS CONSIDERED ADEQUATE. THE PRODUCT IS NON-TOXIC SO IT DOES NOT NEED ANY SPECIAL NOTICES FOR TRANSPORT HANDLING.

7.2 SPILLS AND DISPOSAL :

IN CASE OF PRODUCT SPILLAGE, REMOVE WITHOUT RAISING DUST BY USING ANTI DUST AGENT. ENSURE THAT DISPOSAL OF PRODUCT IS IN COMPLIANCE WITH NATIONAL AND LOCAL REGULATIONS.

7.3 FIRE/EXPLOSION HAZARD :

EXTINGUISHING MATERIAL THAT CAN BE USED IN CASE OF A FIRE IS WATER. IN CASE OF FIRE THE FOLLOWING HAZARDOUS SMOKE FUMES MAY BE PRODUCED: CARBON MONOXIDE , CARBON DIOXIDE, SULPHOXIDES.

7.4 UN NUMBER:

NONE ALLOCATED.

8.0 OTHER INFORMATION :

8.1 TOXICOLOGICAL INFORMATION:

NOT AVAILABLE

8.2 ECOLOGICAL INFORMATION:

NOT AVAILABLE

PAGE 6 OF 7

DATE OF ISSUE 24TH DECEMBER 2007

**BARMAC INDUSTRIES PTY LTD
BOX FLAT ESTATE SWANBANK RD. SWANBANK Q 4306**

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DRY RADDLE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as hazardous by Worksafe Australia Criteria

9.0 CONTACT POINT :

BARMAC INDUSTRIES PTY LTD PH (07) 3280 3000

PAGE 7 OF 7

DATE OF ISSUE 24TH DECEMBER 2007

**BARMAC INDUSTRIES PTY LTD
BOX FLAT ESTATE SWANBANK RD. SWANBANK Q 4306**

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DRY RADDLE

PHONE: (07) 3280 3000

EMERGENCY AFTER HOURS NUMBER: (07) 3280 3000

Not Classified as hazardous by Worksafe Australia Criteria

NOTICE: Information for this product is believed to be reliable, however buyer and user assume all risk of use, handling and storage whether in accordance with directions or not. Barmac Industries Pty Ltd and its agents give no guarantee or warranty of any kind express or implied concerning the use of this product and will not accept any responsibility whatsoever whether in contract or tort for any loss including consequential loss arising out of the use of this product or caused by this product.
