

MATERIAL SAFETY DATA SHEET

BUTON GRANULAR ROCK BITUMEN (BGRB)

1. PRODUCT AND COMPANY IDENTIFICATION

Product / Trade Name : Buton Granular Rock Bitumen (BGRB)
Supplier : PT. Summitama Intinusa
Jl. Pahlawan No. 57
Surabaya
Indonesia

Emergency Contact – Office Hours : 62 – 31 – 5468806 – 5468808

Emergency Contact out of Hours : 62 – 31 – 60126999

2. INFORMATION ON INGREDIENTS

<u>Component</u>	<u>Composition</u>	
1. Dry Bitumen Powder	: 25 – 30 %	CAS No: 8052-42-4
2. Lime Stone Powder	: 70 – 75 %	CAS No: 1317-65-3

3. HAZARD IDENTIFICATION

The Chemical Composition is not to danger, smelling slightly like carbon, not flammable materials below Temperature 180⁰C, but dusty may cause irritation to the eyes, sticky to breathing, but safe to the skin. However the Composition of this powder materials packed in to the double sack is Polypropylene and Polyethylene and may be broken and dusty.

4.**FIRST AID MEASURES**

- Inhalation : Inhalation Can only occur if the sacks is fractured completely to allow Spillage The Casually Should be removed to fresh air, if not breathing, apply artificial respiration – seek Medical attention.
- Skin Contact : wash with soap and water
- Eye Contact : Flush with water for is minute while holding eyelids open seek medical attention
- Ingestion : If the dust has been confined to the mouth give large quantities of water as mouthwash. Ensure mouthwash is not swallowed. If the dust has been swallowed give one or two glasses of water to drink to dilute dust in stomach seek medical attention.

5.**FIRE FIGHTING MEASURES**

- Fire Fighting Measures : Wear full Protective clothing and self contained breathing apparatus. Use extinguishing media appropriate to the surrounding fire conditions
- Special Hazards : The packing materials is flammable, spray by water or sand

6.**ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Wear eye protection gloves and overalls
- Environmental Precautions : Do not allow the product to enter watercourses or surface water drains
- Methods of Cleaning : Sweep up spilled product and transfer to a closable salvage container for disposal by appropriate methods

7.**HANDLING AND STORAGE**

Please avoid used hook for handling and do not to flying down, it my cause broken and dusty.
Keep stored in the dry place, normal temperature, avoid from sunshine and water

8.**EXPOSURE CONTROLS**

Eye Protection : if dust result after spillage due to accidental fracture of sack
use mask and wear goggle or glass protection.

Breathing protection : if dust results after spillage due to accidental fracture of sack,
mask, wear normal

9.**PHISICAL AND CHEMICAL PROPERTIES**

Appearance : Black powder

Asphaltene : 11,7 % of total bitumen

CaCO₃ : 54,8 % of total mineral

SIO₂ : 12,8 % or total mineral

Residu + Solvent : 13,8 % of total bitumen

Color : Black

Vapor pressure : Not available

Vapor density : Not available

Flash point : 180 °C

Solubility : 25% in the Base Oil

Specific gravity : 2,000 gr/cc

Viscosity : Not available

10.**STABILITY**

Stability : Product is stable under normal condition of storage

Incompatibility : Avoid contact with sun shine, water and oil

Hazardous Decomposition

Products : None under normal condition of storage

11.

TOXICOLOGICAL INFORMATION

DATA : **Substance tested is**

Acute oral effects : LD₅₀ 2150 mg/kg (male rats)
LD₅₀ 900 mg/kg (female rats)

Acute dermal effects : LD₅₀ mg/kg (male rats)
LD₅₀ mg/kg (female rats)

Acute inhalation effects : LC₅₀ > 3875 mg/m³ (4 hr exposure)

Eye effects : Non irritating (rabbits)
Not a skin sensitizer (guinea pigs, Buehler method)

Chronic/Carcinogenic effects : (2 – year feeding)
Not carcinogenic (rats and mice)
NOEL : 125 ppm (rats), 600 ppm (mice)

Mutagenicity : Ames test, in vitro chromosomal aberration test in mammalian cell, Unscheduled. DNA synthesis in mammalian cell :
negative

Teratogenicity : Not teratogenic
NOEL : 100 mg/kg/day (rat)

12.

ECOLOGICAL INFORMATION

DATA : **Substance tested is**

Eco – toxicity

Fish acute toxicity (carp) LC₅₀ (96 hr) 0,134 mg/L

Daphnia toxicity (water flea) EC₅₀ (48 hr) 0,021 mg/L

13**DISPOSAL CONSIDERATIONS**

Disposal of wastes and used containers must be in accordance with applicable federal, state and local regulations. Do not contaminate surface water or sanitary sewer system.

14**TRANSPORT INFORMATION (not mean to be all) inclusive**

Hazard class	Not classified
UN Number	Not applicable

15**REGULATORY INFORMATION (not mean to be all inclusive)**

This product is followed by the competent regulations in an applicable country or region

16**OTHER INFORMATION**

This information only concern the above mentioned product and does nor need to be valid if used with other(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but with out warranty, if remains the user's own responsibility to make sure that the information is appropriate and sufficiently complete for their particular use of this product (this is the last page of this MSDS)

TO : SAMWOH CORPORATION PTE, LIMITED

255 SUNGAI KADUT ST

SINGAPORE 729333

PHONE : 6365388

FAX : 63647288

ATTN: MR . LIM HO YOCK

HP. 97885060

FROM : TISNA

PT. SUMMITAMA INTINUSA

JL. PAHLAWAN 57

SURABAYA - INDONESIA

PHONE : 031 - 7483207

FAX : 031 - 7482195