

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **MASTERPREN® 2004M**

Company: BASF South East Asia Pte Ltd
Address: 33 Tuas Avenue 11
Singapore 639090

Telephone number: +65 6861 6766
Facsimile: +65 6861 3186

Emergency telephone numbers: +65 6861 6766

2. HAZARDS IDENTIFICATION

Safety hazards: Not identified.
Health hazards: Do not ingest.
Environmental hazards: See section 12.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: A sheet of bitumen/thermoplastic based adhesive with aggregate topping.

Hazardous Ingredients: n.as.
CAS No: n.as.
Hazard symbols: n.as.
R-phrases: n.as.
% Concentration: n.as.

4. FIRST AID MEASURES

Immediate treatment

Eye contact: Flush with plenty of water for at least 15 minutes Seek immediate medical advice.

Skin contact: In case the material in molten state comes in contact with the skin, flush with cold water for a sustained period.

Inhalation: In case of prolonged inhalation of vapours during scorching, especially in confined spaces, the victim should be removed from workplace to a place of fresh air.

Ingestion: Seek immediate medical advice.

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5. FIRE FIGHTING MEASURES

Special hazards: None.
Protective equipment: Suitable oxygen breathing. Use UP type filter mask.
Extinguishing agents: Use carbon dioxide, dry chemical or universal type foams. Do not use water jets.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No precautions required.
Environmental precautions: No precaution required, but avoid release into the environment by adopting sound working practices.

7. HANDLING AND STORAGE

Handling: n.a.
Requirements for storage rooms: Store between +0°C and +40°C and away from heat sources and electric plant. Keep the rolls in the upright position.
Materials not to be stored together: Not identified.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection: n.a.
Eye protection: Safety goggles and face mask.
Hand protection: Wear gloves; prolonged contact might cause light irritation.
Body protection: Wear appropriate protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid, sheets of rolls
Colour: Black
Odour: Mildly bituminous
Freezing temperature: n.a.
Boiling point: + 450°C approx. (bitumen)
Melting point: >+100°C approx.
Flash point: >230°C approx. (bitumen)
Self ignition: +485°C approx. (bitumen)
Flammability (solids,gas): No (combustible: Yes, calorific value 9000 kcal/kg approx.)
Vapour pressure: n.a.
Vapour density: n.a.
Relative density: 1 - 1.5kg/dm³

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Solubility: Lipid solubility (organic solvents)
pH value: n.a.
Partition coefficient: n.a.
Viscosity: n.a.

10. STABILITY AND REACTIVITY

Stability: Stable under ambient conditions.
Hazardous reactions
(conditions to avoid): Not identified.
Materials to avoid: Not identified.
Hazardous decomposition products: Not identified.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (lethal dose)

LD50 oral Albino rat

Dose: n.d.
Additional information: n.d.
Information applies to: Masterpren 2004M

LC50 inhalation Albino rat

Dose: n.d.
Additional information: n.d.
Information applies to: Masterpren 2004M

Acute toxicity (irritation, sensitization etc.)

Eye irritation Albino rabbit

Result: n.d.
Symptoms: n.d.
Method: n.a.

Skin irritation Albino rabbit

Results: n.d.
Symptoms: n.d.
Method: n.a.

Delayed or chronic toxicological effects

Additional information: n.d.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

LC50 dose: n.d.

Additional information

Ecotoxicity: n.d.

Biochemical oxygen demand

COD: n.d.

BOD: n.d.

Other: n.a.

13. DISPOSAL CONSIDERATIONS

Dispose in approved method for industrial waste in accordance with local legislation requirements.

14. TRANSPORT INFORMATION

This product is not classed as dangerous goods in any transport regulation.

Road transport ADR / RID

Class: n.as.

Number/letter: n.as.

Warning sign: n.as.

Hazard No: n.as.

UN No: n.as.

Maritime / Air transport IMDG

UN No: n.as.

PG: n.as.

Class: n.as.

IMDG code page: n.as.

15. REGULATORY INFORMATION

Classification: Non-hazardous.

Hazard labels: None required.

R-phrases: n.as.

S-phrases: n.as.



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National regulatory information:

Other regulations, restrictions and prohibitions:

n.a.

16. OTHER INFORMATION

Reason for Issue: Review and update.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.