

**SECTION 1 – IDENTIFICATION OF SUBSTANCE AND COMPANY****1.1 Product Identifier:**

Product Name	Barium Sulphate (Barytes)
Trade Names	<b>Microblanc STD</b>
Product Type	Inert powder. (off-white in colour)

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:**

Relevant Identified Uses	Used as an ideal weighting agent in paints, plastics and rubber as well as for its radiation shielding properties.
Uses Advised Against	Not known

**1.3 Classification of Substance or Mixture:**

Supplier's Name	Micronized Products (Pty) Ltd
Contact Address	69 Barney Road Benrose, Johannesburg
E-Mail	sales@micronized.com
Office Telephone	+27 11 486 1919

**1.4 Emergency Telephone Number:**

Company Representative	+27 83 321 0416 (Weekdays from 07:30 to 15:30)
Emergency After Hours	+27 10111 (General emergency number)

**SECTION 2 – HAZARDS IDENTIFICATION****2.1 Classification of Substance or Mixture:**

Product Definition	Substance
Classification	Not classified as hazardous → Directive (EC) No. 1272/2008 (CLP)

**2.2 Label Elements:**

Pictogram	None → Directive (EC) No. 1272/2008 (CLP)
Signal Word	None → Directive (EC) No. 1272/2008 (CLP)
Hazard Statements	None → Directive (EC) No. 1272/2008 (CLP)

**2.3 Other Hazards:**

None known

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

**3.1 Substances:**

Composition	Identifiers	Directive (EC) No. 1272/2008 (CLP)	% (w/w)
Magnesium Silicate	CAS: 7727-43-7 ECODE: 32.20 SAPMA: 2-H-B	Not classified as hazardous.	100

**3.2 Mixtures:** Not applicable

### SECTION 4 – FIRST AID MEASURES

**4.1 Description of First Aid Measures:**

Eye Contact	Rinse with plenty of water, and seek medical attention if discomfort persists
Inhalation	Move to fresh air until dust subsides
Skin Contact	Always wash with clean water after being in contact
Ingestion	Seek medical advice in case of discomfort

### SECTION 5 – FIREFIGHTING MEASURES

Not applicable, non-combustible material  
Use an extinguishing agent suitable for the surrounding fire

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

Inert substance, sweep up, contain and collect

### SECTION 7 – HANDLING AND STORAGE

Inert substance, no special handling and storage requirements

### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control Parameters:**

**Occupational Exposure Limits** TWA: 2mg/m<sup>3</sup> (as the respirable fraction) averaged over an 8-hour work shift

**8.2 Exposure Controls:**

<b>Appropriate Eng. Controls</b>	Substance is inert, not-toxic and non-allergenic. Ensure well ventilated area to control worker exposure to airborne contaminants
<b>PPE Advised</b>	Dust mask and eye protection.
<b>Other</b>	Task appropriate hand protection and protective clothing must always be used Wash before eating, drinking or smoking

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on Basic Physical and Chemical Properties:**

<b>Appearance</b>	White Powder
<b>Odour</b>	Odourless

Solubility Not soluble in water

Melting Point 1000 – 1200°C

9.2 Other Information: None

## SECTION 10 – PHYSICAL AND CHEMICAL PROPERTIES

10.1 Reactivity: Inert, non-volatile and with an indefinite shelf life

10.2 Chemical Stability: Resistant to mild acids, alkalis and organic solvents

10.3 Hazardous Reactions: Not applicable (None)

10.4 Conditions to Avoid: Not applicable (None)

10.5 Incompatible Materials: Not applicable (None)

10.6 Hazardous Decomposition None known

## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

Acute Toxicity Non-toxic

Acute Toxicity Estimates Not applicable

Mutagenicity None established

Carcinogenicity None established

## SECTION 12 – ECOLOGICAL INFORMATION

Not considered dangerous to the environment

## SECTION 13 – DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods:

Product Non-hazardous

Packaging Waste packaging should be recycled where feasible

## SECTION 14 – TRANSPORT INFORMATION

14.1 UN Number: Not regulated

14.2 UN Proper Shipping Name: Not applicable

14.3 Transport Hazard Class: Not applicable

14.4 Packing Group: Not applicable

14.5 Environmental Hazards: None

SECTION 15 – REGULATORY INFORMATION
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**15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture:**

South Africa	None
EC Index Number	Not applicable

**15.2 Chemical Safety:** Chemical safety assessment is not required for the substance

SECTION 16 – OTHER INFORMATION
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**16.1 Revision Details:**

Current Revision No.	2020/1
Current Revision Date	28/04/2020
Prepared By	Bernard Potgieter
Previous Revision Date	01-09-2010

**16.2 Disclaimer:**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied, and to recommend precautionary measures for the storage and handling of the products. No warrantee or guarantee is given in measures described in this data sheet or for any misuse of the products