

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

Product Name	Silica
Trade Names	Microsil 2 Microsil 5 Microsil 15
Product Type	Inert white powder

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

Relevant Identified Uses	Used in all kinds of coatings, ceramics and other industrial applications (requiring fillers, extenders and carriers)
Uses Advised Against	Not known

1.3 Classification of Substance or Mixture:

Supplier's Name	Micronized Products (Pty) Ltd
Contact Address	214 Barry Hertzog Avenue Greenside, 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	Crystalline Quartz
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: No other hazardous substance present**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

3.1 Substances:

Composition	Identifiers	Directive (EC) No. 1272/2008 (CLP)	% (w/w)
Silica (Crystalline Quartz)	CAS: 14808-60-7 ECODE: 31.00 SAPMA: 2-H-D	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	Excessive dust exposure may lead to lung damage 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. No direct hazard expected

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: 50 µg/m³ (as the respirable fraction) averaged over an 8-hour work shift

8.2 Exposure Controls:

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

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance	White Powder
Odour	Odourless

Solubility	Not soluble in water
Sintering Temperature	1000 °C
Melting Point	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
10.4 Conditions to Avoid:	Not applicable
10.5 Incompatible Materials:	Not applicable
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**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**16.1 Revision Details:**

Current Revision No.	2017/1
Current Revision Date	19-05-2017
Prepared By	Ken le Roux
Previous Revision Date	01-01-2012

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