

**RAW MATERIAL AND PRODUCT SPECIFICATION: SPE.PROD.0003**

<b>Section 1 – GENERAL</b>	
<b>Product Name:</b>	Molten Sulphur
<b>Description:</b>	Sulphur in the form of a yellow, molten mass received at a temperature between 135°C and 154°C.
<b>Properties:</b>	Melting point :112,8°C Flash point (close cup) :207,2°C Auto-ignition temperature : 232,2°C
<b>Toxicity:</b>	Hydrogen Sulphide (H <sub>2</sub> S) may be present in trace quantities (by weight) in molten sulphur but may accumulate to toxic for flammable concentrations in enclosed spaces such as sulphur storage pits tanks or tankers.
<b>Hazards:</b>	This material is very hot, because of impurities hydrogen sulphide may be formed which increases the risk of explosion and fire.
<b>Special Precautions:</b>	Protective clothing, face mask and goggles must be worn when handling the material.
<b>Statutory Aspects:</b>	Transported as Dangerous Goods: UN 2448 Material Safety Data sheet

<b>Section 2 – SPECIFICATION</b>	
<b>Appearance:</b>	The material will be a yellow, molten mass, free from foreign matter. The sample received by the laboratory is in the form of large lumps
<b>Sulphur:</b>	Not less than 99, 5 % (m/m) as S
<b>Carbon:</b>	Not more than 0, 15 % (m/m) as C
<b>Arsenic:</b>	Not more than 2 p.p.m. (m/m) as As
<b>Mineral Residue (Ash):</b>	Not more than 0, 10 % (m/m)
<b>Moisture:</b>	Not more than 0, 20 % (m/m)

**RAW MATERIAL AND PRODUCT SPECIFICATION: SPE.PROD.0003****Section 3 – SUPPLIER**

Refineries and Chemical Initiatives (Pty) Ltd, Umbogintwini

**Section 4 – TESTING**

The material is sampled and tested according to the most recent editions of the Sampling Procedures and Analytical Schedule respectively. The sample is tested to the most recent edition of the method specified.

<u>PARAMETER</u>	<u>METHOD NO.</u>
2.1 Appearance	
2.2 Sulphur	UMBOG 059
2.3 Carbon	"
2.4 Arsenic	"
2.5 Mineral Residue (Ash)	"
2.6 Moisture	"

This material is used and tested at: Umbogintwini Factory

**Section 5 – USES**

In the manufacture of industrial and agricultural crop protection products.

**Section 6 – DOCUMENTATION**

This specification is based on: Information from Umbogintwini Factory.

**Section 7 – REASON FOR REVISION**

May 2013 – New template