

## PRODUCT SPECIFICATIONS

<b>Product Name:</b>	<b>Rectified ENA 93.4% I3 Denatured</b>
<b>Approved &amp; authorized by:</b>	

### SECTION A:

Tests	Specifications	Units
Description	Clear, colourless, volatile liquid.	N/A
Odour	Typical.	N/A
Solubility	Miscible with water, ether and chloroform.	N/A
Density @20°C	NMT 0.8056	g/ml
Aldehydes	NMT 4	ppm
Esters	NMT 30	ppm
Methanol	NMT 30	ppm
Higher Alcohols	NMT 5	ppm
Denatonium Benzoate	NMT 10	ppm
Tertiary Butyl Alcohol	NMT10	ppm
Isopropyl Alcohol	NLT 3	%v/v
Assay	NLT 93.4	%v/v

NMT: not more than	NLT: not less than	ND: not detected	N/A: not applicable
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### SECTION B:

<b>Characteristics:</b>	Biological	N/A
	Physical	Clear, colourless liquid, free from foreign particles
	Chemical	Flammable liquid
<b>Composition of formulated ingredients including additives and processing aids:</b>	Aldehydes, Ethanol, Methanol, Esters and Higher Alcohols, Denatonium Benzoate, Tertiary Butyl Alcohol	
<b>Origin:</b>	Agricultural by-product	
<b>Method of production:</b>	Fermentation	
<b>Packaging material and method:</b>	1l,5l,25l – HDPE containers	
<b>Storage conditions:</b>	Store in a well -ventilated place. Keep away from oxidants and strong acids. Store away from sources of heat or ignition. Storage tanks should have electrical bonding.	
<b>Shelf life:</b>	12 Months from date of manufacture	
<b>Product specification:</b>	Refer to Section A – product specifications	
<b>Intended use:</b>	Industrial, Pharmaceuticals, Cosmetics.	
<b>Statutory and Regulatory Requirements:</b>	<ul style="list-style-type: none"> <li>-Foodstuffs, Cosmetics and Disinfectant Act 54 of 1972 (as amended)</li> <li>-South African National Standard 10229, 10231,1518</li> <li>-Hazardous Substances Act 15 of 1973</li> <li>-Occupational Health and Safety Act 85 of 1993 (Hazardous Substances Regulations)</li> <li>-United Nations -Globally Harmonised System of Classification and Labelling of Chemicals (GHS)</li> <li>-Applicable legislation that may apply in the country receiving the final product</li> </ul>	
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