

# PRODUCERS OF NON-FERROUS METALS COMMODITIES IN SOUTH AFRICA, 2012

DIRECTORATE: MINERAL ECONOMICS



**mineral resources**

Department:  
Mineral Resources  
**REPUBLIC OF SOUTH AFRICA**

# **PRODUCERS OF NON-FERROUS METALS COMMODITIES IN SOUTH AFRICA, 2012**

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## **DISCLAIMER**

Whereas the greatest care has been taken in the compilation of the contents of this publication, the Department of Mineral Resources does not hold itself responsible for any errors or omissions.

## **FOREWORD**

The dynamic nature of the industry pertaining to non-ferrous metals produced in South Africa necessitated this, the eighteenth edition of the directory, which was first published in 1986. Listed information includes contact details of primary producers, secondary producers, semi manufacturers, chemical producers as well as marketing agents of the various non-ferrous metal commodities. Also included are the e-mail and website addresses of those companies that are connected. The assistance of industry in the compilation of this directory is acknowledged. It is hoped that the directory will prove useful to producers, marketers and consumers of South Africa's non-ferrous metal commodities and assist in the promotion of this country's industry and trade. Any comments or information that could lead to an improvement of this directory is welcome.

MARCH 2012

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## ABBREVIATIONS

approx	-	approximately
km	-	kilometre
kt	-	kiloton
kt/a	-	kiloton per annum
LME	-	London Metal Exchange
max	-	maximum
mic	-	metal in concentrate
min	-	minimum
mm	-	millimetre
na	-	not applicable
optim	-	optimum
ppm	-	parts per million
t	-	metric ton

PRODUCERS OF ALUMINIUM				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>PRIMARY PRODUCER</b>				
<i>Group</i>				
<b>1. BILLITON ALUMINIUM SOUTH AFRICA LTD</b> PO Box 897 RICHARDS BAY 3399  Tel: +27 35 908 8111 Fax: +27 35 908 8160 Website: <a href="http://www.bhpbilliton.com">http://www.bhpbilliton.com</a>				
<i>Processing</i>				
	<b>1.1 Hillside Aluminium</b>  P O Box 897 Richards Bay 3990  Tel:+27 35 908 8111  Fax: +27 35 908 8813  E-mail: <a href="mailto:hillside@bhpbilliton.com">hillside@bhpbilliton.com</a>	Primary smelter	Melting ingot	<b>BHP Billiton marketing Asia (Pty) Ltd</b>
	<b>1.2 Bayside Aluminium</b>  P O Box 284 Richards Bay 3990  Tel: +27 35 999 2111  Fax: +27 35 999 2710  E-mail: <a href="mailto:info@bayside.co.za">info@bayside.co.za</a>	Primary smelter operation	Rolling ingot Extrusion ingot Melting ingot	<b>BHP Billiton Marketing AG</b>  10 Marina Boulevard, #50-01 Marina Bay Financial Centre, Tower 2 SINGAPORE, 018983  Tel: (65) 6421 6000  Fax: (65)6421 6000



PRODUCERS OF ALUMINIUM				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>PRIMARY PRODUCER</b>				
<b>SECONDARY PRODUCERS &amp; SEMI MANUFACTURERS</b>				
	<b>2. Hulamin Ltd</b>  P O Box 74 Pietermaritzburg 3200  Tel: +27 33 395 6911  Fax:+27 33 394 6335  Website:http://www@hulamin.co.za	Secondary smelter	Extrusions  Rolled products Can Stock	<b>Hulamin Ltd</b>
<i>Group</i>				
<b>3. ZIMCO GROUP (PTY) LTD</b> PO Box 519 GERMISTON 1400  Tel: +27 11 827 5413 Fax: +27 11 824 8465 / 2232 E-mail: peterc@frys.co.za				
	<b>3.1 Zimco Aluminium Company (PTY) Ltd</b>  PO Box 5044 Benoni South 1502  Tel: +27 11 914 4300  Fax: +27 11 914 4784  E-mail: bobs@zimalco.co.za  Website: http://www.zimalco.co.za	Secondary smelter	Aluminium Foundry Alloy ingot Aluminium Powder Aluminium master alloys Deoxidant	<b>Zimco Aluminium Company (Pty)</b>
	<b>3.2. Wispeco (Pty) Ltd</b>  PO Box 124167 Alrode 1451  Tel: +27 11 389 0000  Fax:+27 11 908 0301  E-mail: millsales@wispeco.co.za  Website: http://www.wispeco.com	Extruding, extrusions anodising and powder coating	Extrusions, anodising and powder	<b>Wispeco (Pty) Ltd</b>

PRODUCERS OF ANTIMONY				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>Group</b>				
<b>1. VILLAGE MAIN LTD</b> P O BOX 1539 HOUGHTON 2041  Tel: +27 11 787 3015 Fax: +27 11 880 3322 Email: info@villagemainreef.co.za Website: http://www.villagemainreef.co.za				
<b>Mine</b>				
10112	<b>1.1 Cons Murch Mine</b>  Private Bag x401 Phalaborwa 0895  Tel: +27 15 318 8000  Fax: +27 15 318 8004  E-mail: cons@mweb.co.za  <u><b>Farm, District, Province</b></u> Claimland 780 LT, Josephine 777 LT, Various farms, Letaba, Limpopo	Underground mine, modified sublevel open stoping	Antimony sulphide concentrates. Approximately 59% Sb	<b>Village Main</b>

PRODUCERS OF ANTIMONY				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>2. ZIMCO GROUP (PTY) LTD</b> PO Box 519 GERMISTON 1400  Tel: +27 11 827 5413 Fax: +27 11 824 4865 / 2235  E-mail: peterc@frys.co.za				
	<b>2.1 Zimco Group (Pty) Ltd, T/A Associated Additives</b>  PO Box 12043 Jacobs 4026  Tel: +27 31 468 1755  Fax: +27 31 468 1561  Website: <a href="http://www.almstab.co.za">http://www.almstab.co.za</a>	Refinery crude raw material obtained from virgin antimony. Used in the battery industry.	Lead antimony alloys used in the battery industry. Refined antimony trioxide: Timonox O-grade, typically 97% Sb. Timonox Red Star grade, typically 99,5% Sb	<b>Associated Additives</b>

PRODUCERS OF ANTIMONY				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>3. RMC MINERALS cc</b> PO Box 1655 WANDSBECK 3631  Tel: +27 31 266 4395 Fax: +27 31 266 7336 E-mail: minerals@icon.co.za				
	<b>3.1 RMC Minerals cc,</b>  47 Oppenheimer Road Pinetown  Tel: +27 31 266 4395  Fax: +27 31 266 336  E-mail: minerals@icon.co.za	Processing and screening of oversize antimony according to clients' specifications	Bag and palletize antimony material for delivery	<b>RMC Minerals</b>

PRODUCERS OF COBALT				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>1. IMPALA PLATINUM HOLDINGS LTD</b> Private Bag x18 NORTHLANDS 2116  Tel: +27 11 731 9000 Fax: +27 11 731 9254 Website: <a href="http://www.implats.co.za">http://www.implats.co.za</a>				
<i>Mine</i>				
2434	<b>1.1 Impala Platinum Limited</b>  P.O. BOX 5683 Rustenburg 0300  Tel: +27 14 569 0000 Fax: +27 14 569 6548	Notes: All underground mines send ore to Impala Platinum Mineral Processes for concentration and smelting	Ore concentrates	<b>Platinum Ltd</b>
<i>Processing</i>				
	<b>1.2 Impala Platinum Mineral Processes</b>  P.O. Box 1050 Rustenburg 0300  Tel: +27 14 569 0000 Fax: +27 14 569 6580	Concentration and smelting	A matte containing copper, nickel.	
	<b>1.3 Impala Platinum Refineries</b> PO Box 222 Springs 1560  Tel: +27 11 360 3111 Fax: +27 11 360 3682	Refinery	Cobalt metal powder	<b>Impala Platinum Holdings</b>

**PRODUCERS OF COBALT**

<b>MINE CODE</b>	<b>PRODUCER</b>	<b>TYPE OF OPERATION</b>	<b>PRODUCT</b>	<b>MARKETING</b>
<i>Group</i>				
<p><b>2. ANGLO AMERICAN PLATINUM CORPORATION (ANGLO PLATINUM)</b>            PO Box 62179            MARSHALLTOWN            2187</p> <p>Tel: +27 11 373 6111            Fax: +27 11 373 5111 / 834 2379</p>				
<i>Mine</i>				
28	<p><b>2.1 Bokoni Platinum</b></p> <p>P O Box 1            Atok            0749</p> <p>Tel: +27 15 620 0000/6/7</p> <p>Fax: +27 15 620 0297</p> <p><b><u>Farm, District, Province</u></b>            Middelpunt 420 KS,            Zeekoegat 421 KS,            Diamand 422 KS,            Sekhukhuneland            Limpopo</p>	Underground mine	Concentrates, Toll refined by RPM which acts as its principal marketing agent of cobalt sulphate	<b>Rustenburg Platinum Ltd</b>
<i>Mine</i>				
1526	<p><b>2.2 Mogalakwena Platinum Mine</b></p> <p>Private Bag X2463            Mokopane            0600</p> <p>Tel: +27 15 418 2246</p> <p>Fax: +27 15 418 3103</p> <p><b><u>Farm, District, Province</u></b>            Overysel 815 LR, Sandsloot KR, Zwartfontein 818 LR, Schilpadnest 385 KQ            Mokerong            Limpopo            Limpopo</p> <p>www.angloamerican.com</p>	Opencast/underground mine	Concentrates to Rustenburg Platinum for toll smelting	<b>Rustenburg Platinum Ltd</b>

PRODUCERS OF COBALT				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>Controlling Sub-Group</b>				
<b>Processing</b>				
	<b>2.3 Rustenburg Metal Refiners</b>  PO Box 483 Rustenburg 0300  Tel: +27 14 591 4000 Fax: +27 14 591 1102 www.angloamerican.com	Refinery	Cobalt sulphate heptahydrate (Co 21- 22 %)	<b>Rustenburg Base Platinum Mines Ltd</b>  Tel: +27 11 373 6111
<b>Group</b>				
<b>3. AFRICAN RAINBOW MINERALS LIMITED</b> PO Box 782058 SANTON 2146  Tel: +27 11 779 1000 Fax: +27 11 779 1029 Website: <a href="http://www.arm.co.za">http://www.arm.co.za</a>				
<b>Mine</b>				
3139	<b>3.1 Nkomatl Mine</b>  PO Box 562 Machadorp 1170  Tel: +27 13 712 8200  Fax: +27 13 712 8300  <u><b>Farm, District, Province</b></u> Waterval-Boven Mpumalanga	Underground mine	Cobalt-in-concentrate	<b>African Rainbow Minerals</b>
1255	<b>3.2 Modikwa Platinum Mine</b>  Private Bag x9120 Drieskop 1129  Tel: +27 13 230 2000  Fax: +27 13 230 2036  <u><b>Farm, District, Province</b></u> Drieskop 253KT, Hendriksplaats 281 KT, Maandagshoek 254KT, Onverwach 292 KT, Winterveld 293KT Lydenburg Mpumalanga	Underground mine	Cobalt-in-concentrate	<b>African Rainbow Minerals</b>

PRODUCERS OF COPPER				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>Group</b>				
<b>1. ANGLO OPERATIONS LIMITED</b> PO Box 61587 MARSHALLTOWN 2107  Tel: +27 11 638 9111 Fax: +27 11 638 3558 Website: <a href="http://www.angloamerican.co.uk">http://www.angloamerican.co.uk</a>				
<b>Mine</b>				
10195	<b>1.1 Black Mountain (A division of Anglo Operations Limited)</b>  Private Bag X01 Aggeneys 8893  Tel: +27 54 983 9214  Fax: +27 54 983 9244  <a href="http://www.blackmountain.co.za">www.blackmountain.co.za</a>  <u><b>Farm, District, Province</b></u> Aggeneys 56, Koeris 54 PTI, Zuurwater 62 PTN4  Kenhardt Northern Cape	Underground mine; blast hole and cut-and-fill	Concentrates approx 28% Cu	<b>Anglo Operations Limited</b>
<b>Mine and Processing</b>				
489	<b>2. Palabora Mining,</b>  PO Box 65 Phalaborwa 1390  Tel: +27 15 780 2911  Fax: +27 15 780 2055  Email: <a href="mailto:enquiries@palabora.co.za">enquiries@palabora.co.za</a>  Website: <a href="http://www.palabora.co.za">http://www.palabora.co.za</a>  <u><b>Farm, District, Province</b></u> Loole 31 LU, Wegsteek 30LU Phalaborwa Limpopo	Underground mine. Rod casting plant, smelter and electrolytic copper	Cathode of 99,7% conforms to ASTM and BBS standard of electrolytic copper	<b>Palabora Mining</b>



PRODUCERS OF COPPER				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>Group</b>				
<b>3. IMPALA PLATINUM HOLDINGS LTD</b> Private Bag X18 NORTHLANDS 2116  Tel: +27 11 731 9000 Fax: +27 11 731 9254 Website: <a href="http://www.implats.co.za">http://www.implats.co.za</a>				
<b>Mine</b>				
10291	<b>3.1 Impala Platinum Limited</b>  P O BOX 5683 0300  Tel: +27 14 569 0000  Fax: +27 14 569 6548  <u><b>Farm, District, Province</b></u> Dooornspruit 106JQ, Vaalkop 275JQ, Wildebeesfontein 274JQ Bafokeng North west	Underground	Note: Mines send ore to Impala Platinum Mine Processes for concentration and smelting.	
	<b>3.2 Impala Platinum Mineral Processing</b>  P O BOX 1050 Rustenburg 0300  Tel: +27 14 569 0000  Fax: +27 14 569 7056	The ores of Impala Platinum Limited are concentrated and smelted	A matte containing copper, nickel, cobalt and platinum-group metals is produced for delivery to Impala Platinum Refineries	<b>Impala Platinum Holdings Ltd</b>
	<b>3.3 Impala Platinum Refineries</b>  PO Box 222 Springs 1560  Tel: +27 11 360 3111  Fax: +27 11 360 3680	Refinery, converter matte received from Impala Platinum Ltd.   Mineral Processes located near Rustenburg	Electrowon cathode Cu 99,8%   Nickel, iron, tellurium, lead each not more than 0,01%	<b>Impala Platinum Holdings Ltd</b>

PRODUCERS OF COPPER				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<p><b>4. LONMIN PLC</b>            PO Box 98811            SLOANE PARK            2152</p> <p>Tel: +27 11 218 8300            Fax: +27 11 218 8310</p> <p>Website: <a href="http://www.lonmin.com">http://www.lonmin.com</a>            E-mail: <a href="mailto:contact@lonmin.com">contact@lonmin.com</a></p>				
10716	<p><b>4.1 Western Platinum Ltd</b></p> <p>Private Bag X1140            Mooinooi            0325</p> <p>Tel: +27 14 571 3300            Fax: +27 14 572 8489</p> <p><b><u>Farm, District, Province</u></b>            Middelkraal 466            JQ, Rustenburg, North-West</p>	Underground mine; a form of up-dip stoping; concentrator; smelter and base metal refinery. Merensky and UG2 and precious metals refinery	Electrowon cathode copper, Nickel sulphate	<p><b>Western Metal Sales,</b></p> <p>4 Grovenor Place, SWIX 7 YL London.</p> <p>Tel: +442(0)07 201 6000            Fax: 09 44207 201 6154</p>
12163	<p><b>4.1.1 Karee Mine (A division of Marikana Not a separate mine)</b></p> <p>Private Bag X 505            Marikana            0284</p> <p>Tel: +27 14 572 3204            Fax: +27 14 572 3155</p> <p>E-mail:  <a href="mailto:karee@lonplats.com">karee@lonplats.com</a></p> <p><b><u>Farm, District, Province</u></b>            Rooikoppies 297 JQ,            Elandsfontein 368, Kafferskraal, 342 JQ,            Zwaarkoppies 296 296 JQ,            Rustenburg, North-West Province</p>	Underground mine reefs: Merensky & UG2	Copper as a by-product	<p><b>Western Metal Sales,</b></p> <p>4 Grovenor Place SWIX 7 YL London</p> <p>Tel: 09 44207 201 6000            Fax: 09 44207 201 6154</p>

PRODUCERS OF COPPER				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
12655	<b>4.1.2 Eastern Platinum Ltd</b> Private Bag X700 Moonooi 0325  Tel: +27 14 318 3500  Fax: 012 318 3697  <u><b>Farm, District, Province</b></u> Mogalies, Rustenburg,  North-West	Underground mine.	Platinum group metals, gold, silver and base metals; nickel, sulphate and copper.	<b>Western Metal Sales</b>  4 Grovenor Place SWIX 7 YL London  Tel: 09 44207 201 6000  Fax: 09 44207 201 6154
<b>Group</b>				
<b>5. NORTHAM PLATINUM LIMITED</b> 1 <sup>st</sup> Floor 1A Albury Park Magalieszicht Avenue Dunkeld West JOHANNESBURG 2126  P O Box 412694 CRAIGHALL 2024  Tel: +27 11 759 6000 Fax: +27 11 325 4795				
<b>Mine</b>				
1853	<b>5.1 Northam Platinum Ltd</b>  PO Box 441 Thabazimbi 0380  Tel: +27 14 784 3200  Fax: +27 14 785 0141  <u><b>Farm, District, Province</b></u> Amandellbult 383KQ, Elandsfontein 386KQ, Zondereinde 348 KQ, Thabazimbi, Limpopo	Deep level underground mining. Hydropower technology.	Ag; Au; Ir; Os; Pd; Pt; Rh; Ru. Nickel sulphate. Copper cathode	<b>Northam Platinum Ltd</b>

PRODUCERS OF COPPER				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>6. AFRICAN RAINBOW MINERALS LIMITED (ARM)</b> PO Box 786136 SANDTON 2146				
<i>Mine</i>				
3139	<b>6.1 Nkomati Mine</b>  PO Box 562 Machadodorp 1170  Tel: +27 13 712 8200  Fax: +27 13 712 8300  <u><b>Farm, District, Province</b></u> Nkomati, Slaaihoek 540 Jt, Waterval-Boven, Mpumalanga	Underground mine.	Copper in concentrate	<b>African Rainbow Minerals Ltd</b>
1255	<b>6.2 Modikwa Platinum Mine</b>  Private Bag x9120 Drieskop 1129  Tel: +27 13 230 2000  Fax: +27 13 418 3280  <u><b>Farm, District, Province</b></u> Drieskop 253KT, Hendriksplaats 281 KT, Maandagshoek 254KT, Onverwach 292 KT, Winterveld 293KT, Sekhukhuneland, Limpopo	Underground mine.	Copper in concentrate	<b>Anglo Platinum Ltd</b>

PRODUCERS OF COPPER				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>SECONDARY PRODUCERS AND SEMI MANUFACTURERS</b>				
	<p><b>7.1 Copalcor Rolled Metals</b></p> <p>Private Bag X030 Wadeville 1422</p> <p>Tel: +27 11 821 0700</p> <p>Fax: +27 11 827 8750</p> <p>Website: <a href="http://www.copalcor.co.za">http://www.copalcor.co.za</a> Email: <a href="mailto:crm@copalcor.co.za">crm@copalcor.co.za</a></p>	Smelting, casting and semi-manufacturing of copper alloys, based largely on scrap.	Rolled products of copper and brass	<b>Copalcor Rolled Metals</b>
	<p><b>7.2 Non Ferrous Metal Works (SA) (Pty) Ltd</b></p> <p>PO Box 25 Durban 4000</p> <p>Tel: +27 13 480 7388</p> <p>Fax: +27 13 468 6934</p> <p>E-mail: <a href="mailto:nonferrous@eastcoast.co.za">nonferrous@eastcoast.co.za</a></p> <p>Websites:  <a href="http://www.nfm.co.za">http://www.nfm.co.za</a> <a href="http://www.nfmworks.com">http://www.nfmworks.com</a></p>	Smelting, casting and semi-manufacturing of copper alloys, based largely on scrap	Extrusions of copper and brass; ingots of copper and copper alloys; solid and hollow continuous casting of bronze and gunmetal; centrifugal castings of bronze	<b>Non Ferrous Metal Works (SA) (Pty) Ltd</b>

PRODUCERS OF COPPER				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>Group</b>				
<b>8. ZIMCO GROUP (PTY) LTD</b> PO Box 519 GERMISTON 1400  Tel: +27 11 827 5413 Fax: +27 11 824 4865 / 2235				
	<b>8.1 Zinchem (Pty) Ltd</b>  PO Box 6645 Dunswart 1508  Tel: +27 11 746 5000  Fax: +27 11 746 5050  E-mail: sales@zinchem.co.za  Websites: http://www.zinchem.co.za	Plant operation. Chemical processes	Copper Sulphate Penta and Monhydrate	<b>Zinchem- a division of Zimco of (Pty) Ltd</b>
<b>Group</b>				
<b>9. ANGLO AMERICAN PLATINUM CORPORATION LTD (ANGLO PLATINUM)</b> PO Box 62179 MARSHALLTOWN 2107  Tel: +27 11 638 9111 Fax: +27 11 373 5111/ 834 2379 Website: http://www.angloplatinum.com				
<b>Mine</b>				
14606	<b>9.1 Khuseleka Mine</b>  PO Box 1 Bleskop 0292  Tel: +27 14 598 4704 Fax: +27 14 591 4447  <u><b>Farm, District, Province</b></u> Boschfontein 268 JQ 0; Rustenburg 272 JQ Town & Townlands 0	Underground	Copper by-product	<b>Anglo Platinum Mines Ltd</b>  PO Box 62179 Marshalltown 2107  Tel: +27 11 373 6111

PRODUCERS OF COPPER				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>Mine</b>				
14604	<p><b>9.2 Bathopele Mine</b></p> <p>PO Box 1 Bleskop 0292</p> <p>Tel: +27 14 598 4704</p> <p>Fax: +27 14 598 3165</p> <p><b><u>Farm, District, Province</u></b></p> <p>Waterval 307 JG 0 Rustenburg North-West Limpopo</p>	Underground	Copper by-product	<p><b>Anglo Platinum Mines Ltd</b></p> <p>PO Box 62179, Marshalltown 2107</p> <p>Tel: +27 11 373 6111</p>
14610	<p><b>9.3 Rustenburg Central Services</b></p> <p>PO Box 1 Bleskop 0300</p> <p>Tel: +27 14 598 1277</p> <p>Fax: +27 14 591 4447</p> <p><b><u>Farm, District, Province</u></b></p> <p>Central Services 0; Klipfontein 300 JQ 0 Rustenburg North-West</p>	Works	Copper by-product	
11526	<p><b>9.4 Khomanani Platinum Mine</b></p> <p>PO Box 1 Bleskop 0292</p> <p>Tel: +27 14 598 1896</p> <p>Fax: +27 15 591 4447</p> <p><b><u>Farm, District, Province</u></b></p> <p>Frank 1 &amp; 2 Shafts 0 Rustenburg North-West</p>	Underground mine	Copper by-product	<b>Rustenburg Platinum Ltd</b>

PRODUCERS OF LEAD				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>1. ANGLO OPERATIONS LIMITED</b> P O Box 61587 MARSHALLTOWN 2107  Tel: +27 11 638-9111 Fax: +2711 638-3558 Website: <a href="http://www.angloamerican.co.uk">http://www.angloamerican.co.uk</a>				
<i>Mine</i>				
195	<b>1.1 Black Mountain ( A division of Anglo Operations Limited)</b>  Private Bag X01 Aggeneys 8893  Tel: +27 54 983 9200  Fax: +27 54 983 9244  <u><b>Farm, District,Province</b></u>  Aggeneys 56, Koeris 54 PTI, Zuurwater 62 PTN4, Kenhardt, Northern Cape	Underground mine; blast hole and cut-and-fill stope	Concentrates Approx 51% Zn	<b>Anglo Operations Limited</b>
<b>SECONDARY PRODUCERS</b>				
<i>Processing</i>				
<b>2. ZIMCO GROUP</b> P O Box 519 GERMISTON 1400  Tel: +27 11 827 5413 Fax: +27 11 824 2232/4865 Website: <a href="http://www.zimco.co.za">http://www.zimco.co.za</a>				
<i>Processing</i>				
	<b>2.1 Fry's Metals (Pty) Ltd</b>  PO Box 519 Germiston 1400  Tel: +27 11 827 5413  Fax: +27 11 824 2232/4865  E-mail: <a href="mailto:janh@frys.co.za">janh@frys.co.za</a>	Smelting and refining of secondary lead	Ingot:Sb alloys Ca alloys Refined soft lead	<b>Fry's Metals (Pty) Ltd</b>



<b>PRODUCERS OF LEAD</b>				
<b>MINE CODE</b>	<b>PRODUCER</b>	<b>TYPE OF OPERATION</b>	<b>PRODUCT</b>	<b>MARKETING</b>
<i>Processing</i>				
	<b>3.1 First National Battery Co. (Propriety) LTD</b>	Manufacturing: Production and sale of lead acid batteries	Primary SIC: Primary Batteries Dry And Wet, Primary+ NAICS: Dry and Wet Primary Battery t	<b>First National Battery Co. (Proprietary) Ltd.</b>
<i>Processing</i>				
	<b>4.1 Dixon Batteries</b>  PO Box 81 Vereeniging 1930  Tel: +27 11 608 4895/6/7  Fax: +27 11 608 4235	Manufacturing: Production and sale of lead acid batteries	Primary SIC: Primary Batteries Dry And Wet, Primary NAICS: Dry and Wet Primary Battery	<b>Dixon Batteries</b>
<i>Processing</i>				
	<b>5.1 Lead Processing (Pty) Ltd</b>  PO Box 10218 Dalview 1544  Tel: +27 11 813 1929  Fax: +27 11 813 1826	Processing of lead	Lead alloy ingots	<b>Lead Processing</b>
<b>SEMI-MANUFACTURERS</b>				
<i>Processing</i>				
	<b>6.1 Castle Lead Works (Transvaal) (Pty) Ltd</b>  PO Box 3472 Kenmare 1745  Tel: +27 11 955 3570  Fax: +27 11 955 2372  <a href="http://www.castlelead.co.za">http://www.castlelead.co.za</a>	Factory for lead semi-manufactured products, lead installation and maintenance	Extrusions, stampings, castings, fabricated products, lead sheets and pipes, lead alloys, lead anodes, lead plumbum.	<b>Castle Lead Works (Transvaal) (Pty) Ltd</b>

PRODUCERS OF LEAD				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>SOLDER PRODUCERS</b>				
<i>Processing</i>				
	<b>7.1 Afrisol (Pty) Ltd</b>  PO Box 18084, Sunward Park 1470  Tel: +27 11 873 9000  Fax: +27 11 825 4528  Email: solder@nationalsolder.com	Manufacturers of solders, white metal, jewellery metals, fluxes, solder paint, solder powder, lead products and lead came	Ingots, bars, sticks, blowpipe, wires and solder paint	<b>National Solder Co (TVL) (Pty) Ltd</b>
<i>Processing</i>				
	<b>8.1. National Solder Co (TVL) (Pty) (Ltd)</b> <b>3</b> PO Box 1258 Germiston 1400  Tel: +27 11 873 9000  Fax: +27 11 825 4528  Email: solder@nationalsolder.com  Website <a href="http://www.nationalsolder.com">http://www.nationalsolder.com</a>	Manufacturers of solders, white metal, jewellery metals, fluxes, solder paint, solder powder, lead products and lead	Resin and acid, cored wire, solid wire, blowpipe, stick bar ingot, extrusions, white metal-spray wire	<b>National Solder Co (TVL) (Pty) Ltd</b>
<i>Processing</i>				
	<b>9.1 Techmet (Pty) Ltd</b>  402 Murray Road, 1422  Tel: +27 11 824 1427  Fax: +27 11 824 3150  E-mail: info@mweb.co.za	Manufacture of solder, bar, wire sticks metals, powder, paste and special alloys, also electronic fluxes and paste.	ingots, wire, bar, sticks, pastes, paints	<b>Techmet (Pty) Ltd</b>

PRODUCERS OF LEAD				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>PRINCIPAL CHEMICAL PRODUCERS</b>				
<i>Group</i>				
<b>10. ZIMCO GROUP</b> P O Box 519 GERMISTON 1400  Tel: +27 11 827 5413 Fax: +27 11 824 2232/4865 Website: <a href="http://www.zimco.co.za">http://www.zimco.co.za</a> E-mail: <a href="mailto:peterc@frys.co.za">peterc@frys.co.za</a>				
<i>Processing</i>				
	<b>10.1 Zimco Group (Pty) Ltd T/A Associate Additives</b>  P O Box 1203 Jacobs 4026  Tel: +27 31 4681755  Fax: +27 31 468 1561  Website: <a href="http://www.almstab.co.za">http://www.almstab.co.za</a>  E-mail: <a href="mailto:ingrid@almstab.co.za">ingrid@almstab.co.za</a>	Production of lead chemicals from primary lead	Lead oxide and associated chemicals	<b>Associate Additives</b>
<i>Processing</i>				
	<b>10.2 Rolfes Colour Pigment International</b>  P O Box 8112 Elandsfontein 1406  Tel: +27 11 874 0634  Fax: +27 11 874 0789  Website: <a href="http://www.rcpi.co.za">http://www.rcpi.co.za</a>	Chemical processing based on primary lead and sodium dichromate raw material as well as organic pigment intermediates	Lead chrome pigments and organic pigments	<b>Rolfes Colour Pigment International</b>

PRODUCERS OF MAGNESIUM				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>ALLOY PRODUCERS</b>				
<i>Group</i>				
<b>1. NIMAG LTD</b> PO Box 1401 KELVIN 2054  Tel:+27 11 803 8247 Fax: +27 11 803 8323 E-mail: nimag@global.co.za				
<i>Processing</i>				
	<b>1.1 Nimag Ltd</b>  PO Box 2 Magaliesburg 1791  Tel: +27 14 577 1330  Fax: +27 14 577 1337  E-mail: nimag@global.co.za	Melting,alloying casting and semi manufacturing facilities	Manufacturer of masteralloys, fenimag nickel, magnesium and associate products	<b>Nimag Ltd</b>
	<b>1.2 Magberg Manufacturing (Pty) Ltd</b>  P O Box 2 Magaliesburg 1791  Tel: +27 14 577 1330  Fax: +27 14 577 1337  E-mail: nimag@global.co.za	Melting,alloying casting and semi manufacturing facilities	Ferrosilicon, magnesium alloys for ductile iron	<b>Magberg Manufacturing (Pty) Ltd</b>

**FIBRE PRODUCERS**

***Group***

**2. METALLOY FIBRE (PTY) LTD**

PO Box 1401

KELVIN

2054

Tel:+27 11 803 8247

Fax: +27 11 803 8323

E-mail: nimag@global.co.za

***Plant***

**2.1 Metalloy Fibre (Pty) Ltd**

PO Box 1401  
Kelvin  
2054

Tel:+27 11 803 8247

Fax: +27 11 803 8323

E-mail: nimag@global.co.za

E-mail:  
info@nimaggroup.co.za

Manufacturers of all steel  
and stainless steel

Reinforcing  
fibre for  
civils,shortc  
rete and  
refactories

**Metalloy  
Fibre  
(Pty) Ltd**

PRODUCERS OF NICKEL				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>PRIMARY PRODUCER</b>				
<i>Group</i>				
<b>1. IMPALA PLATINUM HOLDINGS</b> NORTHLANDS 2116  Tel: +27 11 731 9000 Fax: +27 11 731 9240 Website: <a href="http://www.implats.co.za">http://www.implats.co.za</a>				
<i>Mine</i>				
2434	<b>1.1 Impala Platinum Ltd</b>  P. O. Box 5683 Rustenburg 0300  Tel: +27 14 569 0000  Fax: +27 14 569 6548	Underground	A matte containing copper, nickel, cobalt, PGM metals is produced for delivery to Impala Platinum Refineries	<b>Impala Platinum Holdings Ltd</b>
<i>Processing</i>				
	<b>1.2 Impala Platinum Mineral Processes</b>  P O Box 1050 Rustenburg 0300  Tel: +27 14 569 0000  Fax: +27 14 569 7056/3	Milling, flotation and smelting	A matte containing copper, nickel,	<b>Impala Platinum Holdings Ltd</b>
	<b>1.3 Impala Platinum Refineries</b>  P. O. Box 222 Springs 1560  Tel: +27 11 360 3680	Refinery of converter matte.	A matte containing copper, nickel,	<b>Impala Platinum Holdings Ltd</b>

PRODUCERS OF NICKEL				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>PRIMARY PRODUCER</b>				
<i>Group</i>				
<b>2. PALABORA MINING COMPANY LTD</b> P O Box 65 PHALABORWA 1390  Tel: +27 15 780 2911 Fax: +27 15 780 2018 Website: <a href="http://www.palabora.co.za">http://www.palabora.co.za</a>				
<i>Mine</i>				
489	<b>2.1 Palabora Mining Company Ltd</b>  P O Box 65 Phalaborwa 1390  Tel: +27 15 780 2911  Fax: +27 15 780 2018  Website: <a href="http://www.palabora.co.za">http://www.palabora.co.za</a>  <u><b>Farm, District, Province</b></u> Loole 31 LU, Wegsteek Phalaborwa Limpopo	Underground	Nickel sulphate hexahydrate	<b>Palabora Mining Company Ltd</b>
<i>Group</i>				
<b>3. ANGLO PLATINUM</b> PO Box 62179 MARSHALLTOWN 2107  Tel: +27 11 373 6111 Fax: +27 11 373 5111 Website: <a href="http://www.angloplat.com">http://www.angloplat.com</a>				
<i>Mine</i>				
28	<b>3.1 Bokoni Platinum Mines</b>  PO Box 1 Atok 0749  Fax: +27 35 902 7834  Tel: +27 35 902 7000	Underground mine	Concentrates, Toll refined by RPM which acts as its principal marketing agent of cobalt sulphate	<b>Rustenburg Platinum Ltd</b>

PRODUCERS OF NICKEL				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>PRIMARY PRODUCER</b>				
<i>Mine</i>				
555	<b>3.2 Rustenburg Platinum Mine Ltd</b>  PO Box 8208 Rustenburg 0300  Tel: +27 14 598 9111  Fax: +27 14 567 1383	Underground mine	PGM concentrate, toll refined by RPM which also acts as its principal marketing agency of cobalt sulphate	<b>Rustenburg Platinum Ltd</b>
1526	<b>3.3 Potgietersrust Platinum Ltd</b>  Private Bag X2463 Mokopane 0600  Tel: +27 15 418 2000  Fax: +27 15 418 2018	Opencast/underground mine	Concentrates to Rustenburg Platinum for toll smelting	<b>Rustenburg Platinum Ltd</b>
<i>Processing</i>				
	<b>3.4 Rustenburg Base Metal Refiners (Pty) Ltd</b>  P O BOX 483 Rustenburg 0300  Tel: +27 591 4000  Fax: +27 14 591 1102	Refinery, matte from the conversion at Rustenburg (of Union and Rustenburg arc furnace matte)	Electro cathode, squares 100mmx100mm, 25mmx25mm, Strips 100mmx900mm	<b>Rustenburg Platinum Mines Ltd</b>  Tel: +27 11 373 6111



PRODUCERS OF NICKEL				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>PRIMARY PRODUCER</b>				
<i>Group</i>				
<b>4. LONMIN PLC</b> PO Box 98811 SLOANE PARK 2152  Tel: +27 11 516 1300 Fax: +27 11 516 1310 Website: <a href="http://www.lonmin.com">http://www.lonmin.com</a>				
<i>Mines</i>				
4115	<b>4.1 Marikana Mining Division</b> ,(Western Platinum),  Private Bag x 508 Marikana 0284  Tel: +27 571 2000  Fax: +27 572 3151  <u><b>Farm, District, Province</b></u> Middelkraal 466 JQ Marikana North-Western	Underground	Electron cathode copper Nickel Sulphate	<b>Western Metal Sales,</b> <b>4 Grovenor Place,SWIX 7 YL London.</b>  <b>Tel: 09 440207 201 6000</b>  <b>Fax: 09 44207201 6154</b>
2158	<b>4.2 Eastern Platinum Ltd</b>  Private Bag X700 Mooinooi 2158  Tel: +27 12 318 3500 Fax: +27 12 318 3624  <u><b>Farm, District, Province</b></u> Turffontein Brits North-West	Underground	Platinum-group metals, gold, silver, and base metals. Nickel sulphate and copper	
2783	<b>4.3 Lonmin Platinum Limpopo</b>  Postnet suite Private Bag X9676 Polokwane 0007  Tel: +27 15 633 8237  Fax: +27 86 635 0628  <u><b>Farm, District, Province</b></u> Kaffirkrall 167s, Kalkbult 169ks, Turfpan 122ks, Voorspoed Zebedelias Location, Thabamooopo, Limpopo	Underground	Nickel in concentrate	<b>Western Metal Sales,</b> <b>4 Grovenor Place</b> <b>SWIX 7 YL London</b>

PRODUCERS OF NICKEL				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>1414</b>				
<b>PRIMARY PRODUCER</b>				
<i>Group</i>				
<b>5. NORTHAM PLATINUM LIMITED</b>				
1st Floor 1A Albury Park Magalieszicht Avenue Dunkeld West JOHANNESBURG 2126  Tel:+27 11 759 6000 Fax: +27 11 325 4795				
<i>Mine</i>				
1835	<b>5.1 Impala Platinum Ltd</b>  PO Box 441 Thabazimbi 0380  Tel: +27 14 784 3000  Fax: +27 14 785 0126  <u><b>Farm, District, Province</b></u> Zondereinde 384 KQ Kopje Alleen 422 KQ Vrugbaar 381 KQ Vrugbaar 387 KQ Middeldrift 379 KQ Aapieskraal 377 KQ Grootkuil 376 KQ Amandelbult 383 KQ Thabazimbi Northewest	Deep level mining	Ag; Au;Ir; Os; Pd; Pt. Nickel sulphate, copper cathode	<b>Northam Platinum Ltd</b>

PRODUCERS OF NICKEL				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>PRIMARY PRODUCER</b>				
<i>Group</i>				
<p><b>6. AFRICAN RAINBOW MINERALS LTD</b>  P O Box 782058  SANDTON  2146</p> <p>Tel: +27 11 779 1000  Fax: +27 11 779 1020  Website: <a href="http://www.arm.co.za">http://www.arm.co.za</a></p>				
<i>Mine</i>				
3139	<p><b>6.1 Nkomati Mine</b></p> <p>P O Box 562  Machdodorp  1170  Tel: +27 13 712 8200  Fax: +27 13 712 8300  E-mail:  nkomatimine@nkomati.co.za</p> <p><b><u>Farm, District, Province</u></b>  Nkomati, Slaaihoek 540 Jt,  Mpumalanga</p>	Underground mine	Nickel in concentrate	<b>African Rainbow Minerals (Ltd)</b>
1255	<p><b>6.2 Modikwa Platinum Mine</b></p> <p>Private Bag x9120  Drieskop  1129</p> <p>Tel: +27 13 230 2000  Fax: +27 13 230 2036</p> <p><b><u>Farm, District, Province</u></b>  Drieskop 253KT,  Hendriksplaats 281 KT,  Maandagshoek 254KT,  Onverwach 292 KT,  Winterveld 293KT  Lydenburg  Mpumalanga</p>	Underground mine	Nickel in concentrate	<b>African Rainbow Minerals (Ltd)</b>

PRODUCERS OF TANTALUM/NIوبيUM				
MINE CODE	COMPANY	TYPE OF OPERATION AND TRADE	PRODUCTS	MARKETING
	<p><b>1. Furisa Ltd Inc.</b></p> <p>Private Bag X18 Posnet Suit 21 Milnerton 7435</p> <p>Tel: +27 21 551 5230</p> <p>Fax: +27 21 551 5231</p> <p>Email: michael@furisa.com</p> <p>Website: <a href="http://www.furisa.com">http://www.furisa.com</a></p>	<p>Purchasing and exporting raw materials by sundry producers from pegmatites in the Northern Cape, mainly in the Steinkopf Reserve, Namaqualand, but also from neighbouring countries such as Namibia, Zimbabwe &amp; Mozambique</p>	<p>Tantalum and niobium</p>	<p><b>Furisa Ltd Inc.</b></p>

PRODUCERS OF TITANIUM				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>1. RICHARDS BAY MINERALS (RBM)</b> PO Box 401 RICHARDS BAY 3900  Tel: +27 35 901 3440 / 3111 Fax: +27 35 901 3442 / 3480 E-mail: info@rbm.co.za Website: http://www.rbm.co.za				
<i>Mine</i>				
863	<b>1.1 Tisand (Pty)( Ltd)</b>  PO Box 401 Richard Bay 3900  Tel: +27 35 901 3111  Fax: +27 35 9013480  Website:www.rbm.co.za  <b><u>Farm, District, Province</u></b> Farm 16317 REM, REM Reserve, Sub 1 LOT K45 13130, LOWER Umfolozi KwaZulu/Natal	Floating dredge and gravity separation of heavy minerals from dune sand;further processing by magnetic and electrostatic techniques.	Rutile sand Zircon Ilmenite sand for smelting in electric furnaces by Richards Bay Iron & Titanium (Pty) Ltd.	<b>RBM Mineral –Loy cc</b>  PO Box 1256 RIVONIA 2128  Tel: +27 11 802 4048  Fax: +27 11 802 4195/4
<i>Processing</i>				
	<b>1.2 Richards Bay Iron &amp; Titanium (Pty) Ltd</b>  PO Box 401 Richards Bay 3900  Tel :+27 35 901 3111  Fax: +27 35 901 3480  Website:www.rbm.co.za	Smelter - Ilmenite from Tisand	Titania slag High purity pig iron for use in foundries.	<b>Richards Bay Minerals</b>

PRODUCERS OF TITANIUM				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>Group</b>				
<b>2. EXXARO RESOURCES LTD</b> P O Box 9229 PRETORIA 0001  Tel: +27 12 307 5000 Fax: +27 12 323 3400 Website: <a href="http://www.exxaro.com">http://www.exxaro.com</a>				
<b>Mine</b>				
3531	<b>2.1 Hillendale Mine</b>  Private Bag X20010 Empangeni 3880  Tel: +27 35 902 7000  Fax: +27 35 902 7834  Website: <a href="http://www.exxaro.com">http://www.exxaro.com</a>  <b><u>Farm, District, Province</u></b> Lot 159 Umhlatuze13938, Reserve 10 15830 Rem,Umhlagage 16696, Lot 123 Umhlat Hillendale Mine Mtunzini KwaZulu/Natal	Hydraulic mining and gravity separation of heavy minerals from sand.	Rutile sand Ilmenite sand Zircon sand	<b>Exxaro Ltd</b>
<b>Processing</b>				
	<b>2.1.1 Mineral Separation Plant</b>  Private Bag X20010 Empangeni 3880  Tel: +27 35 902 7000  Fax: +27 35 902 7834  Website: <a href="http://www.exxaro.com">http://www.exxaro.com</a>	Additional processing of primary concentrate to produce ilmenite, rutile, zircon and leucoxene.	Rutile sand Ilmenite sand Zircon sand	<b>Exxaro Ltd</b>
	<b>2.1.2 Titanium Slag Smelter</b>  Private Bag X2001 Empangeni 3880  Tel: +27 35 902 7000  Fax: +27 35 902 7834	Smelter	Titania slag  High purity pig iron	<b>Exxaro Ltd</b>

PRODUCERS OF TITANIUM				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Mine</i>				
2915	<p><b>2.2 Namakwa Sands</b></p> <p>P O Box 435 Vredenburg 3380</p> <p>Tel: +27 27 217 3084</p> <p>Fax: +27 27 216 3055</p> <p><b><u>Farm, District, Province</u></b></p> <p>Ptns 1+2 Graauwduinen No. 152. Ptns 1+2 Rietfontein Ext. No. 151. Ptns 1+2+3 Hartebeeste Kom No. 156. Ptns 17+18 Goeraap No.140. Ptn 3 Houtkraal No. 143 Van Rhynsdorp Western Cape</p>	Open pit mining of heavy mineral sand at Brand-se-Baai and preliminary concentration of heavy minerals on site.	Ilmenite Zircon Rutile	<b>Exxaro Ltd</b>
<i>Processing</i>				
	<p><b>2.2.1 Mineral Separation Plant</b></p> <p>(North of Koekenaap)</p> <p>Tel: +27 27 217 3911</p> <p>Fax: +27 27 217 3011</p>	Additional processing of primary concentrate to produce ilmenite, zircon and rutile at the mineral separation plant north of Koekenaap.	Ilmenite Zircon Rutile	<b>Exxaro Ltd</b>
	<p><b>2.2.2 TITANIUM SLAG SMELTER</b></p> <p>(West of Saldanah/Vredenburg)</p> <p>Tel: +27 22 701 3911</p> <p>Fax: +27 22 701 3075</p>	Smelting of the ilmenite to produce titania slag (85%-86% TiO <sub>2</sub> ) at the smelter, 7 km from the Saldanha bay export terminal.	Titania slag low-manganese pig iron	<b>Exxaro Ltd</b>

PRODUCERS OF TITANIUM				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>3. HUNTSMAN TIOXIDE</b> Private Bag X504 UMBOGINTWINI 4120  Tel: +27 31 9103611 Fax: +27 31 9042416 Website: <a href="http://www.huntsman.com">http://www.huntsman.com</a>				
<i>Processing</i>				
	<b>3.1 Tioxide Southern Africa (Pty) Ltd</b>  Private Bag X504 Umbogintwini 4120 KwaZulu Natal  Tel: +27 31 9103611  Fax: +27 31 9042416  Website: <a href="http://www.huntsman.com">http://www.huntsman.com</a>	Processing of titanium slag to produce pigments	Tioxide TR94 - titanium dioxide pigment	<b>Tioxide Southern Africa</b>



PRODUCERS OF TUNGSTEN				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>1. De Beers Consolidated Mines</b> PO Box 616 KIMBERLEY 8300  Tel: +27 (0) 53 839 4111 Fax: +27 (0) 53 839 4210 website: <a href="http://www.debeersgroup.com">http://www.debeersgroup.com</a>				
	<b>1.1 Element Six (Pty) Ltd</b>  Private Bag X2 Selcourt 0567  Tel: +27 11 360 4600 / 520 9300 Fax: +27 11 818 4487  Website: <a href="http://www.e6.com">http://www.e6.com</a>	Powder and cemented tungsten carbide	Cobalt powder,  Tungsten powder,  Tungsten carbide powder, Ready-to-press mixed powders, Wear parts (hard metal)	<b>E6 Hard Materials</b>

PRODUCERS OF ZINC				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>1. ANGLO OPERATIONS LIMITED</b> P O Box 61587 MARSHALLTOWN 2107  Tel: +27 11 638-9111 Fax: +2711 638-3558 Website: <a href="http://www.angloamerican.co.uk">http://www.angloamerican.co.uk</a>				
<i>Mine</i>				
195	<b>1.1 Black Mountains ( A division of Anglo Operations Limited)</b>  Private Bag X01 Aggeneys 8893  Tel: +27 54 983 9200 Fax: +27 54 983 9244	Underground mine; blast hole and cut-and-fill stope	Concentrates Approx 51% Zn	<b>Anglo Operations (Ltd)</b>
	<u><b>Farm, District,Province</b></u> Aggeneys 56, Koeris 54 PTI, Zuurwater 62 PTN4, KENHARDT, NORTHERN CAPE			
<i>Group</i>				
<b>2. MARANDA MINING COMPANY PTY (LTD)</b> P O Box 2171 TZANEEN 0850  Tel: +27 307 6368 Fax: +27 307 2583				
<i>Mine</i>				
2627	<b>2.1 Maranda Mining Company (Pty (Ltd))</b>  P O Box 2171 Tzaneen 0850  Tel: +2715 345 1758 Fax: +2715 307 2583  <u><b>Farm, District,Province</b></u> Maranda Farm portion 1 Letsitele, Limpopo	Underground	Zinc Concentrates	<b>Maranda Mining Company (Pty (Ltd))</b>

PRODUCERS OF ZINC				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>SEMI-MANUFACTURERS</b>				
<i>Group</i>				
<b>1. ZIMCO GROUP</b> P O Box 6645 DUNSWART 1508  Tel: +27 11 746 5000 Fax: +27 11 421 0027				
<i>Processing</i>				
	<b>1.1 Zinchem</b>  P O Box 6645 Dunswart 1508  Tel: +27 11 746 5000  Fax: +27 11 421 0027  E-mail: sales@zinchem.co.za  Website: htt://www.zichem.co.za	Smelting, casting and semi-manufacturing raw material feedstock largely scrap. Pyrometallurgical vaporisation, condensation and oxidation	Alloy ingot, Anodes marine, Anodes rolled and cast pellets sheets  Spray wire Zinc dust Zinc ash Zinc Oxide Zinc Sulphate Other zinc Chemicals	<b>Zinchem (Pty ) (Ltd)</b>
<i>Processing</i>				
	<b>2. African Utilities (Pty) (Ltd)</b>  PO Box 2645 Half wayhouse 1685  Tel: +2711 805 1044  Fax: +2711 805 0979  Email: africanutilities@resource.co.za	Metal surface cleaning and preparation, coating applications  specific electroplating processes & metal surface finishing processes  Supply engineering services  Capital plant and equipment associated with process waste stream. Electrowinning processes	Energy Technologies, Power heat recovery	<b>African Utilities (Pty) (Ltd)</b>

PRODUCERS OF ZIRCONIUM				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<b>Group</b>				
<b>1. FOSKOR LTD</b> PO Box 1 PHALABORWA 1390  Tel: +27 15 789 2000 Fax: +27 15 789 2066 E-mail: zirconia@foskor.co.za				
205	<b>1.1 Foskor Ltd</b>  PO Box 1 Phalaborwa 1390  Tel: +27 15 789 2000  Fax: +27 15 789 2066  E-mail: <a href="mailto:zirconia@foskor.co.za">zirconia@foskor.co.za</a>  <b><u>Farm, District, Province</u></b> Laaste 24LU, Loole 31 LU, Schettoch 25LU, Wegsteek 30LU, Phalaborwa, Limpopo	Concentrator and heavy minerals plant as well as fusion and powder processing plant.	Fused calcia stabilised and Monoclinic zirconia Customised sizing	<b>Foskor Ltd</b>
<b>ZIRCON MILLING AND PROCESSING</b>				
<b>Group</b>				
<b>2. EGGERDING (SA) (PTY) LTD</b> P O Box 824 RICHARDS BAY 3901  Tel: +27 35 797 4568 Fax: +27 35 797 4550 E-mail: c.eva@eggerding.com				
<b>Processing</b>				
	<b>2.1 Eggerding SA (Pty) (Ltd)</b>  P.O Box 824 Richards Bay 3901  Tel: +27 35 797 4568  Fax: +27 35 797 4550  E-mail: <a href="mailto:c.eva@eggerding.com">c.eva@eggerding.com</a>  Website: <a href="http://www.eggerding.com">http://www.eggerding.com</a>	Custom grinding, crushing, sizing and drying of industrial minerals.	Zircon	<b>Eggerding SA (Pty) (Ltd)</b>

PRODUCERS OF ZIRCONIUM				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Processing</i>				
	<b>2.2 Zetamin (Pty) (Ltd)</b>  P O Box 824 Richards Bay 3901  Tel: +27 35 797 4568  Fax: +27 35 797 4550	Processing and Trading	Zetazircon Superfine: d50(sedigraph) 1.50 Microfine: d50(sedigraph) 1.70	<b>Zetamin (Pty) (Ltd)</b>
	<b>3. Geratech Zirconium Beneficiation Ltd</b>  Private Bag X3 Suite 178 Paardekraal 1752  Tel: +27 11 769 2827 Fax: +27 11 769 1933  E-mail: info@geratech.co.za  Website: <a href="http://www.geratech.co.za">http://www.geratech.co.za</a>	Processing	Zirconium Ortosulphate (ZOS) Zirconium Acetate Acid Zirconium Sulphate Tetrahydrate (AZST) Zirconium Basic Sulphate (ZBS) Chemical Grade Zirconia	<b>Geratech Zirconium Beneficiation Ltd</b>

PRODUCERS OF ZIRCON				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Group</i>				
<b>1. RICHARDS BAY MINERALS (RBM)</b> PO Box 401 RICHARDS BAY 3900  Tel: +27 35 901 3440 / 3111 Fax: +27 35 901 3442 / 3480 E-mail: info@rbm.co.za Website: http://www.richardsbayminerals.co.za				
<i>Mine</i>				
863	<b>1.1 Tisand (Pty) (Ltd)</b>  PO Box 401 Richards Bay 3900  Tel: +27 35 901 3111  Fax: +27 35 9013480  <u><b>Farm, District, Province</b></u> Farm 16317 REM, REM Reserve, Sub 1 LOT K45 13130, Lower Umfolozi, KwaZulu-Natal	Floating dredge and gravity separation of heavy minerals from dune sand;further processing by magnetic and electrostatic techniques.	Rutile sand Zircon	<b>Richards Bay            Minerals-Loy            cc</b>  PO Box 1256, Rivonia, 2128  Tel: +27 11 802 4048  Fax: +27 11 802 4195/4
<i>Group</i>				
<b>2. EXXARO RESOURCES LTD</b> P O Box 9229 PRETORIA 0001  Tel: +27 12 307 5000 Fax: +27 12 323 3400 Website: http://www.exxaro.com				
<i>Mine</i>				
3531	<b>2.1 Hillendale Mine</b>  Private Bag X20010 Empangeni 3880  Tel: +27 35 902 7000  Fax: +27 35 902 7834  Website: http://www.exxaro.com  <u><b>Farm, District, Province</b></u> Lot 159 Umhlatuze13938, Reserve 10 15830 Rem,Umhlage 16696,	Hydraulic mining and gravity separation of heavy minerals from sand.	Rutile sand Ilmenite sand Zircon sand	<b>Exxaro Ltd</b>

PRODUCERS OF ZIRCON				
MINE CODE	PRODUCER	TYPE OF OPERATION	PRODUCT	MARKETING
<i>Mine</i>				
	Hillendale Mine, Mtunzini KwaZulu-Natal			
<i>Mine</i>				
2915	<b>2.2 Namakwa Sands</b>  P O Box 435 Vredenburg 7380  Tel: +27 27 217 3084  Fax: +27 27 216 3055  <u><b>Farm, District, Province</b></u> Ptns 1+2 Graauwduinen No. 152. Ptns 1+2 Rietfontein Ext. No. 151. Ptns 1+2+3 Hartebeeste Kom No. 156. Ptns 17+18 Goeraap No.140. Ptn 3 Houtkraal No. 143 Van Rhynsdorp Western Cape	Open pit mining of heavy mineral sand at Brand-se-Baai and preliminary concentration of heavy minerals on site.	Illmenite Zircon Rutile	<b>Exxaro Ltd</b>

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## USEFUL ADDRESSES

### DEPARTMENT OF MINERAL RESOURCES HEAD OFFICE

The Director - General

Private Bag X59  
Pretoria  
0001

[www.dmr.gov.za](http://www.dmr.gov.za)

Travena Compus  
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Fax: +27 12 341 4134

### MINERAL REGULATION REGIONAL DIRECTORATES

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The Regional Manager – Limpopo  
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Tel: +27 21 427 1000  
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Fax: +27 12 322 2682

Department of Rural Development and Land Reform  
Private Bag X 833  
Pretoria  
[www.ruraldevelopment.gov.za](http://www.ruraldevelopment.gov.za)

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Fax: +27 12 312 8066

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Technology  
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[www.dst.gov.za](http://www.dst.gov.za)

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Pretoria

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Fax: +27 12 349 1030

Department of Trade and  
Industry  
Private Bag X 84  
Pretoria  
0001

[www.thedti.gov.za](http://www.thedti.gov.za)

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Sunnyside, Pretoria

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[www.dwaf.co.za](http://www.dwaf.co.za)

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## STATE OWNED ENTERPRISES

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Fax: +27 12 841 1221

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[www.csir.co.za](http://www.csir.co.za)

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Fax +27 12 349 1153

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Private Bag X 63  
Braamfontein  
2017

[www.mhsc.org.za](http://www.mhsc.org.za)

2nd Floor Braamfontein Centre  
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Braamfontein  
Johannesburg

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Fax: +27 11 403 1821

Mining Qualifications Authority  
Private Bag X 118  
Marshalltown  
2107

[www.mqa.org.za](http://www.mqa.org.za)

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4th Floor  
Marshalltown  
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Tel: +27 11 832 1022  
Fax: +27 11 832 1027

South African Agency for Promotion  
of  
Petroleum Exploration and Exploitation (Pty) Ltd  
Petroleum Agency SA  
PO Box 1174  
Parow  
7499

[www.petroleumagency.sa.com](http://www.petroleumagency.sa.com)

Petroleum House  
151 Frans Conradie Drive  
Parow, Cape Town

Tel: +27 21 938 3500  
Fax: +27 21 938 3520

South African Diamond and Precious Metals Regulator  
PO Box 16001  
DOORONFONTEIN  
2028

[www.sadb.co.za](http://www.sadb.co.za)

S A Diamond Centre, 5<sup>th</sup> Floor  
225 Corner Main and Philips Street  
Johannesburg

Tel: +27 11 334 8980 / 6  
Fax: +27 11 334 9001

The Industrial Development Corporation of SA Ltd (IDC)  
PO Box 784055  
Sandton  
2146

[www.idc.co.za](http://www.idc.co.za)

19 Fredman Drive  
Sandton

Tel: +27 11 269 3000  
Fax: +27 11 269 3116

## OTHER MINERAL-RELATED ORGANISATIONS

Aggregate and Sand Producers Association of South Africa (ASPASA) PO Box 61809 Marshalltown 2107	<a href="http://www.aspasa.co.za">www.aspasa.co.za</a>	Chamber of Mines Building 5 Hollard Street Marshalltown  Tel: +27 11 498 7265 Fax: +27 11 498 7269
Chamber of Mines of South Africa  P O Box 61809 Marshalltown 2107	<a href="http://www.bullion.org.za">www.bullion.org.za</a>	Chamber of Mines Building Cnr. Sauer & Marshall Streets Marshalltown  Tel: +27 11 498 7100 Fax: +27 11 834 1884
Copper Development Association (Pty) Ltd PO Box 14785 Wadeville 1422	<a href="http://www.copper.co.za">www.copper.co.za</a>	53 Rendell Road Wadeville Germiston  Tel: +27 11 824 3712 Fax: +27 11 824 3120
Federation of SA Gem & Mineralogical Societies P O Box 17273 Groenkloof 0027	<a href="http://www.fosagams.co.za">www.fosagams.co.za</a>	30 Van Wouw Street Groenkloof 181  Tel: +27 12 345 3939
Ferro Alloy Producers Association (FAPA) P O Box 1338 Johannesburg 2000	<a href="http://www.seissa.co.za">www.seissa.co.za</a>	Metal Industries House 42 Anderson Street Johannesburg  Tel: +27 11 298 9400 Fax: +27 11 298 9500
Metal Merchants Association P O Box 413299 Graighall Park 2024		92 Buckingham Avenue Graighall Park  Tel: +27 11 788 9587 Fax: +27 11 788 9587
South African Mining Development Association (SAMDA) PO Box 2236 Houghton 2041	<a href="http://www.samda.co.za">www.samda.co.za</a>	The Riviera Ground Floor Block 3 606 Oxford Road corner North Ave Riviera, Parktown  Tel: +27 11 486 0510 Fax: +27 11 486 1394

Steel and Engineering Industries  
Federation of SA (Seifsa)  
P O Box 1338  
Johannesburg  
2000

[www.seifsa.co.za](http://www.seifsa.co.za)

Metal Industries House  
42 Anderson Street  
Johannesburg

Tel: +27 11 298 9400  
Fax: +27 11 838 1522

The Aluminium Federation of South  
Africa  
PO Box 423  
Isando  
1600

[www.afsa.org.za](http://www.afsa.org.za)

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Marshalltown  
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The Institute of Mine Surveyors of SA  
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2107

[www.ims.org.za](http://www.ims.org.za)

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The South African Institute of Mining and Metallurgy  
P O Box 61127  
Marshalltown  
2107

[www.saimm.co.za](http://www.saimm.co.za)

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