

Annexure 1: ISIC Classification – Division 33: (SOURCE: STATISTICS SOUTH AFRICA)

MANUFACTURE OF COKE, REFINED PETROLEUM PRODUCTS AND NUCLEAR FUEL; MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS; MANUFACTURE OF RUBBER AND PLASTIC PRODUCTS

331 3310 Manufacture of coke oven products

- This group includes the operation of coke ovens mainly for the production of coke or semi-coke from hardcoal and lignite, or retort carbon and residual products such as coal tar or pitch.
- The agglomeration of coke.
- The manufacture of asphalt materials for road building and other purposes, fuel and igniting briquettes and packaged fuel from purchased coal or lignite.

Exclusions:

- The distillation of coal tar is classified under group 3341 (Manufacture of basic chemicals, except fertilizers and nitrogen compounds).
- The production of town gas and other manufactured gases such as water gas or producer gas is classified under group 4120 (Manufacture of gas; distribution of gaseous fuels through mains).
- Articles manufactured from asphalt materials such as coal tar pitch is classified under group 3429 (Manufacture of other non-metallic mineral products n.e.c.²⁵⁰).
- Coke ovens that are in gas works are classified under group 4120 (Manufacture of gas; distribution of gaseous fuels through mains).
- Coke ovens located in iron and steel works are classified under group 3510 (Manufacture of basic iron and steel).
- The manufacture of fuel and igniting briquettes and packaged fuels by coal and lignite mines is included in group 2100 (Mining of coal and lignite).

332 Petroleum refineries/synthesisers

- This group includes the production of liquid or gaseous fuels (e.g. ethane, butane or propane), illuminating oils, lubricating oils or greases or other products from crude petroleum or bituminous minerals or their fractionation products.
- Included is the manufacture or extraction of products such as petroleum jelly, paraffin wax, other petroleum waxes, and residual products such as petroleum coke, petroleum bitumen etc.
- The manufacture of compounded and blended lubricating oils and greases from purchased materials other than crude petroleum and oil. Also included is the manufacture of lubricating oils and greases primarily from other organic materials.

²⁵⁰ not elsewhere classified

Exclusions:

- The operation of oil or gas field properties to obtain crude petroleum or natural gas is classified under group 2211 (Extraction of crude petroleum and natural gas).

333 3330 Processing of nuclear fuel

- This group includes the extraction of uranium metal from pitchblende or other uranium bearing ores. The manufacture of alloys, dispersions of mixtures of natural uranium or its compounds.
- The manufacture of enriched uranium and its compounds; plutonium and its compounds; or alloys, dispersions or mixtures of these compounds.
- The manufacture of uranium depleted in U 235 and its compounds, thorium and its compounds; or alloys, dispersions or mixtures of these compounds.
- The manufacture of other radioactive elements, isotopes or compounds.
- The manufacture of non-irradiated fuel elements for use in nuclear reactors.

334 Manufacture of basic chemicals3341 Manufacture of basic chemicals, except fertilizers and nitrogen compounds

- This group includes the manufacture of the following:
 - Industrial gases, including elemental gases; liquid or compressed air, acetylene, refrigerant gases, mixed industrial gases, etc.;
 - other chemical elements, except base metals, precious metals or radioactive elements, isotopes and compounds for nuclear fuel;
 - inorganic acids, except nitric acid;
 - alkalis or other inorganic compounds such as inorganic pigments;
 - basic organic chemicals: Saturated and unsaturated acyclic and cyclic hydrocarbons, benzene, toluene, xylene and other coal tar or mineral oil distillation products; acyclic alcohols; phenols and phenol-alcohols; methanol and higher alcohols (except ethyl alcohol); ketones or quinones; monocarboxylic or poly-carboxylic acids, including acetic acid; amine function compounds; nitrile-function compounds; or other organic compounds;
 - colouring matter of vegetable or animal origin; synthetic organic dyestuffs;
 - the extraction of volatile products by the distillation of wood;
 - synthetic tanning agents; and
 - lyes and other basic chemicals not elsewhere classified.

Exclusions:

- The extraction of methane, ethane, butane or propane at a mine is classified under group 2211 (Extraction of crude petroleum and natural gas).
- The production of ethyl alcohol is classified under group 3051 (Distilling, rectifying and blending of spirits; ethyl alcohol production from fermented materials; manufacture of wine).
- The production in a petroleum refinery of ethane, butane or propane is classified under major group 332 (Petroleum refineries/synthesizers).
- The manufacture of nitrogenous fertilizers and nitrogen compounds is classified under group 3342 (Manufacture of fertilizers and nitrogen compounds), even though such products may have uses other than as fertilizers.

- The manufacture of plastics in primary forms and of synthetic rubber is classified under group 3343.
- The manufacture of crude glycerol is classified under group 3354 (Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations).
- The manufacture of essential oils is classified under group 3359 (Manufacture of other chemical products n.e.c.).

3342 Manufacture of fertilizers and nitrogen compounds

- This group includes the manufacture of straight, mixed, compound or complex nitrogenous, phosphatic or potassic fertilizers.
- Included is the manufacture of urea.
- Manufacture of products of the nitrogenous fertilizer industry; nitric acid, ammonia, commercial ammonium chloride, nitrates of potassium.

Exclusions:

- Guano mining is classified under subgroup 25319 (Other chemical and fertilizer mineral mining).
- The manufacture of pesticides and other agro-chemical products is classified under group 3351 (Manufacture of pesticides and other agro-chemical products).

3343 Manufacture of plastics in primary forms and of synthetic rubber

- This group includes the manufacture of plastics in primary form, including polymers of ethylene, polypropylene or other olefins, styrene, vinyl chloride or other halogenated olefins, vinyl acetate or of other vinyl esters, other vinyl polymers; polyacetals, other polyethers and epoxide resins, polycarbonates, alkyd resins, polyallyl esters and other polyesters; polyamides; amino resins, phenolic resins and polyurethanes; silicones; petroleum resins, polyterpenes, polysulphides, polysulphones; cellulose and its chemical derivatives; natural polymers (e.g. alginic acid), modified natural polymers such as hardened proteins; or ion exchangers based on the above polymers.
- The manufacture of synthetic rubber and factice derived from oils, in primary form.
- The production of mixtures of synthetic rubber and natural rubber or rubber-like gums (e.g. balata), in primary form.

Exclusions:

- The processing of purchased resin or plastic raw materials to produce plastic products, film and sheets, is classified under group 3380 (Manufacture of plastic products).

335 Manufacture of other chemical products

3351 Manufacture of pesticides and other agro-chemical products

- This group includes the manufacture of insecticides, rodenticides, fungicides, herbicides, anti-sprouting products, plant growth regulators, disinfectants and other agro-chemical products not elsewhere classified.

Exclusions:

- The manufacture of fertilizers and nitrogen compounds is classified under group 3342.

3352 Manufacture of paints, varnishes and similar coatings, printing ink and mastics

- This group includes the manufacture of the following:
 - Paints, varnishes, enamels or lacquers;
 - prepared pigments, prepared opacifiers and prepared colours, vitrifiable enamels and glazes, engobes or similar preparations of a kind used in the ceramic, enamelling or glass industry;
 - pigments and other colouring matter of a kind used in the manufacture of paints or by artists or other painters;
 - mastics, caulking compounds or similar non-refractory filling or surfacing preparations;
 - organic composite solvents and thinners not elsewhere classified. The manufacture of prepared paint or varnish removers; and
 - printing ink

Exclusions:

- The manufacture of dyes or dyestuffs is classified under group 3341 (Manufacture of basic chemicals, except fertilizers and nitrogen compounds).
- The manufacture of pigments such as titanium oxide, compounds of chromium, cadmium or other colour-bearing chemical compounds is also classified under group 3341.
- The manufacture of writing and drawing ink is classified under group 3359 (Manufacture of other chemical products n.e.c.).

3353 Manufacture of pharmaceuticals, medicinal chemicals and botanical products

- This group includes the manufacture of the following:
 - Pharmaceutical preparations for human or veterinary use: Generic or proprietary preparations; preparations available to the general public or controlled by the health system; ampoules, tablets, capsules, vials, ointments, powders or solutions; botanical products ground, graded, milled or otherwise prepared;
 - surgical dressings, medicated wadding, fracture bandages, catgut and other prepared sutures;
 - cement used in dentistry; and
 - chemical substances used in the manufacture of pharmaceuticals: Antibiotics, endocrine products, basic vitamins; opium derivatives; sulpha drugs; serums and plasmas; salicylic acid, its salts and esters; glycosides and vegetable alkaloids; chemically pure sugar etc.

Exclusions:

- The packing of pharmaceuticals for own account by wholesalers or retailers is classified under group 6139 (Wholesale trade in other household goods) or 6231 (Retail trade in pharmaceutical and medical goods, cosmetic and toilet articles) and packaging on a fee or contract basis under group 8895 (Packaging activities).

3354 Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations

- This group includes the manufacture of the following:
 - soap in the form of bars, cakes, moulded pieces, shapes, liquids, pastes or in other forms; organic surface-active products in like forms; paper, wadding, felt or other material impregnated, coated or covered with soap or detergent; crude glycerol;

- organic surface-active agents or preparations for use as washing or cleaning preparations;
- tonsorial preparations including shampoos, hair lacquers, waving or straightening preparations; pre-shave, shaving or aftershave preparations or depilatories;
- odoriferous preparations for personal use such as perfumes, cologne water or toilet water;
- beauty or make-up preparations including manicure or pedicure preparations;
- preparations for oral or dental hygiene including denture fixative, pastes and powders;
- other perfumery, cosmetic or toilet preparations not elsewhere classified such as personal deodorants or bath salts;
- polishes and creams for footwear, floors, coachwork, glass or metal, scouring pastes and powders and similar goods in the form of paper, felt, wadding, non-wovens, cellular plastics or cellular rubber, impregnated, coated or covered with polishes or creams, scouring pastes or powders;
- artificial waxes and prepared waxes consisting of mixtures of waxes; and
- preparations for perfuming or deodorising rooms.

Exclusions:

- The manufacture of separate, chemically defined compounds is classified under group 3341 (Manufacture of basic chemicals, except fertilizers and nitrogen compounds).
- The extraction and refining of essential oils are classified under group 3359 (Manufacture of other chemical products n.e.c.).
- The manufacture of candles is classified under group 3929 (Other manufacturing n.e.c.).

3359 Manufacture of other chemical products n.e.c.

- This group includes the manufacture of the following:
 - explosives, pyrotechnic products (torches, fire lighters, etc.), propellant powders, other prepared explosives, detonating or safety fuses, caps, fireworks, signalling flares, etc;
 - gelatin and gelatin derivatives, glues of animal origin, prepared glues and other prepared adhesives, including adhesives based on rubber or plastics;
 - peptones, peptone derivatives, other protein substances and their derivatives not elsewhere classified;
 - essential oils. Modification by chemical processes (e.g. by oxidation, polymerisation etc.) of oils and fats;
 - materials used in the finishing of textiles;
 - powders and pastes used in soldering, brazing or welding;
 - substances used to pickle metal;
 - activated carbon, lubricating oil additives, prepared rubber accelerators, catalysts and other chemical products for industrial use;
 - anti-knock preparations, anti-freeze preparations, liquids for hydraulic transmission, composite diagnostic or laboratory reagents, etc.;
 - photochemical products, such as photographic plates, films, sensitised paper, other sensitised unexposed materials, and chemical preparations for photographic uses;
 - writing and drawing ink;

- prepared unrecorded media for sound recording or similar recording of other phenomena; and
- processed salt.

Exclusions:

- In general, the manufacture of chemically defined products in bulk is classified under group 3341 (Manufacture of basic chemicals, except fertilizers and nitrogen compounds).
- The manufacture of printing ink is classified under group 3352.

3360 Manufacture of man-made fibres

- This group includes the manufacture of artificial or synthetic filament tow and staple fibres, not carded or combed.
- The manufacture of synthetic or artificial filament yarn, whether or not textured, high tenacity, multiple or cabled.
- The manufacture of synthetic or artificial nonfilament or strip (e.g. artificial straw).

Exclusions:

- The manufacture of yarns of man-made staple is classified under group 3111 (Preparation and spinning of textile fibres; weaving of textiles).
- The manufacture of textured, plied, cabled or otherwise processed yarns from filaments, tow, staple or yarn not made in the same unit is also classified under group 3111.

337 Manufacture of rubber products3371 Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres

- This group includes the manufacture and retreading of vehicle tyres of rubber, including tyres for equipment or mobile machinery.
- The manufacture of pneumatic tyres and solid or cushion tyres.
- The manufacture of tyres designed for use on off-road vehicles or equipment such as aircraft or bulldozers, or on toys, furniture or for other uses.
- The manufacture of inner tubes for the tyres described above.
- The manufacture of tyre parts such as interchangeable tyre treads, or tyre flaps.
- The manufacture of "camel-back" strips for retreading tyres.
- The rebuilding of tyres. The replacement of tread on used pneumatic tyres.

Exclusions:

- The manufacture of tube repair materials is classified under group 3379 (Manufacture of other rubber products).
- The repair of punctured tyres is classified under group 6320 (Maintenance and repair of motor vehicles).
- The manufacture of rubber footwear is classified under group 3170 (Manufacture of footwear).

3379 Manufacture of other rubber products

- This group includes the manufacture of rubber products not elsewhere classified. The manufacture of semi-finished or finished rubber products; unvulcanised, vulcanised or hard rubber products; products wholly or partly of synthetic or natural rubber or of rubber-like gums.

- The wide variety of activities include manufacture of plates, sheets, strips, rods and profile shapes; tubes, pipes and hoses; conveyor or transmission belts or belting; hygienic or pharmaceutical articles; articles of apparel; floor coverings, etc.

Exclusions:

- The production of rubber by plantations is classified under group 1111 (Growing of cereals and other crops n.e.c.).
- The manufacture of apparel of elastic fabrics is classified under group 3140 (Manufacture of wearing apparel, except fur apparel).
- The manufacture of footwear is classified under group 3170.
- The manufacture of "camel-back" strips for retreading rubber tyres is classified under group 3371 (Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres).
- The manufacture of medical, dental and surgical appliances is classified under group 3741 (Manufacture of medical and surgical equipment and orthopaedic appliances).
- The manufacture of scientific instruments is classified under group 3742 (Manufacture of instruments and appliances for measuring, checking, testing, navigating and for other purposes, except industrial process control equipment).
- The manufacture of inflatable rafts or inflatable pleasure boats is classified under group 3842 (Building and repairing of pleasure and sporting boats).
- The manufacture of uncovered cellular rubber mattresses is classified under subgroup 39103 (Manufacture of furniture made predominantly of materials other than metal, plastic or concrete).
- The manufacture of sports requisites is classified under group 3923 (Manufacture of sports goods).
- The manufacture of games and toys is classified under group 3924.
- The reclaiming of rubber is classified under group 3952 (Recycling of non-metal waste and scrap n.e.c.)

3380 Manufacture of plastic products

- This group includes the manufacture of plastic products such as plates, sheets, film, foil and strip; tubes, pipes and hoses; hose and pipe fittings; self-adhesive plates, sheets, film, foil, tape, strip and other flat shapes; plastic floor, wall or ceiling coverings in rolls or in the form of tiles; or other primary plastic products.
- The manufacture of plastic articles (glassfibre reinforced or not): Sanitary ware, including baths, showers, wash basins, lavatory pans, flushing cisterns etc.; articles for the packing of goods such as bags, sacks, (not made up) boxes, cases, carboys, bottles etc.; tableware, kitchenware and toilet articles; builders' ware, including doors, windows and their frames, shutters, blinds; and other articles such as headgear, insulating fittings, parts of lamps and light fittings, office or school supplies, articles of apparel, fittings for furniture, coachwork etc., statuettes and other ornamental articles.

Exclusions:

- The manufacture of woven fabric of artificial fibre is classified under group 3111 (Preparation and spinning of textile fibre; weaving of textiles).
- The manufacture of made-up articles from woven artificial textiles such as sacks and bags is classified under group 3121 (Manufacture of made-up textile articles, except apparel).

- The manufacture of luggage, handbags and the like from plastic materials is classified under group 3162 (Manufacture of luggage, handbags and the like, saddlery and harness).
- The manufacture of footwear is classified under group 3170.
- The manufacture of plaits or wickerwork is classified under group 3229 (Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials).
- The manufacture of plastics in primary form is classified under group 3343.
- Manufacture of medical, dental and surgical appliances is classified under group 3741 (Manufacture of medical and surgical equipment and orthopaedic appliances).
- The manufacture of scientific instruments is classified under group 3742 (Manufacture of instruments and appliances for measuring, checking, testing, navigating and for other purposes, except industrial process control equipment).
- The manufacture of uncovered cellular plastic mattresses is classified under group 3910 (Manufacture of furniture).
- The manufacture of sports requisites is classified under group 3923 (Manufacture of sports goods).
- The manufacture of games and toys is classified under group 3924.
- The manufacture of linoleum and hard surfaced floor coverings is classified under group 3929 (Other manufacturing n.e.c.).

Annexure 2: Link Between Chemweb & ISIC Category

CHEMWEB CLASSIFICATION	ISIC CLASSIFICATION
Liquid fuels	Petroleum & petroleum products
Basic organic chemicals Polymers & rubbers in primary forms Inorganic chemicals & industrial gases	Basic chemicals
Fine chemicals Speciality & functional chemicals Bulk formulated chemicals Pharmaceuticals Consumer formulated chemicals	Other chemicals
Rubber conversion	Rubber products
Plastic conversion	Plastic products

Annexure 3: Percentage of Production and Consumption of Major Sub-Groups

SUB-GROUPS BY SADC MEMBERS (2000)

SUB-GROUP	COUNTRY	PRODUCTION	CONSUMPTION
Petroleum and petroleum products	South Africa	87	63
	Angola	8	4
	Zambia	3	5
	Zimbabwe	na	8
	Mauritius	na	5
Basic organic chemicals	South Africa	99	88
	Zimbabwe	1	2
		na	3
Polymers and rubbers in primary form	South Africa	100 ²⁵¹	88
	Zimbabwe	na	88
	Tanzania	na	2
Inorganic chemicals and industrial gasses	South Africa	88	78
	Zimbabwe	9	11
	Mauritius	na	3
Fine chemicals	South Africa	100	82
	Zimbabwe	na	5
	Tanzania	na	3
Speciality and functional chemicals	South Africa	66	66
	Swaziland	14	na
	Zimbabwe	13	14
	Mauritius	na	4

²⁵¹ In the instances where Chemweb indicated that South Africa is the major producer without any numerical indication of size, South Africa was taken as 100%.

SUB-GROUP	COUNTRY	PRODUCTION	CONSUMPTION
Bulk formulated chemicals	South Africa	76	62
	Zimbabwe	21	24
	Zambia	na	3
Pharmaceuticals	South Africa	96	85
	Zimbabwe	1	2
	Tanzania	1	3
	Botswana	na	3
	Namibia	2	na
Consumer formulated chemicals	South Africa	66	58
	Zimbabwe	17	15
	Tanzania	8	8
	Botswana	na	5
Rubber conversion	South Africa	93	75
	Zimbabwe	4	6
	Tanzania	1	4
	Botswana	na	4
	Namibia	na	2
Plastic conversion	South Africa	93	87
	Tanzania	2	2
	Mauritius	1	2
	Botswana	na	2

Annexure 4: SADC Internal Imports/Exports

Destination of SADC Exports Between SADC Nations (%)

Data	Origin	10	11	12	13	14	Grand Total
Sum of 1990	MALAWI	-	0.01	0.53	0.66	1.26	0.31
	MAURITIUS	0.98	0.18	1.50	0.06	1.57	0.93
	MOZAMBIQUE	-	-	0.04	0.39	-	0.04
	SOUTH AFRICA	89.10	86.80	86.51	68.39	78.63	85.77
	TANZANIA	-	-	0.02	-	-	0.01
	ZAMBIA	1.91	0.43	0.62	1.11	0.21	0.84
	ZIMBABWE	8.00	12.58	10.77	29.39	18.33	12.11
	TOTAL	100.00	100.00	100.00	100.00	100.00	100.00
Sum of 2000	MALAWI	0.00	0.00	0.00	0.00	0.00	0.00
	MAURITIUS	0.00	0.49	0.17	0.00	0.20	0.14
	MOZAMBIQUE	0.02	0.05	0.04	3.58	0.18	0.21
	SOUTH AFRICA	95.81	87.94	93.62	87.97	88.46	93.18
	TANZANIA	0.00	0.01	0.01	0.00	0.01	0.01
	ZAMBIA	0.00	0.00	0.03	0.01	0.08	0.01
	ZIMBABWE	4.16	11.52	6.13	8.43	11.07	6.44
	TOTAL	100.00	100.00	100.00	100.00	100.00	100.00

Origin of SADC Imports Between SADC Nations (%)

Data	Destination	10	11	12	13	14	Grand Total
Sum of 1990	MALAWI	2.00	3.16	2.82	2.43	1.99	2.71
	MAURITIUS	14.90	13.75	14.96	27.42	39.35	16.07
	MOZAMBIQUE	0.22	0.81	1.37	3.32	4.09	1.18
	SOUTH AFRICA	0.35	2.44	2.55	13.95	9.35	2.98
	TANZANIA	0.40	0.02	0.17	0.14	0.36	0.17
	ZAMBIA	5.04	6.26	4.36	9.55	3.52	5.34
	ZIMBABWE	77.09	73.57	73.78	43.19	41.34	71.56
	TOTAL	100.00	100.00	100.00	100.00	100.00	100.00
Sum of 2000	MALAWI	1.17	13.17	8.01	10.58	9.46	6.01
	MAURITIUS	20.98	3.47	6.09	4.88	15.31	12.55
	MOZAMBIQUE	27.24	5.87	13.25	15.42	21.35	18.66
	SOUTH AFRICA	2.28	2.43	1.94	8.15	3.93	2.56
	TANZANIA	6.97	4.50	4.55	7.26	4.26	5.74
	ZAMBIA	24.64	36.34	25.44	29.50	20.54	26.88
	ZIMBABWE	16.71	34.21	40.72	24.20	25.14	27.61
	TOTAL	100.00	100.00	100.00	100.00	100.00	100.00

Annexure 5: SADC Imports/Exports With the Rest of the World

Destination of SADC Exports Between SADC and the Rest of the World (%)

REGION	Data	10	11	12	13	14	Grand Total
1990	CANADA	-	3.24	0.52	0.59	0.42	2.47
	CHINA	0.10	-	0.08	-	-	0.02
	EU	49.67	65.41	56.28	91.68	77.33	63.10
	HONG KONG	0.22	2.51	21.72	4.69	0.52	4.23
	INDIA	0.13	-	8.16	-	-	0.87
	JAPAN	9.11	15.56	8.88	-	1.18	13.59
	N KOREA	-	-	-	-	-	-
	S KOREA	0.24	0.06	0.72	0.29	-	0.16
	MADAGASCAR	5.22	0.36	1.46	-	0.75	1.07
	TAIWAN	5.12	0.05	-	-	-	0.66
	USA	30.18	12.81	2.19	2.75	19.79	13.84
	TOTAL	100.00	100.00	100.00	100.00	100.00	100.00
2000	CANADA	0.47	7.16	2.42	0.69	0.66	5.07
	CHINA	5.96	2.54	5.56	0.51	0.19	3.17
	EU	40.89	27.98	53.97	76.29	70.69	38.42
	HONG KONG	1.21	2.48	5.31	0.33	0.90	2.67
	INDIA	5.92	15.67	5.24	0.65	0.46	11.43
	JAPAN	3.99	8.16	3.13	0.08	0.04	6.08
	N KOREA	0.05	0.02	0.04	-	-	0.03
	S KOREA	1.97	1.52	3.11	0.34	0.42	1.73
	MADAGASCAR	4.31	0.69	3.90	0.55	3.97	1.67
	TAIWAN	4.98	2.27	3.88	0.20	0.15	2.59
	USA	30.25	31.50	13.44	20.35	22.52	27.14
	TOTAL	100.00	100.00	100.00	100.00	100.00	100.00

Origin of SADC Imports Between SADC and the Rest of the World (%)

REGION / COUNTRY	Data	10	11	12	13	14	Grand Total
1990	CANADA	0.06	0.96	0.64	0.89	0.53	0.73
	CHINA	4.98	0.16	0.23	0.49	0.15	0.49
	EU	68.39	68.03	80.54	52.86	72.48	72.93
	HONG KONG	5.56	0.86	0.97	0.88	6.18	1.48
	INDIA	-	0.09	0.50	1.22	0.56	0.40
	JAPAN	2.62	6.75	2.55	34.08	6.50	6.78
	KOREA D P RP	-	0.00	0.00	0.02	0.01	0.00
	KOREA RP	0.17	0.06	0.21	1.17	0.27	0.24
	MADAGASCAR	0.23	0.00	0.01	-	0.01	0.02
	TAIWAN	-	0.16	0.12	0.28	0.97	0.19
	USA	18.00	22.93	14.24	8.10	12.34	16.74
	TOTAL	100.00	100.00	100.00	100.00	100.00	100.00
2000	CANADA	0.03	0.86	0.36	0.29	0.46	0.46
	CHINA	15.24	6.23	1.94	5.08	9.25	4.78
	EU	43.27	51.06	72.99	43.82	58.71	61.74
	HONG KONG	0.06	0.20	0.37	0.26	9.06	0.89
	INDIA	0.01	2.17	1.98	1.63	1.24	1.80
	JAPAN	0.75	6.35	1.75	30.27	2.64	5.43
	N KOREA	-	0.00	0.01	0.02	-	0.01
	S KOREA	3.13	3.47	3.24	6.35	1.78	3.47
	MADAGASCAR	7.47	0.00	0.00	0.01	0.01	0.56
	TAIWAN	0.05	2.14	1.88	4.58	4.39	2.22
	USA	29.99	27.51	15.47	7.69	12.46	18.63
	TOTAL	100.00	100.00	100.00	100.00	100.00	100.00

Annexure 6: Organisations that Work for the Protection of the Consumer and Environment

Organisation	Contact Person
Poison Information Centres	
Tygerberg Poison Information Centre	Dr G Muller
Garden City Poison Information Centre	Karen Koch
Diepsloot Health Clinic	Sister Sally Getembe
Environmental Organisations	
Earthlife Africa	Muna Lakhani
Wildlife and Environment Society	Cathy Kay
Endangered Wildlife Trust – Poison Working Group	Nicola van Zijl
Organised Labour	
Domestic Workers Union	Eunice Dhladhla
Consumer Forums	
National Consumer Forum	Mr Bolani
Consumer Manufacturers	Mr Tselentis
Paraffin Safety Association of South Africa	Tanner Methvin
Petroleum Industry Association	Anton Moldan
Isabel Jones Consumer Hotline	Isabel Jones
CAUSE – Consumers Against Unsafe Shopping Environments	Malcolm Russell
GroundWork	Linda Ambler
Gauteng Consumer Affairs Office	Eva Kekana
Informal Sector	
Councillor:	Salphina Mulauzi
Happs General Dealer	The owner's son – Sidney Tshilenge
Ve Zantu Wholesaler	Julia Sadiki

Annexure 7: Exports

ISIC 4 Digit level & HS 4 Digit level

HS4	Description	1990	1994	2001
	Coke oven products (ISIC 3310)	100.00	100.00	100.00
2704	Coke and semi-coke of coal, of lignite or of peat, whether or not agglomerated; retort carbon.	99.93	91.22	76.64
2706	Tar distilled from coal, from lignite or from peat, and other mineral tars, whether or not dehydrated or partially distilled, including reconstituted tars.	0.07	8.78	23.36
	Petroleum refineries & synthesisers (ISIC 3320)	100.00	100.00	100.00
2710	Petroleum oils and oils obtained from bituminous minerals, other than crude; preparations not elsewhere specified or included, containing by mass 70 per cent or more of petroleum oils or of oils obtained from bituminous minerals, these oils being the basic constituents of the preparations *** schedule 1 part 2a : 105.10/2710 *** (included in duty at specified rate)	-	2.80	93.61
2712	Petroleum jelly; paraffin wax, micro- crystalline petroleum wax, slack wax, ozokerite, lignite wax, peat wax, other mineral waxes, and similar products obtained by synthesis or by other processes, whether or not coloured.	97.04	82.39	5.65
2713	Petroleum coke, petroleum bitumen and other residues of petroleum oils or of oils obtained from bituminous minerals.	2.96	14.80	0.74
	Basic chemicals (ISIC 3341)	100.00	100.00	100.00
1519	Industrial monocarboxylic fatty acids; acid oils from refining; industrial fatty alcohols	0.12	0.09	-
2707	Oils and other products of the distillation of high temperature coal tar; similar products in which the mass the aromatic constituents	-	-	2.51

HS4	Description	1990	1994	2001
	exceeds that of the non-aromatic constituents.			
2708	Pitch and pitch coke, obtained from coal tar or from other mineral tars.	0.00	0.72	1.78
2801	Fluorine, chlorine, bromine and iodine.	0.20	0.15	0.13
2802	Sulphur, sublimed or precipitated; colloidal sulphur.	0.02	0.01	0.59
2803	Carbon (carbon blacks and other forms of carbon not elsewhere specified or included).	1.07	1.05	0.19
2804	Hydrogen, rare gases and other non-metals.	9.55	5.31	4.01
2805	Alkali or alkaline-earth metals; rare- earth metals, scandium and yttrium, whether or not intermixed or interalloyed; mercury.	0.02	0.01	0.01
2806	Hydrogen chloride (hydrochloric acid); chlorosulphuric acid.	0.15	0.15	0.14
2807	Sulphuric acid; oleum.	0.67	0.20	0.40
2809	Diphosphorus pentaoxide; phosphoric acid and polyphosphoric acids.	6.96	8.30	9.37
2810	Oxides of boron; boric acids.	0.01	0.01	0.01
2811	Other inorganic acids and other inorganic oxygen compounds of non-metals.	0.13	0.12	0.33
2812	Halides and halide oxides of non-metals.	-	0.01	0.05
2813	Sulphides of non-metals; commercial phosphorus trisulphide.	1.62	0.00	0.01
2815	Sodium hydroxide (caustic soda); potassium hydroxide (caustic potash); peroxides of sodium or potassium.	1.02	0.40	0.45
2816	Hydroxide and peroxide of magnesium; oxides, hydroxides and peroxides, of strontium or barium.	0.00	0.00	0.00
2817	Zinc oxide; zinc peroxide.	0.11	0.05	0.06
2819	Chromium oxides and hydroxides.	0.04	0.02	0.80
2820	Manganese oxides.	2.05	2.49	7.98
2821	Iron oxides and hydroxides; earth colours containing 70 % or more by mass of combined iron evaluated as Fe ₂ O ₃ .	0.03	0.02	0.26

HS4	Description	1990	1994	2001
2822	Cobalt oxides and hydroxides; commercial cobalt oxides.	0.06	0.38	0.20
2823	Titanium oxides.	8.44	23.12	11.95
2824	Lead oxides; red lead and orange lead.	0.23	0.10	0.05
2825	Hydrazine and hydroxylamine and their inorganic salts; other inorganic bases; other metal oxides, hydroxides and peroxides.	13.98	5.06	2.42
2826	Fluorides; fluorosilicates, fluoroaluminates and other complex fluorine salts.	0.02	0.02	0.35
2828	Hypochlorites; commercial calcium hypochlorite; chlorites; hypobromites.	0.41	0.35	0.25
2829	Chlorates and perchlorates; bromates and perbromates; iodates and periodates.	0.12	0.02	0.02
2830	Sulphides; polysulphides.	0.01	0.09	0.12
2831	Dithionites and sulphonylates.	0.05	0.01	0.00
2832	Sulphites; thiosulphates.	0.04	0.26	0.17
2833	Sulphates; alums; peroxosulphates (persulphates).	3.31	2.73	1.32
2835	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.	8.17	7.32	4.18
2837	Cyanides, cyanide oxides and complex cyanides.	1.02	7.40	1.54
2838	Fulminates, cyanates and thiocyanates.	0.00	0.00	0.00
2839	Silicates; commercial alkali metal silicates.	0.27	0.16	0.15
2840	Borates; peroxoborates (perborates).	0.46	0.09	0.02
2841	Salts of oxometallic or peroxometallic acids.	0.52	0.20	1.13
2842	Other salts of inorganic acids or peroxyacids,(excluding azides).	0.17	0.00	0.00
2843	Colloidal precious metals; inorganic or organic compounds of precious metals, whether or not chemically defined; amalgams of precious metals.	0.06	0.28	1.50

HS4	Description	1990	1994	2001
2844	Radioactive chemical elements and radioactive isotopes (including the fissile or fertile chemical elements and isotopes) and their compounds; mixtures and residues containing these products	0.01	5.40	3.09
2845	Isotopes (excluding those of heading no. 28.44); compounds, inorganic or organic, of such isotopes, whether or not chemically defined.	0.01	0.00	0.01
2846	Compounds, inorganic or organic, of rare-earth metals, of yttrium or of scandium or of mixtures of these metals.	0.00	0.01	0.02
2847	Hydrogen peroxide, whether or not solidified with urea.	0.10	0.09	0.10
2848	Phosphides, whether or not chemically defined (excluding ferrophosphorus)	0.01	0.00	0.00
2849	Carbides, whether or not chemically defined.	0.60	0.53	0.57
2850	Hydrides, nitrides, azides, silicides and borides, whether or not chemically defined (excluding compounds which are also carbides of heading no.28.49)	2.32	1.35	1.46
2851	Other inorganic compounds (including distilled or conductivity water and water of similar purity); liquid air (whether or not rare gases have been removed); compressed air; amalgams, (excluding amalgams of precious metals).	0.05	0.01	0.02
2901	Acyclic hydrocarbons.	0.04	0.79	11.22
2902	Cyclic hydrocarbons.	0.07	0.01	0.35
2903	Halogenated derivatives of hydrocarbons.	0.49	0.78	0.09
2904	Sulphonated, nitrated or nitrosated derivatives of hydrocarbons, whether or not halogenated.	0.13	0.25	0.27
2905	Acyclic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives.	2.95	2.34	4.32
2906	Cyclic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.83	0.12	0.09
2907	Phenols; phenol-alcohols.	2.77	2.53	1.87
2908	Halogenated, sulphonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols.	0.02	0.10	0.12
2909	Ethers, ether-alcohols, ether-phenols, ether-alcohol-phenols, alcohol peroxides, ether peroxides, ketone peroxides (whether or not chemically defined), and their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.18	0.08	0.08

HS4	Description	1990	1994	2001
2910	Epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring, and their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.00	0.00	0.02
2911	Acetals and hemiacetals, whether or not with other oxygen function, and their halogenated, sulphonated, nitrated or nitrosated derivatives.	-	0.00	0.00
2912	Aldehydes, whether or not with other oxygen function; cyclic polymers of aldehydes; paraformaldehyde.	0.10	0.06	0.21
2913	Halogenated, sulphonated, nitrated or nitrosated derivatives of products of heading no.29.12.	0.11	0.01	-
2914	Ketones and quinones, whether or not with other oxygen function, and their halogenated, sulphonated, nitrated or nitrosated derivatives.	9.63	5.57	7.89
2915	Saturated acyclic monocarboxylic acids and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.57	0.25	1.37
2916	Unsaturated acyclic monocarboxylic acids, cyclic monocarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.21	0.07	0.07
2917	Polycarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.90	0.59	0.20
2918	Carboxylic acids with additional oxygen function and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.39	0.46	0.41
2919	Phosphoric esters and their salts, including lactophosphates; their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.04	0.02	0.00
2920	Esters of other inorganic acids (excluding esters of hydrogen halides) and their salts; their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.02	0.02	0.00
2921	Amine-function compounds.	0.26	0.50	0.49
2922	Oxygen-function amino-compounds.	0.13	0.17	0.93
2925	Carboxyimide-function compounds (including saccharin and its salts) and imine-function compounds.	0.04	0.05	0.19
2926	Nitrile-function compounds.	0.00	0.11	0.01
2927	Diazo-, azo or azoxy-compounds.	0.10	0.05	0.01

HS4	Description	1990	1994	2001
2928	Organic derivatives of hydrazine or of hydroxylamine.	0.01	0.01	0.01
2929	Compounds with other nitrogen function.	0.23	0.16	1.06
2930	Organo-sulphur compounds.	0.68	0.53	0.14
2931	Other organo-inorganic compounds.	0.31	0.02	0.01
2932	Heterocyclic compounds with oxygen hetero-atom(s) only.	2.98	1.25	1.39
2934	Nucleic acids and their salts; other heterocyclic compounds	0.53	0.55	0.34
2942	Other organic compounds.	0.16	0.05	0.05
3201	Tanning extracts of vegetable origin; tannins and their salts, ethers, esters and other derivatives.	7.49	4.14	1.69
3202	Synthetic organic tanning substances; inorganic tanning substances; tanning preparations, whether or not containing natural tanning substances; enzymatic preparations for pre-tanning.	0.09	0.58	1.93
3203	Colouring matter of vegetable or animal origin (including dyeing extracts but excluding animal black), whether or not chemically defined; preparations as specified in note 3 to this chapter based on colouring matter of vegetable or animal origin.	0.01	0.02	0.02
3204	Synthetic organic colouring matter, whether or not chemically defined; preparations as specified in note 3 to this chapter based on synthetic organic colouring matter; synthetic organic products of a kind used as fluorescent brighten illuminophores, whether or not chemically defined	1.93	1.24	0.53
3205	Colour lakes; preparations as specified in note 3 to this chapter based on colour lakes	0.01	0.01	0.00
3206	Other colouring matter; preparations as specified in note 3 to this chapter, (excluding those of heading no. 32.03, 32.04 or 32.05); inorganic products of a kind used as luminophores, whether or not chemically defined.	0.35	1.75	2.01
3507	Enzymes; prepared enzymes not elsewhere specified or included.	0.91	0.45	0.71
3803	Tall oil, whether or not refined.	0.03	0.01	0.02
3805	Gum, wood or sulphate turpentine and other terpenic oils produced by the distillation or other treatment of coniferous woods; crude dipentene; sulphite turpentine and other crude para-cymene; pine oil containing alpha- terpineol as the main constituent.	0.04	0.03	0.04
3806	Rosin and resin acids, and derivatives thereof; rosin spirit and rosin oils; run gums.	0.02	0.14	0.09

HS4	Description	1990	1994	2001
3807	Wood tar; wood tar oils; wood creosote; wood naphtha; vegetable pitch; brewers' pitch and similar preparations based on rosin, resin acids or on vegetable pitch.	0.05	0.00	0.01
	Fertilisers and nitrogen compounds (ISIC 3342)	100.00	100.00	100.00
2808	Nitric acid; sulphonitric acids.	0.52	0.08	0.78
2814	Ammonia, anhydrous or in aqueous solution	18.39	4.50	2.61
2827	Chlorides, chloride oxides and chloride hydroxides; bromides and bromide oxides; iodides and iodide oxides.	5.71	54.74	0.94
2834	Nitrites; nitrates.	5.09	0.73	1.90
2836	Carbonates; peroxocarbonates (percarbonates); commercial ammonium carbonate containing ammonium carbamate.	4.01	0.79	0.75
3101	Animal or vegetable fertilisers, whether or not mixed together or chemically treated; fertilisers produced by the mixing or chemical treatment of animal or vegetable products.	1.92	0.33	0.53
3102	Mineral or chemical fertilisers, nitrogenous	23.73	17.67	28.16
3103	Mineral or chemical fertilisers, phosphatic.	5.73	2.02	20.01
3105	Mineral or chemical fertilisers containing two or three of the fertilising elements nitrogen, phosphorus and potassium; other fertilisers; goods of this chapter in tablets or similar forms or in packages of a gross weight not exceeding 10 kg.	34.90	19.14	44.32
	Plastics in primary form (ISIC 3343)	100.00	100.00	100.00
3901	Polymers of ethylene, in primary forms.	45.90	30.10	13.16
3902	Polymers of propylene or of other olefins, in primary forms.	3.09	39.77	40.90
3903	Polymers of styrene, in primary forms.	4.63	1.22	1.50

HS4	Description	1990	1994	2001
3904	Polymers of vinyl chloride or of other halogenated olefins, in primary forms.	16.84	5.87	14.47
3905	Polymers of vinyl acetate or of other vinyl esters, in primary forms; other vinyl polymers in primary forms.	3.14	2.00	1.17
3906	Acrylic polymers in primary forms.	1.90	2.45	2.47
3907	Polyacetals, other polyethers and epoxide resins, in primary forms; polycarbonates, alkyd resins, polyallyl esters and other polyesters, in primary forms.	6.41	11.09	20.45
3908	Polyamides in primary forms.	0.75	0.92	0.37
3909	Amino-resins, phenolic resins and polyurethanes, in primary forms.	7.90	2.49	3.77
3910	Silicones in primary forms.	0.83	0.58	0.22
3911	Petroleum resins, coumarone-indene resins, polyterpenes, polysulphides, polysulphones and other products specified in note 3 to this chapter, not elsewhere specified or included, in primary forms.	2.80	0.45	0.60
3912	Cellulose and its chemical derivatives, not elsewhere specified or included, in primary forms.	4.30	1.79	0.76
3913	Natural polymers (for example, alginic acid) and modified natural polymers (for example, hardened proteins, chemical derivatives of natural rubber), not elsewhere specified or included, in primary forms.	1.22	0.94	0.15
3914	Ion-exchangers based on polymers of headings nos.39.01 to 39.13, in primary forms.	0.28	0.34	0.04
	Pesticides and other agro-chemical products (ISIC 3351)	100.00	100.00	100.00
3808	Insecticides, rodenticides, fungicides, herbicides, anti-sprouting products and plant-growth regulators, disinfectants and similar products	100.00	100.00	100.00

HS4	Description	1990	1994	2001
	Paints, varnishes, printing ink and mastics (ISIC 3352)	100.00	100.00	100.00
3207	Prepared pigments, prepared pacifiers & prepared colours, vitrifiable enamels and glazes, engobes (slips), liquid lustres and similar preparations, of a kind used in ceramic, enamelling or glass industry; glass frit and other glass, powder, granules or flakes	12.81	15.44	3.03
3208	Paints and varnishes (including enamels and lacquers) based on synthetic polymers or chemically modified natural polymers, dispersed or dissolved in a non-aqueous medium; solutions as defined in note 4 to this chapter.	26.85	37.86	10.84
3209	Paints and varnishes (including enamels and lacquers) based on synthetic polymers or chemically modified natural polymers, dispersed or dissolved in an aqueous medium.	9.95	10.87	8.34
3210	Other paints and varnishes (including enamels, lacquers and distempers); pre- pared water pigments of a kind used for finishing leather.	6.24	3.24	1.61
3211	Prepared driers.	1.14	5.32	1.81
3212	Pigments (including metallic powders and flakes) dispersed in non-aqueous media, in liquid or paste form, of a kind used in the manufacture of paints (including enamels); stamping foils; dyes and other colouring matter put up in forms or packing for retail sale	8.12	4.98	7.08
3213	Artists', students' or signboard painters' colours, modifying tints, amusement colours and the like, in tablets, tubes, jars, bottles, pans or in similar forms or packing	0.02	0.19	0.22
3214	Glaziers' putty, grafting putty, resin cements, caulking compounds and other mastics; painters' fillings; non- refractory surfacing preparations for facades, indoor walls, floors, ceilings or the like.	6.74	8.35	2.23
3215	Printing ink, writing or drawing ink and other inks, whether or not concentrated or solid.	5.26	7.55	16.39
3814	Organic composite solvents and thinners, not elsewhere specified or included; prepared paint or varnish removers.	22.86	6.18	48.46
	Pharmaceuticals, medicinal chemicals, etc. (ISIC 3353)	100.00	100.00	100.00
2923	Quaternary ammonium salts and hydroxides; lecithins and other phosphoaminolipids.	0.25	0.36	0.27
2924	Carboxymide-function compounds; amide- function compounds of carbonic acid.	0.88	9.39	1.42

HS4	Description	1990	1994	2001
2933	Heterocyclic compounds with nitrogen hetero-atom(s) only	13.06	14.78	10.88
2935	Sulphonamides.	2.79	0.85	1.07
2936	Provitamins and vitamins, natural or reproduced by synthesis (including natural concentrates), derivatives thereof used primarily as vitamins, and intermixtures of the foregoing, whether or not in any solvent.	0.76	1.73	6.94
2937	Hormones, natural or reproduced by synthesis; derivatives thereof, used primarily as hormones; other steroids used primarily as hormones.	0.61	0.21	0.05
2938	Glycosides, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives.	0.01	0.02	0.03
2939	Vegetable alkaloids, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives.	2.51	3.33	2.45
2940	Sugars, chemically pure (excluding sucrose, lactose, maltose, glucose and fructose); sugar ethers and sugar esters, and their salts (excluding products of heading no.29.37, 29.38 or 29.39).	0.05	0.10	0.14
2941	Antibiotics.	0.11	0.45	0.78
3001	Glands and other organs for organo- therapeutic uses, dried, whether or not powdered; extracts of glands or other organs or of their secretions for organo- therapeutic uses; heparin and its salts; other human or animal substances for therapeutic uses	0.01	0.59	0.13
3002	Human blood; animal blood prepared for therapeutic, prophylactic or diagnostic uses; antisera and other blood fractions; and modified immunological products, whether or not obtained by means of biotechnological processes; vaccines, toxins, cultures of micro-organisms (excl. yeasts) and similar products.	13.99	11.90	11.40
3003	Medicaments (excluding goods of heading no.30.02, 30.05 or 30.06) consisting of two or more constituents which have been mixed together for therapeutic or prophylactic uses, not put up in measured doses or in forms or packing for retail sale.	4.91	13.23	4.21
3004	Medicaments (excluding goods of heading no.30.02, 30.05 or 30.06) consisting of mixed or unmixed products for therapeutic or prophylactic uses, put up in measured doses or in forms or packing for retail sale.	16.82	30.81	43.87
3005	Wadding, gauze, bandages and similar articles (for example, dressings, adhesive plasters, poultices), impregnated or coated with pharmaceutical substances or put up in forms or packing for retail sale for medical, surgical, etc.	38.65	5.09	9.79
3006	Pharmaceutical goods specified in note 4 to this chapter.	4.58	7.17	6.55

HS4	Description	1990	1994	2001
	Soap, detergents, cleaning & polishing, perfumes, etc. (ISIC 3354)	100.00	100.00	100.00
1520	Glycerol, crude; glycerol waters and lyes	5.20	2.16	0.96
3303	Perfumes and toilet waters.	1.00	0.36	1.94
3304	Beauty or make-up preparations and preparations for the care of the skin (other than medicaments), including sunscreen or sun tan preparations; manicure or pedicure preparations.	6.81	2.26	13.98
3305	Preparations for use on the hair.	8.07	1.51	11.07
3306	Preparations for oral or dental hygiene, including denture fixative pastes and powders; yarn used to clean between the teeth (dental floss), in individual retail packings	6.78	2.44	13.37
3307	Pre-shave, shaving or after-shave preparations, personal deodorants, bath preparations, depilatories and other perfumery, cosmetic or toilet preparations, n.e.s. or included; prepared room deodorisers, whether or not perfumed or having properties	14.05	6.62	9.81
3401	Soap; organic surface-active products and preparations for use as soap, in the form of bars, cakes, moulded pieces or shapes, whether or not containing soap; paper, wadding, felt and non-woven, impregnated, coated or covered with soap or detergent	31.78	75.03	29.54
3402	Organic surface-active agents (excluding soap); surface-active preparations, washing preparations (including auxiliary washing preparations) and cleaning preparations, whether or not containing soap, (excluding those of heading no. 34.01):	17.98	7.62	13.70
3404	Artificial waxes and prepared waxes.	5.47	1.39	3.09
3405	Polishes & creams, for footwear, furniture, floors, coachwork, glass or metal, scouring pastes & powders & similar preparations (whether or not in the form of paper, wadding, felt, non-woven, cellular plastics or cellular rubber, import covered with such preparations), (excl. waxes of heading no. 34.04).	2.85	0.61	2.56
	Other chemical products, nec. (ISIC 3359)	100.00	100.00	100.00
3301	Essential oils (terpeneless or not), including concretes and absolutes; resinoids; concentrates of essential oils in fats, in fixed oils, in waxes or the like, obtained by enfleurage or maceration terpenic by-products of the deterpenation of essential oils; aqueous distillates and aqueous solutions of essential oils	4.27	3.61	7.17
3302	Mixtures of odoriferous substances and mixtures (including alcoholic solutions) with a basis of one or more of these substances, of	1.68	3.09	3.79

HS4	Description	1990	1994	2001
	a kind used as raw materials in industry; other preparations based on odoriferous substances, of a kind used for the manufacturing			
3403	Lubricating preparations (including cutting-oil preparations, bolt or nut release preparations, anti-rust or anti-corrosion preparations and mould release preparations, based on lubricants) and preparations of a kind used for the oil or grease treatment of textile materials, leather, furskins or other materials, but excluding preparations containing as basic constituents, 70 per cent or more by mass of petroleum oils or oils obtained from bituminous minerals	1.30	2.21	1.97
3407	Modelling pastes, including those put up for children's amusement; preparations known as "dental wax" or as "dental impression compounds", put up in sets, in packings for retail sale or in plates, horseshoe shapes, sticks or similar forms; other preparations for use in dentistry, with a basis of plaster (of calcined gypsum or calcium sulphate):	0.01	0.04	0.12
3503	Gelatin (including gelatin in rectangular (including square) sheets, whether or not surface-worked or coloured) and gelatin derivatives; isinglass; other glues of animal origin, excluding casein glues of heading no.35.01.	1.33	1.22	0.95
3504	Peptones and their derivatives; other protein substances and their derivatives, not elsewhere specified or included; hide powder, whether or not chromed.	0.00	0.06	0.04
3506	Prepared glues and other prepared adhesives, not elsewhere specified or included; products suitable for use as glues or adhesives, put up for retail sale as glues or adhesives, not exceeding a net mass of 1 kg.	2.15	2.17	1.91
3601	Propellent powders.	0.15	1.03	2.35
3602	Prepared explosives, (excluding propellent powders)	14.29	6.20	6.92
3603	Safety fuses; detonating fuses; percussion or detonating caps; igniters; electric detonators.	16.34	11.65	7.48
3604	Fireworks, signalling flares, rain rockets, fog signals and other pyrotechnic articles.	0.11	0.15	0.68
3701	Photographic plates and film in the flat, sensitised, unexposed, of any material (excluding paper, paperboard or textiles); instant print film in the flat, sensitised, unexposed, whether or not in packs.	1.40	3.37	0.84
3702	Photographic film in rolls, sensitised, unexposed, of any material (excluding paper, paperboard or textiles); instant print film in rolls, sensitised, unexposed.	0.89	1.66	3.50
3703	Photographic paper, paperboard and textiles, sensitised, unexposed.	0.26	1.99	1.06
3707	Chemical preparations for photographic uses (excluding varnishes, glues, adhesives and similar preparations); unmixed products for photographic uses, put up in measured portions or put up for retail sale in a form ready for use.	1.17	1.32	1.23
3802	Activated carbon; activated natural mineral products; animal black, including spent animal black.	0.92	3.47	1.46

HS4	Description	1990	1994	2001
3809	Finishing agents, dye carriers to accelerate the dyeing or fixing of dyestuffs and other products and preparations (for example, dressings and mordants), of a kind used in the textile, paper, leather or like industries, not elsewhere specified or included	2.57	2.33	3.47
3810	Pickling preparations for metal surfaces; fluxes and other auxiliary preparations for soldering, brazing or welding; soldering, brazing or welding powders and pastes consisting of metal and other materials; preparations of a kind used as cores or coatings for welding electrodes or rods	0.97	0.60	0.85
3811	Anti-knock preparations, oxidation inhibitors, gum inhibitors, viscosity improvers, anti-corrosive preparations and other prepared additives, for mineral oils (including gasoline) or for other liquids used for the same purposes as mineral oils	12.79	10.65	6.47
3812	Prepared rubber accelerators; compound plasticisers for rubber or plastics, n.e.s anti-oxidising preparations and other compound stabilisers for rubber or plastics.	1.01	1.65	3.26
3813	Preparations and charges for fire- extinguishers; charged fire-extinguishing grenades.	0.11	0.42	0.08
3815	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included.	11.63	4.36	14.91
3817	Mixed alkylbenzenes and mixed alkylnaphthalenes, (excluding those of heading no. 27.07 or 29.02).	0.00	0.06	0.26
3818	Chemical elements doped for use in electronics, in the form of discs, wafers or similar forms; chemical compounds doped for use in electronics.	0.27	0.60	0.22
3819	Hydraulic brake fluids and other prepared liquids for hydraulic transmission, not containing or containing less than 70 % by mass of petroleum oils or oils obtained from bituminous minerals.	1.05	1.87	0.42
3820	Anti-freezing preparations and prepared de-icing fluids.	0.02	0.09	0.25
3821	Prepared culture media for development of micro-organisms.	0.03	0.04	0.01
3822	Diagnostic or laboratory reagents on a backing and prepared diagnostic or laboratory reagents whether or not on a backing (excluding those of heading no.30.02 or 30.06)	0.63	1.76	11.50
3823	Industrial monocarboxylic fatty acids; acid oils from refining; industrial fatty alcohols	21.52	30.46	1.22
3824	Prepared binders for foundry moulds or cores; chemical products and preparations of the chemical products or allied industries (including those consisting of mixtures of natural products), not elsewhere specified or included; residual products of the chemical or allied industries, not elsewhere specified or included:	-	-	14.17
8523	Prepared unrecorded media for sound recording or similar recording of other phenomena (excluding products of chapter 37)	1.10	1.87	1.43

HS4	Description	1990	1994	2001
	Man-made fibres (ISIC 3360)	100.00	100.00	100.00
5402	Synthetic filament yarn (excluding sewing thread), not put up for retail sale, including synthetic monofilament of less than 67 decitex.	90.68	59.33	77.19
5403	Artificial filament yarn (excluding sewing thread), not put up for retail sale, including artificial monofilament of less than 67 decitex.	0.04	0.56	0.05
5404	Synthetic monofilament of 67 decitex or more and of which no cross-sectional dimension exceeds 1 mm; strip and the like (for example, artificial straw) of synthetic textile materials of an apparent width not exceeding 5 mm.	1.66	0.36	0.04
5405	Artificial monofilament of 67 decitex or more and of which no cross-sectional dimension exceeds 1 mm; strip and the like (for example, artificial straw) of artificial textile materials of an apparent width not exceeding 5 mm.	0.07	0.01	0.00
5406	Man-made filament yarn (excluding sewing thread), put up for retail sale.	-	-	0.00
5501	Synthetic filament tow.	0.05	0.73	2.95
5502	Artificial filament tow.	-	0.35	0.10
5503	Synthetic staple fibres, not carded, combed or otherwise processed for spinning.	7.38	38.66	19.65
5504	Artificial staple fibres, not carded, combed or otherwise processed for spinning.	0.13	-	0.01
	Tyres & tubes of rubber, retreading & rebuilding of tyres (ISIC 3371)	100.00	100.00	100.00
4006	Other forms (for example, rods, tubes and profile shapes) and articles (for example, discs and rings), of vulcanised rubber.	2.28	0.34	0.48
4011	New pneumatic tyres, of rubber.	89.17	94.48	96.95
4012	Retreaded or used pneumatic tyres of rubber; solid or cushion tyres, interchangeable tyre treads and tyre flaps, of rubber.	3.63	1.34	1.61
4013	Inner tubes, of rubber.	4.92	3.84	0.96

HS4	Description	1990	1994	2001
	Other rubber products (ISIC 3379)	100.00	100.00	100.00
4003	Reclaimed rubber in primary forms or in plates, sheets or strip.	5.23	3.27	0.58
4005	Compounded rubber, unvulcanised, in primary forms or in plates, sheets or strip.	2.01	3.03	7.32
4007	Vulcanised rubber thread and cord.	7.20	1.54	0.73
4008	Plates, sheets, strip and profile shapes, of vulcanised rubber (excluding hard rubber).	5.29	12.33	5.93
4009	Tubes, pipes and hoses, of vulcanised rubber (excluding hard rubber), with or without their fittings (for example, joints, elbows, flanges).	16.42	12.56	26.26
4010	Conveyor or transmission belts or belting, of vulcanised rubber.	13.63	21.36	18.24
4014	Hygienic or pharmaceutical articles (including teats), of vulcanised rubber (excluding hard rubber), with or without fittings of hard rubber.	2.14	2.30	0.80
4015	Articles of apparel and clothing accessories (including gloves), for all purposes, of vulcanised rubber (excluding hard rubber).	9.91	4.20	2.07
4016	Other articles of vulcanised rubber (excluding hard rubber).	33.43	31.67	36.29
4017	Hard rubber (for example, ebonite) in all forms, including waste and scrap; articles of hard rubber.	1.67	0.75	0.30
5906	Rubberised textile fabrics, (excluding those of heading no. 59.02):	3.08	6.99	1.47
	Plastic products (ISIC 3380)	100.00	100.00	100.00
3916	Monofilament of which any cross-sectional dimension exceeds 1 mm, rods, sticks and profile shapes, whether or not surface-worked but not otherwise worked, of plastics.	0.81	0.88	0.79
3917	Tubes, pipes and hoses, and fittings therefore (for example, joints, elbows, flanges), of plastics.	8.56	6.54	8.79
3918	Floor coverings of plastics, whether or not self-adhesive, in rolls or in the form of tiles; wall or ceiling coverings of plastics, as defined in note 9 to this chapter.	4.66	2.38	1.38

HS4	Description	1990	1994	2001
3919	Self-adhesive plates, sheets, film, foil, tape, strip and other flat shapes, of plastics, whether or not in rolls.	2.40	2.67	1.71
3920	Other plates, sheets, film, foil and strip, of plastics, non-cellular and not reinforced, laminated, supported or similarly combined with other materials.	8.42	11.94	7.89
3921	Other plates, sheets, film, foil and strip, of plastics.	9.52	6.35	8.71
3922	Baths, shower-baths, wash-basins, bidets, lavatory pans, seats and covers, flushing cisterns and similar sanitary ware, of plastics.	4.22	9.90	11.19
3923	Articles for the conveyance or packing of goods, of plastics; stoppers, lids, caps and other closures, of plastics.	27.88	32.02	32.98
3924	Tableware, kitchenware, other household articles and toilet articles, of plastics.	4.28	5.24	3.76
3925	Builders' ware of plastics, not elsewhere specified or included.	1.07	2.34	4.89
3926	Other articles of plastics and articles of other materials of headings nos. 39.01 to 39.14.	27.13	18.30	16.92
6506	Other headgear, whether or not lined or trimmed.	1.05	1.43	1.00

Annexure 8: Imports

ISIC 4 Digit level & HS 4 Digit level

HS4	Description	1990	1994	2001
	Coke oven products (ISIC 3310)	100.00	100.00	100.00
2704	Coke and semi-coke of coal, of lignite or of peat, whether or not agglomerated; retort carbon.	17.03	97.72	99.87
2706	Tar distilled from coal, from lignite or from peat, and other mineral tars, whether or not dehydrated or partially distilled, including reconstituted tars.	82.97	2.28	0.13
	Petroleum refineries & synthesisers (ISIC 3320)	100.00	100.00	100.00
2710	Petroleum oils and oils obtained from bituminous minerals, other than crude; preparations not elsewhere specified or included, containing by mass 70 per cent or more of petroleum oils or of oils obtained from bituminous minerals, these oils being the basic constituents of the preparations *** schedule 1 part 2a : 105.10/2710 *** (included in duty at specified rate)	-	-	82.82
2712	Petroleum jelly; paraffin wax, micro-crystalline petroleum wax, slack wax, ozokerite, lignite wax, peat wax, other mineral waxes, and similar products obtained by synthesis or by other processes, whether or not coloured.	67.88	60.43	5.11
2713	Petroleum coke, petroleum bitumen and other residues of petroleum oils or of oils obtained from bituminous minerals.	32.12	39.57	12.07
	Basic chemicals (ISIC 3341)	100.00	100.00	100.00
1519	Industrial monocarboxylic fatty acids; acid oils from refining; industrial fatty alcohols	1.05	2.28	-
2707	Oils and other products of the distillation of high temperature coal tar; similar products in which the mass the aromatic constituents exceeds that of the non-aromatic constituents.	-	-	0.14
2708	Pitch and pitch coke, obtained from coal tar or from other mineral tars.	0.71	0.02	1.48
2801	Fluorine, chlorine, bromine and iodine.	0.04	0.03	0.07

HS4	Description	1990	1994	2001
2802	Sulphur, sublimed or precipitated; colloidal sulphur.	0.03	0.38	0.01
2803	Carbon (carbon blacks and other forms of carbon not elsewhere specified or included).	0.33	0.42	0.26
2804	Hydrogen, rare gases and other non-metals.	0.31	0.65	0.82
2805	Alkali or alkaline-earth metals; rare- earth metals, scandium and yttrium, whether or not intermixed or interalloyed; mercury.	0.18	0.10	0.08
2806	Hydrogen chloride (hydrochloric acid); chlorosulphuric acid.	0.01	0.01	0.02
2807	Sulphuric acid; oleum.	0.00	0.00	0.02
2809	Diphosphorus pentaoxide; phosphoric acid and polyphosphoric acids.	0.15	0.03	0.11
2810	Oxides of boron; boric acids.	0.08	0.08	0.14
2811	Other inorganic acids and other inorganic oxygen compounds of non-metals.	1.29	1.32	1.45
2812	Halides and halide oxides of non-metals.	0.10	0.04	0.09
2813	Sulphides of non-metals; commercial phosphorus trisulphide.	0.05	0.11	0.23
2815	Sodium hydroxide (caustic soda); potassium hydroxide (caustic potash); peroxides of sodium or potassium.	0.83	0.68	2.72
2816	Hydroxide and peroxide of magnesium; oxides, hydroxides and peroxides, of strontium or barium.	0.02	0.02	0.06
2817	Zinc oxide; zinc peroxide.	0.06	0.06	0.04
2819	Chromium oxides and hydroxides.	0.20	0.19	0.33
2820	Manganese oxides.	0.95	0.46	0.03
2821	Iron oxides and hydroxides; earth colours containing 70 % or more by mass of combined iron evaluated as Fe_2O_3 .	1.41	1.18	0.92
2822	Cobalt oxides and hydroxides; commercial cobalt oxides.	0.01	0.04	0.03
2823	Titanium oxides.	0.25	0.27	0.33

HS4	Description	1990	1994	2001
2824	Lead oxides; red lead and orange lead.	0.04	0.05	0.05
2825	Hydrazine and hydroxylamine and their inorganic salts; other inorganic bases; other metal oxides, hydroxides and peroxides.	0.62	1.14	2.07
2826	Fluorides; fluorosilicates, fluoroaluminates and other complex fluorine salts.	1.84	0.83	0.81
2828	Hypochlorites; commercial calcium hypochlorite; chlorites; hypobromites.	0.08	0.04	0.05
2829	Chlorates and perchlorates; bromates and perbromates; iodates and periodates.	0.31	0.33	0.52
2830	Sulphides; polysulphides.	0.41	0.19	0.26
2831	Dithionites and sulphyoxylates.	0.65	0.42	0.14
2832	Sulphites; thiosulphates.	0.54	0.38	0.88
2833	Sulphates; alums; peroxosulphates (persulphates).	0.58	0.46	0.49
2835	Phosphinates (hypophosphites), phosphonates (phosphites), phosphates and polyphosphates.	1.87	1.70	1.51
2837	Cyanides, cyanide oxides and complex cyanides.	0.32	0.39	0.21
2838	Fulminates, cyanates and thiocyanates.	0.04	0.30	0.15
2839	Silicates; commercial alkali metal silicates.	0.21	0.33	0.48
2840	Borates; peroxoborates (perborates).	0.55	0.31	0.38
2841	Salts of oxometallic or peroxometallic acids.	0.36	0.78	0.27
2842	Other salts of inorganic acids or peroxyacids (excluding azides).	0.05	0.04	0.14
2843	Colloidal precious metals; inorganic or organic compounds of precious metals, whether or not chemically defined; amalgams of precious metals.	0.02	0.44	1.22
2844	Radioactive chemical elements and radioactive isotopes (including the fissile or fertile chemical elements and isotopes) and their compounds; mixtures and residues containing these products	0.97	0.84	0.36

HS4	Description	1990	1994	2001
2845	Isotopes (excluding those of heading no. 28.44); compounds, inorganic or organic, of such isotopes, whether or not chemically defined.	0.04	0.02	0.00
2846	Compounds, inorganic or organic, of rare-earth metals, of yttrium or of scandium or of mixtures of these metals.	0.03	0.20	0.62
2847	Hydrogen peroxide, whether or not solidified with urea.	0.16	0.10	0.18
2848	Phosphides, whether or not chemically defined (excluding ferrophosphorus)	0.13	0.00	0.01
2849	Carbides, whether or not chemically defined.	0.73	0.69	1.48
2850	Hydrides, nitrides, azides, silicides and borides, whether or not chemically defined (excluding compounds which are also carbides of heading no.28.49)	0.20	0.12	0.13
2851	Other inorganic compounds (including distilled or conductivity water and water of similar purity); liquid air (whether or not rare gases have been removed); compressed air; amalgams, (excluding amalgams of precious metals).	0.11	0.03	0.02
2901	Acyclic hydrocarbons.	1.88	1.76	2.78
2902	Cyclic hydrocarbons.	5.41	3.20	3.35
2903	Halogenated derivatives of hydrocarbons.	2.40	2.56	2.74
2904	Sulphonated, nitrated or nitrosated derivatives of hydrocarbons, whether or not halogenated.	0.29	0.51	0.18
2905	Acyclic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives.	6.87	6.80	6.65
2906	Cyclic alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.29	0.15	0.17
2907	Phenols; phenol-alcohols.	1.01	1.38	0.78
2908	Halogenated, sulphonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols.	0.34	0.35	0.23
2909	Ethers, ether-alcohols, ether-phenols, ether-alcohol-phenols, alcohol peroxides, ether peroxides, ketone peroxides (whether or not chemically defined), and their halogenated, sulphonated, nitrated or nitrosated derivatives.	1.43	1.23	1.51
2910	Epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring, and their halogenated, sulphonated, nitrated or nitrosated derivatives.	1.66	1.73	0.69

HS4	Description	1990	1994	2001
2911	Acetals and hemiacetals, whether or not with other oxygen function, and their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.01	0.01	0.10
2912	Aldehydes, whether or not with other oxygen function; cyclic polymers of aldehydes; paraformaldehyde.	0.55	0.65	0.48
2913	Halogenated, sulphonated, nitrated or nitrosated derivatives of products of heading no.29.12.	0.01	0.03	0.01
2914	Ketones and quinones, whether or not with other oxygen function, and their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.47	0.44	0.62
2915	Saturated acyclic monocarboxylic acids and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives.	3.24	3.01	3.64
2916	Unsaturated acyclic monocarboxylic acids, cyclic monocarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives.	5.22	3.97	4.80
2917	Polycarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives.	6.85	7.20	7.01
2918	Carboxylic acids with additional oxygen function and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives.	2.81	2.23	2.52
2919	Phosphoric esters and their salts, including lactophosphates; their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.60	0.62	0.49
2920	Esters of other inorganic acids (excluding esters of hydrogen halides) and their salts; their halogenated, sulphonated, nitrated or nitrosated derivatives.	0.41	0.53	0.24
2921	Amine-function compounds.	3.38	3.59	2.21
2922	Oxygen-function amino-compounds.	3.73	3.50	4.49
2925	Carboxyimide-function compounds (including saccharin and its salts) and imine-function compounds.	0.83	1.04	0.84
2926	Nitrile-function compounds.	0.99	2.56	1.79
2927	Diazo-, azo or azoxy-compounds.	0.19	0.16	0.14
2928	Organic derivatives of hydrazine or of hydroxylamine.	0.07	0.20	0.11

HS4	Description	1990	1994	2001
2929	Compounds with other nitrogen function.	4.36	4.25	4.17
2930	Organo-sulphur compounds.	2.99	3.84	3.55
2931	Other organo-inorganic compounds.	2.43	2.39	4.08
2932	Heterocyclic compounds with oxygen hetero-atom(s) only.	0.82	1.40	0.76
2934	Nucleic acids and their salts; other heterocyclic compounds	3.24	2.75	1.66
2942	Other organic compounds.	0.22	0.16	0.09
3201	Tanning extracts of vegetable origin; tannins and their salts, ethers, esters and other derivatives.	0.02	0.05	0.11
3202	Synthetic organic tanning substances; inorganic tanning substances; tanning preparations, whether or not containing natural tanning substances; enzymatic preparations for pre-tanning.	0.37	0.34	0.54
3203	Colouring matter of vegetable or animal origin (including dyeing extracts but excluding animal black), whether or not chemically defined; preparations as specified in note 3 to this chapter based on colouring matter of vegetable or animal origin.	0.11	0.23	0.23
3204	Synthetic organic colouring matter, whether or not chemically defined; preparations as specified in note 3 to this chapter based on synthetic organic colouring matter; synthetic organic products of a kind used as fluorescent brighten illuminophores, whether or not chemically defined	12.34	11.71	8.29
3205	Colour lakes; preparations as specified in note 3 to this chapter based on colour lakes	0.09	0.09	0.22
3206	Other colouring matter; preparations as specified in note 3 to this chapter, (excluding those of heading no. 32.03, 32.04 or 32.05); inorganic products of a kind used as luminophores, whether or not chemically defined.	1.84	3.15	3.77
3507	Enzymes; prepared enzymes not elsewhere specified or included.	0.69	1.07	1.39
3803	Tall oil, whether or not refined.	0.06	0.04	0.14
3805	Gum, wood or sulphate turpentine and other terpenic oils produced by the distillation or other treatment of coniferous woods; crude dipentene; sulphite turpentine and other crude paracymene; pine oil containing alpha- terpineol as the main constituent.	0.16	0.12	0.13
3806	Rosin and resin acids, and derivatives thereof; rosin spirit and rosin oils; run gums.	0.38	0.48	0.45

HS4	Description	1990	1994	2001
3807	Wood tar; wood tar oils; wood creosote; wood naphtha; vegetable pitch; brewers' pitch and similar preparations based on rosin, resin acids or on vegetable pitch.	0.03	0.03	0.01
	Fertilisers and nitrogen compounds (ISIC 3342)	100.00	100.00	100.00
2808	Nitric acid; sulphonitric acids.	0.04	0.05	0.05
2814	Ammonia, anhydrous or in aqueous solution	17.32	4.82	2.81
2827	Chlorides, chloride oxides and chloride hydroxides; bromides and bromide oxides; iodides and iodide oxides.	9.51	11.61	5.52
2834	Nitrites; nitrates.	5.78	14.53	12.84
2836	Carbonates; peroxocarbonates (percarbonates); commercial ammonium carbonate containing ammonium carbamate.	60.84	36.03	17.61
3101	Animal or vegetable fertilisers, whether or not mixed together or chemically treated; fertilisers produced by the mixing or chemical treatment of animal or vegetable products.	0.17	0.87	0.38
3102	Mineral or chemical fertilisers, nitrogenous	5.33	22.90	51.73
3103	Mineral or chemical fertilisers, phosphatic.	0.37	4.08	0.08
3105	Mineral or chemical fertilisers containing two or three of the fertilising elements nitrogen, phosphorus and potassium; other fertilisers; goods of this chapter in tablets or similar forms or in packages of a gross weight not exceeding 10 kg.	0.63	5.10	8.97
	Plastics in primary form (ISIC 3343)	100.00	100.00	100.00
3901	Polymers of ethylene, in primary forms.	11.76	13.44	16.77
3902	Polymers of propylene or of other olefins, in primary forms.	0.44	2.34	2.89
3903	Polymers of styrene, in primary forms.	12.37	12.65	11.87
3904	Polymers of vinyl chloride or of other halogenated olefins, in primary forms.	6.99	8.33	4.51

HS4	Description	1990	1994	2001
3905	Polymers of vinyl acetate or of other vinyl esters, in primary forms; other vinyl polymers in primary forms.	2.13	3.44	3.49
3906	Acrylic polymers in primary forms.	6.29	9.22	9.87
3907	Polyacetals, other polyethers and epoxide resins, in primary forms; polycarbonates, alkyd resins, polyallyl esters and other polyesters, in primary forms.	12.63	15.61	18.93
3908	Polyamides in primary forms.	22.93	15.03	10.56
3909	Amino-resins, phenolic resins and polyurethanes, in primary forms.	8.30	8.15	10.08
3910	Silicones in primary forms.	5.38	3.15	2.61
3911	Petroleum resins, coumarone-indene resins, polyterpenes, polysulphides, polysulphones and other products specified in note 3 to this chapter, not elsewhere specified or included, in primary forms.	2.19	2.78	2.18
3912	Cellulose and its chemical derivatives, not elsewhere specified or included, in primary forms.	5.58	3.84	4.62
3913	Natural polymers (for example, alginic acid) and modified natural polymers (for example, hardened proteins, chemical derivatives of natural rubber), not elsewhere specified or included, in primary forms.	1.75	0.63	0.55
3914	Ion-exchangers based on polymers of headings nos.39.01 to 39.13, in primary forms.	1.26	1.39	1.07
	Pesticides and other agro-chemical products (ISIC 3351)	100.00	100.00	100.00
3808	Insecticides, rodenticides, fungicides, herbicides, anti-sprouting products and plant-growth regulators, disinfectants and similar products	100.00	100.00	100.00
	Paints, varnishes, printing ink and mastics (ISIC 3352)	100.00	100.00	100.00
3207	Prepared pigments, prepared pacifiers & prepared colours, vitrifiable enamels and glazes, engobes (slips), liquid lustres and similar preparations, of a kind used in ceramic, enamelling or glass industry; glass frit and other glass, powder, granules or flakes	11.21	17.77	12.05

HS4	Description	1990	1994	2001
3208	Paints and varnishes (including enamels and lacquers) based on synthetic polymers or chemically modified natural polymers, dispersed or dissolved in a non-aqueous medium; solutions as defined in note 4 to this chapter.	18.24	17.70	19.03
3209	Paints and varnishes (including enamels and lacquers) based on synthetic polymers or chemically modified natural polymers, dispersed or dissolved in an aqueous medium.	15.23	6.93	9.21
3210	Other paints and varnishes (including enamels, lacquers and distempers); pre- pared water pigments of a kind used for finishing leather.	4.24	3.57	5.23
3211	Prepared driers.	0.18	0.26	0.48
3212	Pigments (including metallic powders and flakes) dispersed in non-aqueous media, in liquid or paste form, of a kind used in the manufacture of paints (including enamels); stamping foils; dyes and other colouring matter put up in forms or packing for retail sale.	11.90	9.90	12.25
3213	Artists', students' or signboard painters' colours, modifying tints, amusement colours and the like, in tablets, tubes, jars, bottles, pans or in similar forms or packing	2.46	1.56	1.24
3214	Glaziers' putty, grafting putty, resin cements, caulking compounds and other mastics; painters' fillings; non- refractory surfacing preparations for facades, indoor walls, floors, ceilings or the like.	9.80	17.90	15.91
3215	Printing ink, writing or drawing ink and other inks, whether or not concentrated or solid.	25.60	22.96	23.12
3814	Organic composite solvents and thinners, not elsewhere specified or included; prepared paint or varnish removers.	1.14	1.47	1.47
	Pharmaceuticals, medicinal chemicals, etc. (ISIC 3353)	100.00	100.00	100.00
2923	Quaternary ammonium salts and hydroxides; lecithins and other phosphoaminolipids.	1.29	0.84	1.14
2924	Carboximide-function compounds; amide- function compounds of carbonic acid.	6.44	5.25	2.61
2933	Heterocyclic compounds with nitrogen hetero-atom(s) only	16.46	16.44	6.03
2935	Sulphonamides.	1.02	0.68	0.31
2936	Provitamins and vitamins, natural or reproduced by synthesis (including natural concentrates), derivatives thereof used primarily as vitamins, and intermixtures of the foregoing, whether or not in any solvent.	4.16	4.46	2.05

HS4	Description	1990	1994	2001
2937	Hormones, natural or reproduced by synthesis; derivatives thereof, used primarily as hormones; other steroids used primarily as hormones.	3.12	2.10	1.78
2938	Glycosides, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives.	0.31	0.11	0.03
2939	Vegetable alkaloids, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives.	1.57	1.16	0.87
2940	Sugars, chemically pure (excluding sucrose, lactose, maltose, glucose and fructose); sugar ethers and sugar esters, and their salts (excluding products of heading no.29.37, 29.38 or 29.39).	0.20	0.12	0.06
2941	Antibiotics.	9.24	6.16	2.54
3001	Glands and other organs for organo- therapeutic uses, dried, whether or not powdered; extracts of glands or other organs or of their secretions for organo- therapeutic uses; heparin and its salts; other human or animal substances for therapeutic uses	0.43	0.31	0.19
3002	Human blood; animal blood prepared for therapeutic, prophylactic or diagnostic uses; antisera and other blood fractions; and modified immunological products, whether or not obtained by means of biotechnological processes; vaccines, toxins, cultures of micro-organisms (excl. yeasts) and similar products.	6.56	5.97	5.35
3003	Medicaments (excluding goods of heading no.30.02, 30.05 or 30.06) consisting of two or more constituents which have been mixed together for therapeutic or prophylactic uses, not put up in measured doses or in forms or packing for retail sale.	2.64	1.84	3.35
3004	Medicaments (excluding goods of heading no.30.02, 30.05 or 30.06) consisting of mixed or unmixed products for therapeutic or prophylactic uses, put up in measured doses or in forms or packing for retail sale.	40.87	48.51	68.45
3005	Wadding, gauze, bandages and similar articles (for example, dressings, adhesive plasters, poultices), impregnated or coated with pharmaceutical substances or put up in forms or packing for retail sale for medical, surgical, etc.	1.17	1.43	1.79
3006	Pharmaceutical goods specified in note 4 to this chapter.	4.51	4.62	3.45
	Soap, detergents, cleaning & polishing, perfumes, etc. (ISIC 3354)	100.00	100.00	100.00
1520	Glycerol, crude; glycerol waters and lyes	8.04	13.42	2.45
3303	Perfumes and toilet waters.	2.94	3.12	7.14

HS4	Description	1990	1994	2001
3304	Beauty or make-up preparations and preparations for the care of the skin (other than medicaments), including sunscreen or sun tan preparations; manicure or pedicure preparations.	9.36	10.72	25.81
3305	Preparations for use on the hair.	2.78	3.48	9.21
3306	Preparations for oral or dental hygiene, including denture fixative pastes and powders; yarn used to clean between the teeth (dental floss), in individual retail packing	2.02	3.09	1.42
3307	Pre-shave, shaving or after-shave preparations, personal deodorants, bath preparations, depilatories and other perfumery, cosmetic or toilet preparations, n.e.s. or included; prepared room deodorisers, whether or not perfumed or having properties	5.17	5.13	10.42
3401	Soap; organic surface-active products and preparations for use as soap, in the form of bars, cakes, moulded pieces or shapes, whether or not containing soap; paper, wadding, felt and non-wovens, impregnated, coated or covered with soap or detergent	2.87	6.50	4.94
3402	Organic surface-active agents (excluding soap); surface-active preparations, washing preparations (including auxiliary washing preparations) and cleaning preparations, whether or not containing soap, (excluding those of heading no. 34.01):	55.78	45.32	33.16
3404	Artificial waxes and prepared waxes.	9.46	6.83	3.45
3405	Polishes & creams, for footwear, furniture, floors, coachwork, glass or metal, scouring pastes & powders & similar preparations (whether or not in the form of paper, wadding, felt, nonwovens, cellular plastics or cellular rubber, imported covered with such preparations), (excl. waxes of heading no. 34.04).	1.58	2.40	2.01
	Other chemical products, nec. (ISIC 3359)	100.00	100.00	100.00
3301	Essential oils (terpeneless or not), including concretes and absolutes; resinoids; concentrates of essential oils in fats, in fixed oils, in waxes or the like, obtained by enfleurage or maceration terpenic by-products of the distillation of essential oils; aqueous distillates and aqueous solutions of essential oils	1.66	1.14	1.13
3302	Mixtures of odoriferous substances and mixtures (including alcoholic solutions) with a basis of one or more of these substances, of a kind used as raw materials in industry; other preparations based on odoriferous substances, of a kind used for the manufacture	11.04	11.01	11.23
3403	Lubricating preparations (including cutting-oil preparations, bolt or nut release preparations, anti-rust or anti-corrosion preparations and mould release preparations, based on lubricants) and preparations of a kind used for the oil or grease treatment of textile materials, leather, furskins or other materials, but excluding preparations containing as basic constituents, 70 per cent or more by mass of petroleum oils or oils obtained from bituminous minerals	1.77	2.01	3.22

HS4	Description	1990	1994	2001
3407	Modelling pastes, including those put up for children's amusement; preparations known as "dental wax" or as "dental impression compounds", put up in sets, in packing for retail sale or in plates, horseshoe shapes, sticks or similar forms; other preparations for use in dentistry, with a basis of plaster (of calcined gypsum or calcium sulphate):	0.18	0.18	0.12
3503	Gelatin (including gelatin in rectangular (including square) sheets, whether or not surface-worked or coloured) and gelatin derivatives; isinglass; other glues of animal origin, excluding casein glues of heading no.35.01.	0.33	0.64	0.46
3504	Peptones and their derivatives; other protein substances and their derivatives, not elsewhere specified or included; hide powder, whether or not chromed.	2.64	2.75	3.67
3506	Prepared glues and other prepared adhesives, not elsewhere specified or included; products suitable for use as glues or adhesives, put up for retail sale as glues or adhesives, not exceeding a net mass of 1 kg.	1.16	1.18	2.52
3601	Propellent powders.	-	0.24	0.21
3602	Prepared explosives, (excluding propellent powders)	0.12	0.41	0.26
3603	Safety fuses; detonating fuses; percussion or detonating caps; igniters; electric detonators.	0.16	1.08	1.95
3604	Fireworks, signalling flares, rain rockets, fog signals and other pyrotechnic articles.	0.65	0.50	0.43
3701	Photographic plates and film in the flat, sensitised, unexposed, of any material (excluding paper, paperboard or textiles); instant print film in the flat, sensitised, unexposed, whether or not in packs.	3.72	4.30	3.63
3702	Photographic film in rolls, sensitised, unexposed, of any material (excluding paper, paperboard or textiles); instant print film in rolls, sensitised, unexposed.	9.07	7.15	5.15
3703	Photographic paper, paperboard and textiles, sensitised, unexposed.	3.83	2.73	2.34
3707	Chemical preparations for photographic uses (excluding varnishes, glues, adhesives and similar preparations); unmixed products for photographic uses, put up in measured portions or put up for retail sale in a form ready for use.	4.44	5.58	3.17
3802	Activated carbon; activated natural mineral products; animal black, including spent animal black.	2.76	2.50	2.12
3809	Finishing agents, dye carriers to accelerate the dyeing or fixing of dyestuffs and other products and preparations (for example, dressings and mordants), of a kind used in the textile, paper, leather or like industries, not elsewhere specified or included	2.24	2.65	2.46
3810	Picking preparations for metal surfaces; fluxes and other auxiliary preparations for soldering, brazing or welding; soldering, brazing or welding powders and pastes consisting of metal and other materials; preparations of a kind used as cores or coatings for welding electrodes or rods	0.45	0.42	0.46

HS4	Description	1990	1994	2001
3811	Anti-knock preparations, oxidation inhibitors, gum inhibitors, viscosity improvers, anti-corrosive preparations and other prepared additives, for mineral oils (including gasoline) or for other liquids used for the same purposes as mineral oils	20.19	22.17	17.13
3812	Prepared rubber accelerators; compound plasticisers for rubber or plastics, n.e.s anti-oxidising preparations and other compound stabilisers for rubber or plastics.	0.50	1.47	1.65
3813	Preparations and charges for fire- extinguishers; charged fire-extinguishing grenades.	0.10	0.12	0.07
3815	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included.	5.62	5.68	5.04
3817	Mixed alkylbenzenes and mixed alkylnaphthalenes, (excluding those of heading no. 27.07 or 29.02).	0.00	0.13	0.04
3818	Chemical elements doped for use in electronics, in the form of discs, wafers or similar forms; chemical compounds doped for use in electronics.	0.14	0.31	0.21
3819	Hydraulic brake fluids and other prepared liquids for hydraulic transmission, not containing or containing less than 70 % by mass of petroleum oils or oils obtained from bituminous minerals.	0.19	0.14	0.13
3820	Anti-freezing preparations and prepared de-icing fluids.	0.21	0.21	0.20
3821	Prepared culture media for development of micro-organisms.	0.18	0.18	0.30
3822	Diagnostic or laboratory reagents on a backing and prepared diagnostic or laboratory reagents whether or not on a backing (excluding those of heading no.30.02 or 30.06)	1.82	2.61	8.48
3823	Industrial monocarboxylic fatty acids; acid oils from refining; industrial fatty alcohols	17.47	14.66	4.08
3824	Prepared binders for foundry moulds or cores; chemical products and preparations of the chemical products or allied industries (including those consisting of mixtures of natural products), not elsewhere specified or included; residual products of the chemical or allied industries, not elsewhere specified or included:	-	-	11.91
8523	Prepared unrecorded media for sound recording or similar recording of other phenomena (excluding products of chapter 37)	7.37	5.84	6.22
	Man-made fibres (ISIC 3360)	100.00	100.00	100.00
5402	Synthetic filament yarn (excluding sewing thread), not put up for retail sale, including synthetic monofilament of less than 67 decitex.	16.21	25.76	51.45

HS4	Description	1990	1994	2001
5403	Artificial filament yarn (excluding sewing thread), not put up for retail sale, including artificial monofilament of less than 67 decitex.	8.47	10.27	3.02
5404	Synthetic monofilament of 67 decitex or more and of which no cross-sectional dimension exceeds 1 mm; strip and the like (for example, artificial straw) of synthetic textile materials of an apparent width not exceeding 5 mm.	5.40	4.14	2.68
5405	Artificial monofilament of 67 decitex or more and of which no cross-sectional dimension exceeds 1 mm; strip and the like (for example, artificial straw) of artificial textile materials of an apparent width not exceeding 5 mm.	1.07	0.63	0.00
5406	Man-made filament yarn (excluding sewing thread), put up for retail sale.	-	-	0.03
5501	Synthetic filament tow.	12.90	11.66	9.27
5502	Artificial filament tow.	18.31	15.63	13.81
5503	Synthetic staple fibres, not carded, combed or otherwise processed for spinning.	26.48	23.81	16.76
5504	Artificial staple fibres, not carded, combed or otherwise processed for spinning.	11.16	8.11	2.99
	Tyres & tubes of rubber, retreading & rebuilding of tyres (ISIC 3371)	100.00	100.00	100.00
4006	Other forms (for example, rods, tubes and profile shapes) and articles (for example, discs and rings), of unvulcanised rubber.	0.20	0.28	1.20
4011	New pneumatic tyres, of rubber.	91.94	90.82	84.75
4012	Retreaded or used pneumatic tyres of rubber; solid or cushion tyres, interchangeable tyre treads and tyre flaps, of rubber.	2.70	3.29	7.59
4013	Inner tubes, of rubber.	5.17	5.61	6.46
	Other rubber products (ISIC 3379)	100.00	100.00	100.00
4003	Reclaimed rubber in primary forms or in plates, sheets or strip.	0.02	0.08	0.03
4005	Compounded rubber, unvulcanised, in primary forms or in plates, sheets or strip.	0.55	1.49	1.22

HS4	Description	1990	1994	2001
4007	Vulcanised rubber thread and cord.	0.76	0.63	0.69
4008	Plates, sheets, strip and profile shapes, of vulcanised rubber (excluding hard rubber).	8.94	7.16	5.87
4009	Tubes, pipes and hoses, of vulcanised rubber (excluding hard rubber), with or without their fittings (for example, joints, elbows, flanges).	15.80	17.03	14.73
4010	Conveyor or transmission belts or belting, of vulcanised rubber.	11.60	12.86	17.04
4014	Hygienic or pharmaceutical articles (including teats), of vulcanised rubber (excluding hard rubber), with or without fittings of hard rubber.	1.92	2.83	6.55
4015	Articles of apparel and clothing accessories (including gloves), for all purposes, of vulcanised rubber (excluding hard rubber).	3.43	3.77	4.03
4016	Other articles of vulcanised rubber (excluding hard rubber).	49.72	49.79	43.36
4017	Hard rubber (for example, ebonite) in all forms, including waste and scrap; articles of hard rubber.	0.11	0.09	0.18
5906	Rubberised textile fabrics, (excluding those of heading no. 59.02):	7.16	4.27	6.28
	Plastic products (ISIC 3380)	100.00	100.00	100.00
3916	Monofilament of which any cross-sectional dimension exceeds 1 mm, rods, sticks and profile shapes, whether or not surface-worked but not otherwise worked, of plastics.	2.39	2.06	1.53
3917	Tubes, pipes and hoses, and fittings therefore (for example, joints, elbows, flanges), of plastics.	10.03	10.17	11.10
3918	Floor coverings of plastics, whether or not self-adhesive, in rolls or in the form of tiles; wall or ceiling coverings of plastics, as defined in note 9 to this chapter.	2.70	4.02	2.45
3919	Self-adhesive plates, sheets, film, foil, tape, strip and other flat shapes, of plastics, whether or not in rolls.	9.23	10.88	11.23
3920	Other plates, sheets, film, foil and strip, of plastics, non-cellular and not reinforced, laminated, supported or similarly combined with other materials.	24.91	26.91	25.64
3921	Other plates, sheets, film, foil and strip, of plastics.	24.15	14.00	10.75

HS4	Description	1990	1994	2001
3922	Baths, shower-baths, wash-basins, bidets, lavatory pans, seats and covers, flushing cisterns and similar sanitary ware, of plastics.	1.08	0.86	0.47
3923	Articles for the conveyance or packing of goods, of plastics; stoppers, lids, caps and other closures, of plastics.	7.14	8.97	13.22
3924	Tableware, kitchenware, other household articles and toilet articles, of plastics.	2.78	4.35	3.90
3925	Builders' ware of plastics, not elsewhere specified or included.	0.47	0.44	0.58
3926	Other articles of plastics and articles of other materials of headings nos. 39.01 to 39.14.	14.67	16.43	17.90
6506	Other headgear, whether or not lined or trimmed.	0.45	0.92	1.23
	Coke oven products (ISIC 3310)	100.00	100.00	100.00

Annexure 9: South African Chemicals Sector Trade (%)

		EXPORT			IMPORT		
SECTOR	REGION	1990	1994	2001	1990	1994	2001
Petroleum & petroleum products	AFRICA	0.60	2.45	5.80	0.00	-	0.02
	AUSTRALASIA	2.23	1.34	3.36	0.01	0.52	0.01
	EASTERN EUROPE	-	-	0.08	0.00	0.02	0.17
	EU	61.83	57.77	23.88	30.24	30.22	12.97
	FAR EAST	12.48	7.23	7.36	33.73	30.17	28.71
	MIDDLE EAST	1.46	1.36	5.58	1.23	1.75	0.04
	NORTHERN AMERICA	3.74	9.25	15.10	32.98	34.46	51.54
	OTHER	0.00	0.09	1.04	0.00	0.02	0.04
	SADC	15.77	13.96	36.23	0.05	2.45	6.36
	SOUTH AMERICA	1.75	6.56	1.57	1.76	0.40	0.15
	WESTERN EUROPE	0.14	-	-	-	-	-
TOTAL		100.00	100.00	100.00	100.00	100.00	100.00
		EXPORT			IMPORT		
SECTOR	REGION	1990	1994	2001	1990	1994	2001
Industrial chemicals	AFRICA	0.89	3.05	7.68	0.22	0.40	0.32
		4.01	4.29	3.18	0.20	0.58	1.26
	EASTERN EUROPE	0.03	0.08	0.16	0.92	2.11	2.99
	EU	28.74	24.36	19.03	65.24	63.98	48.31
	FAR EAST	22.14	18.99	14.70	7.21	9.71	14.38
	MIDDLE EAST	7.81	7.94	16.86	3.30	3.69	12.19
	NORTHERN AMERICA	10.48	22.51	19.86	19.83	15.39	17.50
	OTHER	0.02	0.10	0.04	0.05	0.16	0.09
	SADC	23.34	15.40	15.36	0.05	0.17	0.22
	SOUTH AMERICA	2.52	3.26	3.12	2.96	3.80	2.71
	WESTERN EUROPE	0.01	0.01	0.00	0.03	0.01	0.02
TOTAL		100.00	100.00	100.00	100.00	100.00	100.00

		EXPORT			IMPORT		
SECTOR	REGION	1990	1994	2001	1990	1994	2001
Other products chemical	AFRICA	1.36	4.58	11.60	0.29	0.20	0.15
	AUSTRALASIA	1.73	3.09	2.97	0.28	0.66	1.73
	EASTERN EUROPE	0.02	0.82	0.62	0.13	0.24	0.63
	EU	31.60	13.83	22.29	72.27	71.25	65.65
	FAR EAST	5.22	3.98	5.78	8.80	9.19	10.30
	MIDDLE EAST	1.52	5.33	5.33	2.11	2.53	3.14
	NORTHERN AMERICA	6.25	8.38	6.87	14.65	14.24	16.55
	OTHER	0.56	0.99	0.27	0.04	0.13	0.21
	SADC	48.17	51.77	34.19	0.22	0.49	0.13
	SOUTH AMERICA	3.54	6.76	10.06	1.10	1.05	1.42
	WESTERN EUROPE	0.02	0.48	0.01	0.11	0.03	0.08
	TOTAL		100.00	100.00	100.00	100.00	100.00
		EXPORT			IMPORT		
SECTOR	REGION	1990	1994	2001	1990	1994	2001
Rubber products	AFRICA	1.15	4.57	9.38	0.00	0.08	0.20
	AUSTRALASIA	1.02	1.54	1.45	0.24	0.81	0.75
	EASTERN EUROPE	0.00	0.25	0.19	0.18	0.53	1.22
	EU	24.17	21.15	34.67	52.41	47.40	42.53
	FAR EAST	2.09	1.66	0.87	28.19	34.21	36.49
	MIDDLE EAST	0.77	0.51	7.51	2.33	2.65	4.28
	NORTHERN AMERICA	0.50	12.18	10.39	13.42	11.38	12.22
	OTHER	0.20	0.15	0.08	0.32	0.09	0.29
	SADC	69.49	56.82	34.86	1.98	2.08	0.92
	SOUTH AMERICA	0.48	1.13	0.55	0.93	0.76	1.08
	WESTERN EUROPE	0.14	0.02	0.05	0.00	0.00	0.02
	TOTAL		100.00	100.00	100.00	100.00	100.00

		EXPORT			IMPORT		
SECTOR	REGION	1990	1994	2001	1990	1994	2001
Plastic products	AFRICA	2.14	5.79	10.77	0.02	0.03	0.05
	AUSTRALASIA	3.03	4.43	2.65	0.27	0.66	0.76
	EASTERN EUROPE	0.00	1.19	0.35	0.00	0.11	0.97
	EU	32.64	32.53	30.09	59.66	55.26	49.89
	FAR EAST	2.32	3.40	1.65	18.18	25.50	26.71
	MIDDLE EAST	1.28	4.07	3.27	2.24	3.16	4.99
	NORTHERN AMERICA	4.46	3.08	8.78	17.96	14.09	15.65
	OTHER	0.52	0.35	0.23	0.16	0.12	0.47
	SADC	51.99	41.19	40.53	0.45	0.53	0.07
	SOUTH AMERICA	1.62	3.91	1.59	0.74	0.43	0.43
	WESTERN EUROPE	0.00	0.08	0.10	0.33	0.12	0.01
	TOTAL		100.00	100.00	100.00	100.00	100.00
		EXPORT			IMPORT		
SECTOR	REGION	1990	1994	2001	1990	1994	2001
TOTAL	AFRICA	1.05	3.54	8.89	0.21	0.26	0.20
	AUSTRALASIA	3.23	3.72	3.00	0.23	0.64	1.36
	EASTERN EUROPE	0.02	0.30	0.29	0.47	1.03	1.52
	EU	30.99	24.20	21.63	66.01	64.95	54.67
	FAR EAST	16.17	13.47	10.48	10.51	12.47	15.50
	MIDDLE EAST	5.50	6.48	11.99	2.65	3.06	6.48
	NORTHERN AMERICA	8.61	17.21	15.04	17.58	14.82	17.87
	OTHER	0.18	0.32	0.16	0.07	0.13	0.19
	SADC	31.57	26.40	23.85	0.26	0.48	0.45
	SOUTH AMERICA	2.66	4.23	4.67	1.92	2.13	1.73
	WESTERN EUROPE	0.02	0.12	0.01	0.08	0.03	0.04
	TOTAL		100.00	100.00	100.00	100.00	100.00