



Macjames
Global Resources Limited
Rc 646231

...ISO 9001:2015 Certified



BROCHURE – Products and Services

...your innovative eco-friendly specialty chemicals solutions

Water treatment ♦ Oil & Gas ♦ Marine ♦ Construction ♦ Mining ♦ Farming ♦ Manufacturing ♦ Institution ♦ Household ♦ Industries

We research and develop, innovate and formulate, manufacture and supply ecofriendly specialty chemicals and offer water treatment services



FACTORY

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Off Shell Location Road, Near Oyigbo,
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Emails

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www.macjamesglobal.com

...your innovative eco-friendly specialty chemicals solutions

Get to Know MACJAMES!

MACJAMES GLOBAL RESOURCES LIMITED is an ISO 9001:2015 certified chemical manufacturing company with innovative solutions incorporated in 2006 but started operations in 2012. Macjames specializes in research and development, formulation, innovation, manufacturing and supply of conventional and bespoke eco-friendly specialty consumer and industrial chemical products which include; Degreasers, Descalers, Liquid detergents, Rig wash, Sodium Hypochlorite, Surfactants, Oxygen & Hydrogen Sulphide Scavengers, SaferEx - Multiaction Water Purifier, pH Adjusters, Biocides, Disinfectants, Hand Sanitizers, facility Sanitizers, Epoxy/Alkyd Thinners, Oil Spill Dispersants, Stain Cleaner Liquid Polish, etc for industrial, oilfield, water treatment, institutional and household uses and applications meeting quality standards and satisfaction of our customers. MACJAMES products and the entire process is environmentally friendly with apt technology and in use by local and multinational companies, among others in Africa. MACJAMES is a registered exporter with Nigeria Export Promotion Council (NEPC) and our products are in use in Ghana, South Africa and Botswana. MACJAMES products are approved by National Agency for Food and Drug Administration and Control (NAFDAC) for household and institutional uses and Nigerian Upstream Petroleum Regulatory Commission (NUPRC) formerly Department of Petroleum Resources (DPR) for use in the oil and gas industry.

MACJAMES also offers topnotch services in water treatment plant design and installation, corrosion control, fumigation and disinfection, related training and consultancy. MACJAMES innovative Household-Institutional and Oilfield-Industrial (HI&OI) chemical products and services are economically efficient and customer-oriented; meet customers' needs and exceed their expectations, human and environmentally friendly.

MACJAMES Goal is to offer unique and effective made-in-Nigeria Africhemical solutions to Africa and beyond.

MACJAMES innovative chemical products have won awards and recognized for innovation by national and international organizations: COVID-19 Project CARE award 2020 and Selected for Africa Prize for Engineering Innovation 2014/2015 by Royal Academy of Engineering, United Kingdom; Federal Government of Nigeria Youth Enterprise with Innovation in Nigeria (YouWin) award 2012; Winner of Unilever Foundry Ideas' "Clean Water Challenge" 2016; Selected among top innovations in Africa by Tony Elumelu Foundation (TEF) 2016; Qualified for "Create the Future Design Contest" 2013, 2014, 2015, 2016 and 2017 sponsored by SAE International, COMSOL and MOUSER Electronics, U.S.A., among others.

Our factory production facilities have installed capacity to meet customers' needs and demands. We maintain high standards in our Health, Safety and Environment (HSE) with strict adherence to Environmental, Social and Governance (ESG) Policy, hence the professional training and the apt qualifications of our staff and the state of our facilities and operations.

MACJAMES serves you in Nigeria and beyond with Quality and Safety, Respect and Integrity - That's our promise!

NOTE: MACJAMES formulates and manufactures bespoke/customised specialty chemicals for your challenging needs in your projects in Oil & Gas, Marine, Water Treatment, Construction, Refineries, Mining and other industries.



www.macjamesglobal.com

...your innovative eco-friendly specialty chemicals solutions

MACJAMES CORPORATE STATEMENTS

Our Vision

To be a world-class chemicals manufacturer and services company with innovative chemical solutions.

Our Mission

To be a first-class manufacturer and deliverer of efficacious safe and innovative chemical products and services. We strive to achieve this through constant researches and scrutiny of our processes, upgrade of technology and know-how, environmental preservation, and customers' satisfaction.

Our Values

We offer innovative chemical solutions expressed by Quality and Safety, Integrity and Respect. (THE MACJAMES BRAND).

Our Goal

To offer unique and effective made-in-Nigeria Africhemical solutions for Africa and beyond.



1. **MACJAMES® MMDC-11 - MULTISURFACE DEGREASER/CLEANER.**

ISO 9001:2015 Cert. No.: N1683535

NAFDAC Reg. No.: 02-8179L

DPR/HSE.04/003.700/2019/002

2. **MACJAMES® MMLD-06 - MULTIPURPOSE LIQUID DETERGENT.**

ISO 9001:2015 Cert. No.: N1683535

NAFDAC Reg. No.: 02-8178L

DPR/HSE.04/003.700/2019/003

3. **MACJAMES® MRWL-07 - RIG WASH LIQUID**

ISO 9001:2015 Cert. No.: N1683535

DPR/HSE.04/003.700/2019/004

4. **MACJAMES® MDSC-12 - DESCALER /SCALE CLEANER**

ISO 9001:2015 Cert. No.: N1683535

DPR/HSE.04/003.850/2017/252

5. **MACJAMES® HandSafe – ADVANCED HAND SANITIZERS WITH MOISTURIZERS**

ISO 9001:2015 Cert. No.: N1683535

NAFDAC Reg. No.: 03-8179

6. **MACJAMES® MSHYP-001 - SODIUM HYPOCHLORITE (10% - 15%)**

ISO 9001:2015 Cert. No.: N1683535

NAFDAC Reg. No.: A2-6161

DPR/HSE.04/003.700/2018/037.

7. **MACJAMES®MPHAD-16 - pH Adjuster (Alkaline pH builder)**

ISO 9001:2015 Cert. No.: N1683535

DPR/HSE.04/003.700/2019/008

8. **SaferEx™ - Multiaction Water Purifier**

ISO 9001:2015 Cert. No.: N1683535

DPR/HSE.04/003.700/2018/038

9. **MACJAMES® MOSD-18 – Oil Spill Dispersant (OSD)**

ISO 9001:2015 Cert. No.: N1683535

10. **MACJAMES® KleenPol - MULTISURFACE LIQUID POLISH**

(FOR HOME/OFFICE APPLIANCES, FURNITURE, ETC)

(No need dusting; cleanses, polishes and disinfects)

ISO 9001:2015 Cert. No.: N1683535



MACJAMES ECO-FRIENDLY SPECIALTY CHEMICAL PRODUCTS



11. **MACJAMES® ToolKleen - Solvent Degreaser**
ISO 9001:2015 Cert. No.: N1683535
12. **MACJAMES® MSIA-14 - Scale Inhibitor**
ISO 9001:2015 Cert. No.: N1683535
13. **MACJAMES MALS-22 - Aluminum Sulphate Liquid**
ISO 9001:2015 Cert. No.:N1683535
14. **MACJAMES® MNHW-22 - Neutral Hand Wash**
ISO 9001:2015 Cert. No.: N1683535
15. **MACJAMES® GlassKleen - Glass Cleaner/Polish**
ISO 9001:2015 Cert. No.: N1683535
16. **MACJAMES® MHDS-20 - Heavy Duty Degreaser Surfactant**
ISO 9001:2015 Cert. No.: N1683535
17. **MACJAMES® MOSL-17 - Oxygen Scavenger Liquid**
ISO 9001:2015 Cert. No.: N1683535
18. **MACJAMES® MBIO-14A - Biocide Liquid**
ISO 9001:2015 Cert. No.: N1683535
19. **SaferWC - Water Clarifier**
ISO 9001:2015 Cert. No.: N1683535
20. **MACJAMES® KleenMax - Paint Stain Remover (Solvent)**
ISO 9001:2015 Cert. No.: N1683535

Please visit our website to know more about our over 70 products: <http://www.macjamesglobal.com/products>



MACJAMES SERVICES



WATER TREATMENT AND PROCESS TECHNOLOGY

- **Water Treatment Plant (WTP) and Sewage Treatment Plant (STP) Design and Installation.**
- **Design-Build-Operate-Maintenance (DBOM) and Design-Build-Operate-Transfer (DBOT) Services for Water Treatment Plant (WTP) and Sewage Treatment Plant (STP).**
- **Complete Water Analysis: Physico-chemical and Microbiological Water Analysis/Report.**
- **Water treatment chemicals supplies: pH Adjuster, Sodium Hypochlorite, SaferEx-Water Purifier, Clarifier, Coagulants, etc.**
- **Water quality investigation: monitoring, input-output analysis, treatment prescription and application.**
- **Supply of cooling water treatment chemicals.**
- **Supply of boiler water treatment chemicals.**
- **Polyelectrolytes for raw water and special applications.**
- **Wastewater analysis and treatment chemicals.**
- **Scale and corrosion inhibitors in water treatment plants/facilities.**

Please visit our website link to know about the water Treatment Plants and projects we have handled
<http://www.macjamesglobal.com/service/water-treatment-plants-and-process-technology>



MACJAMES SERVICES



CORROSION CONTROL AND PREVENTION

- *Material Selection and Design*
- *Surface Preparations: Blast Cleaning (Sandblasting, Grit Blasting, etc.), chemical cleaning, etc.*
- *Painting/Surface Coating / Treatment*
- *Cathodic Protection*
- *Corrosion Detection and Remediation, Plants and Equipment Rehabilitation and Maintenance.*
- *Corrosion Inhibition*



Surface Cleaning and Anti-Corrosion Coating of SeWa Raw Water Storage Tank

ENVIRONMENTAL HEALTH AND POLLUTION SERVICES: FUMIGATION, PEST CONTROL AND DISINFECTION



- ❖ *Pest control and Fumigation/disinfection*
- ❖ *Clean-up Services*
- ❖ *Manpower Training and Development*
- ❖ *Environmental Impact Assessment (EIA)*

Environmental Health Services Training – Fumigation-Pest control and Disinfection



MACJAMES SERVICES

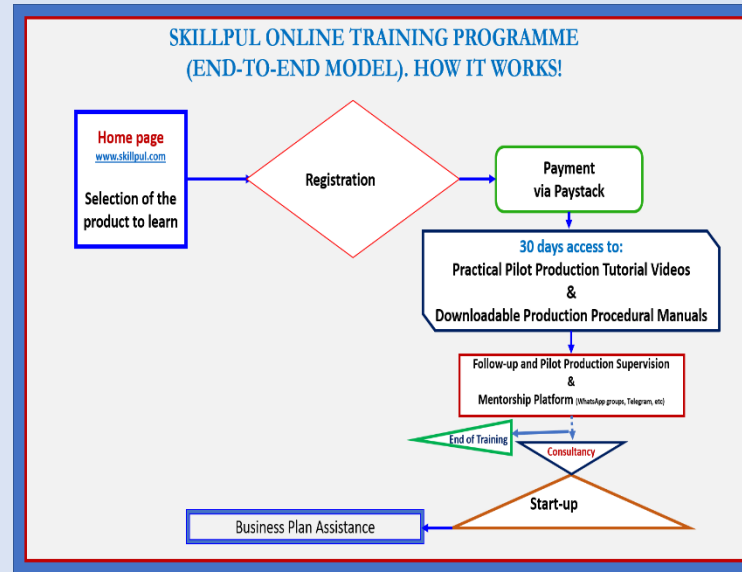


CONSUMER, INDUSTRIAL AND LABORATORY GRADE CHEMICALS SUPPLIES

- **Organic and inorganic Acids**
- **Alkalis and Bases (e.g Sodium Hydroxide, Calcium Carbonate, etc)**
- **Solvents: Xylene, MEK, Toluene, Aldehydes and Ketones, etc**
- **Oxygen scavengers**
- **Emulsion breakers**
- **Scale inhibitors**
- **Surfactants and detergents**
- **Defoamers**
- **Oxides and Peroxides**
- **Carboxymethylcellulose (various brands and grades)**
- **Silicates, Phosphates of organic salts.**
- **Carbonates, Bicarbonates, Silicates, etc.**
- **formaldehyde**
- **Linear Alkyl Benzene Sulphonates**
- **Water treatment chemicals: Disinfectant, coagulant, etc**
- **Paints, Marine and industrial Protective Coatings**
- **P.V.A Emulsions**
- **Resins**
- **etc.**

TRAINING, CAPACITY BUILDING AND ENTREPRENEURSHIP

- **Manpower Training and Skills Acquisitions in Specialty Chemicals Production.**
- **Tertiary Institutions' Students Practical Entrepreneurship Training.**
- **Civil Service Capacity Building Training and Entrepreneurship.**
- **Skill Acquisition Training for the unemployed and underemployed in Specialty chemicals production, fumigation/pest control, and water treatment.**
- **Entrepreneurship and Innovation Management.**
- **Startups and SME growth strategies.**
- **Chemicals formulations and innovations.**
- **Fumigation/disinfections and pest control.**
- **Water treatment and plant design.**
- **Corrosion control and prevention.**



OUR CLIENTS

MACJAMES HAS SUCCESSFULLY SERVICED OR IS CURRENTLY SERVICING THESE COMPANIES/ORGANIZATIONS OR THEIR CONTACTORS, AMONG OTHERS

- | | | | |
|-----|---|-----|--|
| 1. | Green Energy International Limited/LekOil Nigeria Limited | 22. | Eiffel-WECO Engineering and Construction Co, Port Harcourt, Nigeria. |
| 2. | Alcon Nigeria Limited, Port Harcourt, Nigeria | 23. | Coco Facilities Management Company Limited, Abuja, Nigeria. |
| 3. | Global Process and Pipeline Services Limited (GPPSL) | 24. | Alpha-Plus Apartments, Abuja, Nigeria. |
| 4. | Port Harcourt Refining Company Limited (PHRC) (a subsidiary of Nigerian National Petroleum Corporation (NNPCL). | 25. | Novotel Hotel, Port Harcourt, Nigeria. |
| 5. | Environmental Associates Limited (Nigerian Petroleum Development Company Limited (NPDC) contractor) | 26. | Central Bank of Nigeria (CBN), Calabar, Nigeria. |
| 6. | Wellsworth Energy Services Limited, Port Harcourt, Nigeria | 27. | Central Bank of Nigeria (CBN), Uyo, Nigeria |
| 7. | Atlantic Wave Marine & Logistics Limited, Lagos, Nigeria | 28. | Abia State Government, Ministry of Environment, Nigeria. |
| 8. | Seven Energy Limited, Nigeria. | 29. | Abia State Government, Local Government Service Commission, Nigeria. |
| 9. | Bristow Helicopters (Nigeria) Ltd, Port Harcourt, Nigeria | 30. | Osun State Polytechnic, Iree, Osun State, Nigeria |
| 10. | Sewa West Africa Limited (National Integrated Power Projects (NIPP) contractor), Nigeria. | 31. | KrisDera Hotels and Resorts, Omoku. Rivers State, Nigeria |
| 11. | Calaya Engineering Services Limited, Port Harcourt, Nigeria | 32. | Andrima UK Limited, Nigeria |
| 12. | Horocon Integrated Energy Services Limited (SPDC- Shell Petroleum Development Company (Nigeria) Ltd contractor) | 33. | St. Jude's Clinic, Elelewo, Port Harcourt, Nigeria. |
| 13. | FELPET (NIG) LIMITED, Port Harcourt, Nigeria | 34. | Dover Engineering Limited, Port Harcourt, Nigeria. |
| 14. | Matmelvin Nigeria Ltd, Port Harcourt, Nigeria | 35. | Atlantic BHB Marine Logistics Limited, Port Harcourt Nigeria |
| 15. | Gemstone Tech Equipment and Services, Aba, Nigeria | 36. | Hermonwell Company Limited, Kano State, Nigeria |
| 16. | Rockonaforte Nigeria Ltd | 37. | Food Agro & Allied Ind. Ltd, Ota, Ogun State, Nigeria |
| 17. | Nigerian Navy Secondary School, Port Harcourt, Nigeria | 38. | SciAg Agroscientific Limited, Ibadan, Oyo State, Nigeria |
| 18. | Pakej Oil and Gas Nigeria Limited, Warri, Nigeria. | 39. | Amni Petroleum Development Company Limited, Port Harcourt, Nigeria |
| 19. | Reel Tech Global Services Limited, Lagos, Nigeria. | 40. | Oilclyde Energy Limited, Port Harcourt, Nigeria |
| 20. | Steag Encotec West Africa Ltd - Marine Division, Port Harcourt, Nigeria. | 41. | Barkingfield, Accra, Ghana. |
| 21. | Oil and Industrial Services (OIS) Limited, Port Harcourt. | 42. | Safe Ark Limited, TEMA, Ghana |
| | | 43. | Stubhub (Pty) Limited, Gaborone, Botswana. |
| | | 44. | O3 Water Solutions (Pty) Limited, Midrand, South Africa. |

For more information, visit www.macjamesglobal.com

OUR CLIENTS

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LEKOIL



GREEN ENERGY
INTERNATIONAL LIMITED



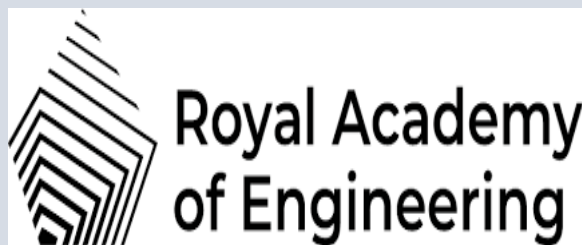
GLOBAL PROCESS &
PIPELINE SERVICES LIMITED



For more information, visit www.macjamesglobal.com

OUR SPONSORS

MACJAMES has been sponsored and /or given grants and awards/recognition by these Nigerian and international organizations



For more information, visit www.macjamesglobal.com

AWARDS AND RECOGNITION (NATIONAL AND INTERNATIONAL)

- ❖ **Project CARE (Covid Africa Rapid Entrepreneurs) award 2020 by Royal Academy of Engineering, United Kingdom**
- ❖ **Federal Government of Nigeria Youth Enterprise With Innovation (YOUWIN) in Nigeria 2012 National award.**
- ❖ **African Excellence Award – The Most Innovative Chemical Solutions Provider 2020 and 2021, Nigeria by Mea Markets, United Kingdom.**
- ❖ **Corporate LiveWire Innovation and excellence Awards 2021 - Most Innovative Manufacturing Company of the Year, Africa by Corporate LiveWire, United Kingdom.**
- ❖ **Winner among top 1000 innovations in Africa, from 54 African Countries, by TEEP 2016.**
- ❖ **Winner Unilever Foundry ideas "Clean Water Challenge", 2016.**
- ❖ **GEM Project Grant Award winner, 2017 by Federal Government of Nigeria and World Bank.**
- ❖ **Selected for Africa Prize for Engineering Innovation 2015 by Royal Academy of Engineering, United Kingdom.**
- ❖ **Qualified for "Create the Future Design Contest 2015" worldwide, by COMSOL and MOUSER, USA.**
- ❖ **Qualified for "Create the Future Design Contest 2014" worldwide, by COMSOL and MOUSER, USA.**
- ❖ **Qualified for "Create the Future Design Contest 2013" worldwide, by SAE International and COMSOL, USA**
- ❖ **Qualified in the "Create the Future Design Contest 2016" by COMSOL and Mouser Electronics, U.S.A.**
- ❖ **Qualified in the "Create the Future Design Contest 2022" by COMSOL and Mouser Electronics, U.S.A.**





APPENDICES

MACJAMES PRODUCTS AND SERVICES DESCRIPTIONS







Kindly explore the following pages for our products and services details with pictures and more information



MACJAMES ECOFRIENDLY SPECIALTY CHEMICAL PRODUCTS FOR WATER TREATMENT, OIL & GAS, HOUSEHOLD, INSTITUTIONAL AND INDUSTRIAL USES




S/N	PRODUCTS NAMES AND DESCRIPTIONS	SECTORS/AREAS OF APPLICATION	PACKAGE SIZES AND PHOTOS
1	<p>MACJAMES® MMDC-11 - MULTISURFACE DEGREASER/CLEANER.</p> <p>ISO 9001:2015 Cert. No.: N1683535 NAFDAC Reg. No.: 02-8179L DPR/HSE.04/003.700/2019/002</p> <p>Note: MSDS, TDS and COA are readily available</p> <p>Product Solution Description: MACJAMES® MMDC-11 - MULTISURFACE DEGREASER/CLEANER is an eco-friendly economical multi-surface Degreaser/Cleaner for Oilfield-Industrial and Household-Institutional (OI&HI) uses and applications that emulsifies and cleanses a large array of organic and inorganic dirt from various washable surfaces/substrates (metal, plastic, wood, concrete, rubber, PVC, ceramic, leather, glass, rugs, fabric, etc) without deforming them, harming the users and the environment. It is a surface-active emulsifying, non-solvent based, non-acidic, and non-toxic foaming degreaser/cleaner. It emulsifies grease, oil, rust, asphalt, heavy dirt, carbon deposits, grime, slag, sludge, mud, scales, soot, mildew and mould, others alike, with it and cleanses them from the various washable substrates without deforming their surfaces, unlike most degreasers/cleaners in the market today. It is an economically efficient heavy and light duty (water-diluted only) ready-and-easy to apply degreaser/cleaner with safe surface-active strength and emulsifying properties.</p> <p>It is produced using refined organic and inorganic chemical raw materials and is water-based, environmentally friendly and biodegradable. One of the vital features of this innovation is that it saves the health and lives of users as it does not contain any traces of petroleum distillates or organic solvents, unlike other degreasers popularly in use today that contain solvents which have been confirmed harmful to users and environment by causing systems failure, damage to the peripheral nervous system, infertility, lungs and liver damage/cancers, seizure and death on overexposure, etc and ground/surface water/air contamination.</p> <p>Read more and send your request from this link: http://www.macjamesglobal.com/products/oilfield-and-industrial-chemicals#degreaser</p>	<ul style="list-style-type: none"> ➤ Water treatment equipment cleaning/maintenance (Reverse Osmosis (RO), Ultra-filtration (UF), etc) ➤ Oilfield equipment ➤ Drilling and mining ➤ Petrochemicals and refineries ➤ Rigs and superstructures ➤ Marine and dredging ➤ Manufacturing/factories ➤ Foundries and casting ➤ Agriculture/farms ➤ Civil/metal construction ➤ Heat Exchangers ➤ Automobile and rail ➤ Mechanical workshop ➤ Abattoirs ➤ Boats and Vessels ➤ Households ➤ Hotel/food processing. ➤ Power/electricity equipment. ➤ Other heavily soiled surfaces and substrates. 	<p>12 x 1 Litre carton</p> <p>4 x 4 litres carton</p> <p>20 Litres</p> <p>25 Litres</p> <p>200 Litres drum</p> <p>1,000 Litres (IBC)</p>   

For more information, visit www.macjamesglobal.com




S/N	PRODUCTS NAMES AND DESCRIPTIONS	SECTORS/AREAS OF APPLICATION	PACKAGE SIZES AND PHOTOS
2	<p>MACJAMES® MMLD-06 - MULTIPURPOSE LIQUID DETERGENT.</p> <p>ISO 9001:2015 Cert. No.: N1683535 NAFDAC Reg. No.: 02-8178L DPR/HSE.04/003.700/2019/003</p> <p>Note: MSDS, TDS and COA are readily available</p> <p>Product Solution Description: Most of our Household, institutional and industrial daily activities cause or generate dirt/soil/stains on the various surfaces and substrates which might include germs that can also cause certain sicknesses on exposure to them if left uncleaned or unwashed. To clean or wash off these dirt/soil/stains for aesthetic reasons for neatness and/or sanitization of the germs, MACJAMES® MMLD-06 - MULTIPURPOSE LIQUID DETERGENT is very efficacious, economical and biodegradable for the purposes.</p> <p>MACJAMES® MMLD-06 - MULTIPURPOSE LIQUID DETERGENT (NAFDAC Reg No.: 02-8178L) has the following qualities: Multipurpose, cleanses and deodorizes, cleanses oil and grime, contains anti-depository agent, easily rinsed off, non-toxic, retains colours, safe on substrates, biodegradable, friendly pH, very high foaming, high viscosity, non-acidic, non-flammable, non-solvent based, non-corrosive and does not leave ash or soda marks.</p> <p>Read more and send your request from this link: http://www.macjamesglobal.com/products/oilfield-and-industrial-chemicals#detergent</p>	<ul style="list-style-type: none"> * Laundry for households, hotels, hospitals, vessels, etc * Kitchen dish wash * Offshore and onshore housekeeping/cleaning * Carwash * Toilet wash * Steam washing of equipment * Power washing of equipment * All floor types and coverings * Light cleaning for vessels and storage tanks, silos, etc. 	<p>12 x 1 Litre carton</p> <p>4 x 4 litres carton</p> <p>20 Litres</p> <p>25 Litres</p> <p>200 Litres drum</p> <p>1,000 Litres (IBC)</p> 

S/N	PRODUCTS NAMES AND DESCRIPTIONS	SECTORS/AREAS OF APPLICATION	PACKAGE SIZES AND PHOTOS
3	<p>MACJAMES® MRWL-07 - RIG WASH LIQUID</p> <p>ISO 9001:2015 Cert. No.: N1683535 DPR/HSE.04/003.700/2019/004</p> <p>Note: MSDS, TDS and COA are readily available</p> <p>Product Solution Description: In marine environment and other industries, various field operations are carried out which leads to generation of dirt/soil in tanks, on equipment, etc and such dirt are in the forms of grease, oil, loose rust scales, bitumen residue, mud, carbon deposits, grime, slag, crude sludge, etc. The dirt on water-safe washable substrates/surfaces needs to be cleaned and washed with biodegradable industrial detergent popularly known as Rig Wash which can be in Liquid or powdery forms.</p> <p>MACJAMES® MRWL-07 - RIG WASH LIQUID /INDUSTRIAL DETERGENT is biodegradable with good emulsifying properties and flowability that makes it easier to spread and penetrate into the dirt like sludge, grease, heavy dirt, etc to break their bonds for easy rinse off without harming the substrates/equipment, human and marine environment. It is blendable with hard and soft, hot and cold-water media. It can be applied with hand brush, power and steam washing equipment in appropriate ratio to water.</p> <p>Read more and send your request from this link: http://www.macjamesglobal.com/products/oilfield-and-industrial-chemicals#rig</p>	<ul style="list-style-type: none"> * Vessels and boats * Drilling rig and platforms * Workshops and machines * Refineries and Petrochemical industries * Marine and dredging equipment * Farming machines * Construction equipment * Mining equipment * Rigs and superstructures * Oilfield equipment * All water-safe washable industrial soiled equipment and surfaces. 	<p>4 x 4 litres carton</p> <p>20 Litres</p> <p>25 Litres</p> <p>200 Litres drum</p> <p>1,000 litres (IBC)</p>   



S/N	PRODUCTS NAMES AND DESCRIPTIONS	SECTORS/AREAS OF APPLICATION	PACKAGE SIZES AND PHOTOS
4	<p>MACJAMES® MDSC-12 - DESCALER /SCALE CLEANER</p> <p>ISO 9001:2015 Cert. No.: N1683535 DPR/HSE.04/003.850/2017/252</p> <p>Note: MSDS, TDS and COA are readily available</p> <p>Product Solution Description: In water and other fluid process equipment, when Calcium and Magnesium Carbonates, Calcium Sulphate, Silica complexes, Ferric Oxide, etc enter or are formed in the system in a dissolved state and due to certain chemical and physical reactions, they become insoluble and fall out of solution and deposit on the surfaces of associated equipment. This deposit is known as a SCALE. In such systems, it can coat the inside of the tubing, pipes, etc to cause problems such as restricting water flow, system/products contamination or fouling, increase in pressure, acting as an insulator, reducing the transfer of heat as well as increasing fluid demand from the systems. On surfaces, scale is mostly a product of oxidation reactions, it can cause corrosion, reduce conduction, reduce aesthetics, etc. Occasionally and professionally, the SCALES in the systems are removed or cleaned with a DESCALER - MACJAMES® MDSC-12 - DESCALER/SCALE CLEANER</p> <p>Read more and send your request from this link: http://www.macjamesglobal.com/products/oilfield-and-industrial-chemicals#descaler</p>	<ul style="list-style-type: none"> ▪ Pipes and pipeline network ▪ Reverse Osmosis and Ultra-filtration systems ▪ Water-cooled condensers ▪ Chillers ▪ Boilers ▪ Radiators ▪ Pumps ▪ Cooling towers ▪ Reservoir pore throats ▪ Coffee makers ▪ System tubes with scales ▪ Rust deposits on surfaces ▪ Carbonates, silicates, sulphates, etc deposit on surfaces ▪ All water operating heat exchangers and equipment 	<p>4 x 4 litres carton</p> <p>20 Litres</p> <p>25 Litres</p> <p>200 Litres drum</p> <p>1,000 litres (IBC)</p>  




S/N	PRODUCTS NAMES AND DESCRIPTIONS	SECTORS/AREAS OF APPLICATION	PACKAGE SIZES AND PHOTOS
5	<p>MACJAMES® HandSafe – ADVANCED HAND SANITIZERS WITH MOISTURIZERS ISO 9001:2015 Cert. No.: N1683535 NAFDAC Reg. No.: 03-8179</p> <p>Note: MSDS, TDS and COA are readily available</p> <p>Product Solution Description: Hand Sanitizer is one of the most used solutions during such periods, and goes beyond that to become necessary during “normal times” to prevent contagious diseases caused by viruses, bacteria, protozoa, etc, especially those that can be transmitted by touching contaminated surfaces and infected persons with our hands resulting to flu, catarrh, conjunctivitis, etc. Therefore, Sanitizers which come in gel or liquid forms can be used daily, before/during/after being in contact with suspected contagious sources or places to prevent such sicknesses. MACJAMES® HandSafe - ADVANCED INSTANT HAND SANITIZER with Moisturizer is a Hand Sanitizer Gel with 70% Alcohol with moisturizer and disinfectant that kill germs like bacteria, protozoa, etc and disintegrates viruses and keeps your hands feeling supple. It is used in homes, hospitals, hotels, and public places to sanitize and disinfect disease-causing organisms. They come in gel or pure liquid forms as desired by users, wherever they live and work.</p> <p>Read more and send your request from this link: http://www.macjamesglobal.com/products/institutional-and-household-chemicals#sanitizer</p>	<ol style="list-style-type: none"> 1. Hotels 2. Hospitals 3. Homes 4. Ships and vessels 5. Airports 6. Schools 7. Seaports 8. Recreation parks 9. Cinemas 10. Shopping malls/supermarkets 11. Banks and financial institutions 12. Corporate offices/government ministries 13. Churches/Mosques/worship places 14. Motor Parks/bus terminals 15. All public facilities and places 	<p>12 x 500ml carton</p> <p>12 x 1 Litre carton</p> <p>4 x 4 litres carton</p> <p>20 Litres</p> <p>25 litres</p> <p>200 Litres drum</p>   


MACJAMES ECOFRIENDLY SPECIALTY CHEMICAL PRODUCTS FOR WATER TREATMENT, OIL & GAS, HOUSEHOLD, INSTITUTIONAL AND INDUSTRIAL USES

S/N	PRODUCTS NAMES AND DESCRIPTIONS	SECTORS/AREAS OF APPLICATION	PACKAGE SIZES AND PHOTOS
6	<p>MACJAMES® MSHYP-001 - SODIUM HYPOCHLORITE (10% - 15%)</p> <p>ISO 9001:2015 Cert. No.: N1683535 NAFDAC Reg. No.: A2-6161 DPR/HSE.04/003.700/2018/037.</p> <p>Note: MSDS, TDS and COA are readily available</p> <p>Product Solution Description: MACJAMES® MSHYP-001 - SODIUM HYPOCHLORITE (15%) solution is used in water treatment as a disinfectant; healthcare and public facilities, hospitality and hotels, household and industries as an efficient disinfectant, sanitizer and bleaching agent.</p> <p>LIST OF USES: Water Treatment, Disinfection, Removal of Ammonia, Hydrogen Sulphide Oxidation, Iron and Manganese Oxidation, Control of Taste and Odor, Destruction of Organic Matter, Colour Reduction, Control of Slime and Algae and Laundry and Industrial Bleaching.</p> <p>Read more and send your request from this link: http://www.macjamesglobal.com/products/water-treatment-and-environment-chemicals#sodium</p>	<ol style="list-style-type: none"> 1. Water Treatment 2. Disinfection (in oilfields, industries and public facilities, farms, households, Hotels, etc) 3. Removal of ammonia 4. Hydrogen Sulphide oxidation 5. Iron and Manganese oxidation 6. Control of taste and odor 7. Destruction of organic matter 8. Colour reduction 9. Control of slime and algae 10. Laundry and industrial Bleaching. 	<p>12 x 1 Litre carton</p> <p>4 x 4 litres carton</p> <p>20 Litres</p> <p>25 litres</p> <p>200 Litres drum</p> <p>1000 Litre (IBC)</p>   

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7	<p>MACJAMES®MPHAD-16 - pH Adjuster (Alkaline pH builder)</p> <p>ISO 9001:2015 Cert. No.: N1683535 DPR/HSE.04/003.700/2019/008</p> <p><i>Note:</i> MSDS, TDS and COA are readily available</p> <p>Product Solution Description: When water is being treated, it is important to determine if the water is alkaline or acidic so as to know the pH value (alkalinity or Acidity) the water is to be adjusted to depending on the use of the treated water. This adjustment of pH value is done by adding a pH Adjuster. For Alkaline water, an acidic pH Adjuster is added to reduce the pH value or an alkaline pH Adjuster is used to increase the pH value and vice versa for Acidic water.</p> <p>MACJAMES®MPHAD-16 - pH Adjuster (pH plus) is a blend of alkaline salts in de-ionized water. MACJAMES® MPHAD-16 is used to increase the pH of water in water treatment. It is applied to increase water pH to the desired acidic or alkaline pH value by using a dosing or injection pump in Water Treatment Plants (WTP). It is formulated to adjust the pH of drinking water, industrial/process water, swimming pool, etc. to meet the World Health Organization (WHO) and other standard limits for the pH values for water quality for drinking and other uses. It also prevents pipes, pumps and water circulating equipment corrosion caused by aggressive water pH values in cooling/circulating water systems like boilers, heat exchangers, etc. in industries and others</p> <p>Read more and send your request from this link: http://www.macjamesglobal.com/products/water-treatment-and-environment-chemicals#adjuster</p>	<ol style="list-style-type: none"> 1. Water treatment in households, oilfields, hotels, schools, hospitals, industries, etc. 2. Municipal Water treatment 3. Drinking Water 4. Boilers, cooling towers and other heat exchangers 5. Prevention of corrosion 6. Process water 7. Swimming Pool 8. Washing and flushing water for metal cleaning 	<p>20 litres</p> <p>25 litres</p> <p>200 litres drum</p> <p>1,000 litres (IBC)</p>  

S/N	PRODUCTS NAMES AND DESCRIPTIONS	SECTORS/AREAS OF APPLICATION	PACKAGE SIZES AND PHOTOS
8	<p>SaferEx™ - Multiaction Water Purifier</p> <p>ISO 9001:2015 Cert. No.: N1683535 DPR/HSE.04/003.700/2018/038</p> <p>Note : MSDS, TDS and COA are readily available</p> <p>Product Solution Description: Treatment of water to make it safe for drinking and other uses requires basic processes like disinfection, coagulation, sedimentation, pH adjustment, filtration, etc. There is always a problem with point-of-use water treatment systems or products especially in households, rural areas, etc as most of them are not low-cost/affordable, multifunctional, efficient and easy to use and cannot bring the basic water treatment processes to happen in a single application. These are the challenges SaferEx™ - Multiaction Water Purifier is solving. It does DISINFECTION, COAGULATION, SEDIMENTATION, CLARIFICATION, and removal of colour, taste, odour, heavy metals and salts in a single application; when added to unsafe water.</p> <p>SaferEx™ - Multiaction Water Purifier is an innovative multiaction water purifier that purifies unsafe borehole/well and containerized water to make it safe for drinking and other hygiene and sanitation uses to prevent waterborne diseases/sicknesses and deaths. It effectively and economically purifies the unsafe water by disinfection (killing pathogens), coagulation (gathering impurities/contaminants), sedimentation (settling the particles/high/heavy metals and salts to the bottom of the container), clarification, removing colour, odour and taste in a “single application and unit process”</p> <p>Read more and send your request from this link: http://www.macjamesglobal.com/products/water-treatment-and-environment-chemicals#purifier</p>	<ol style="list-style-type: none"> 1. Borehole water treatment in households, hotels, schools, hospitals, industries, etc 2. Containerised River water treatment in rural areas Point-of-use water treatment 3. Wash-and-Rinse wastewater from food/agro-products processing 4. Removal of Iron and manganese from water 5. Removal of water hardness caused by Calcium and Magnesium 6. Removal of Fluoride, Nitrates and salts 7. Destruction of organic matter 8. Removal of colour, odour and taste 9. Control of slime and algae 10. Removal of heavy metals like Lead, etc 11. Disinfection, Coagulation, Sedimentation and Clarification of unsafe water in a single application. 	<p>12 x 1 Litre</p> <p>4 x 4 Litres</p> <p>20 Litres</p> <p>25 Litres</p> <p>200 Litres drum</p> <p>1,000 Litres (IBC)</p>  <p>SaferEx User Experience (UX) Tests and use in Benoni Vlei water purification in South Africa by OS Water Solutions (Pty) Limited, South Africa</p>  <p>SaferEx USED TO REMOVE IRON AND MANGANESE FROM RAW BOREHOLE WATER</p>  <p>Raw borehole water at Oyigbo town, Rivers State, Nigeria analyzed to contain high Iron and Manganese but remains clear in appearance (Collected from a water packaging factory).</p> <ol style="list-style-type: none"> 1. Raw borehole water analyzed to contain Iron and Manganese but clear in appearance. 2. Raw borehole water after adding 5ml SaferEx -Multi-action Water Purifier (after <10 minutes). 3. Borehole water with Iron and Manganese sedimented after treatment with SaferEx to remove Iron and Manganese.

S/N	PRODUCTS NAMES AND DESCRIPTIONS	SECTORS/AREAS OF APPLICATION	PACKAGE SIZES AND PHOTOS
9	<p>MACJAMES® MOSD-18 – Oil Spill Dispersant (OSD)</p> <p>ISO 9001:2015 Cert. No.: N1683535</p> <p>Note: MSDS, TDS and COA are readily available</p> <p>Product Solution Description: During offshore oil drilling, production and pipeline transportation, pipeline and tank cleaning decommissioning, etc operations as well as marine services and cleaning activities, crude oil most probably spill and stay on the surface of the sea. This leads to contamination of the sea surface water and exposure of birds, turtles, sea mammals, etc. in the spill vicinity as well as the possibility of adherence of the oil to marine animals, shorelines, boats, etc. In order to clean up the sea surface, an Oil Spill Dispersant is applied. MACJAMES® MOSD-18 – OIL SPILL DISPERSANT is an innovative, effective and environmentally friendly viscous Oil Spill dispersant. It is a third-generation dispersant (a concentrate water-dilutable dispersant) which contains a high concentration of surfactants in water-miscible solvents. Formulated in collaboration with an oil-servicing company in Nigeria and use severally in different projects. When applied to an oil spill on the surface of the sea, the solvent transports and distributes the surfactants throughout the oil to break up the surface tension of the oil-water interface. As a result of the mixing energy provided by waves and the wind, it breaks up the oil into small droplets which are rapidly suspended in the water column and diluted to very low concentrations, enabling the oil degradation by micro-organisms already present in the sea.</p> <p>Read more and send your request from this link: http://www.macjamesglobal.com/products/oilfield-and-industrial-chemicals#oilspill</p>	<ul style="list-style-type: none"> * Offshore drilling oil spill * Offshore Production and pipeline transportation oil spill * Offshore pipeline and tank cleaning spills * During decommissioning of offshore oil and gas facilities oil spill * During marine vessel cleaning activities oil spill * Other oil spill sites on sea surfaces 	<p>20 Litres</p> <p>25 Litres</p> <p>200 Litres</p> <p>1,000 Litres (IBC)</p> 

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10	<p>MACJAMES® KleenPol - MULTISURFACE LIQUID POLISH (FOR HOME/OFFICE APPLIANCES, FURNITURE, ETC) (No need dusting; cleanses, polishes and disinfects)</p> <p>ISO 9001:2015 Cert. No.: N1683535</p> <p>Note: MSDS, TDS and COA are readily available</p> <p>Product Solution Description: MACJAMES® KleenPol - MULTISURFACE LIQUID POLISH/CLEANER with sanitizer (3-in-one). It CLEANS DIRT, POLISHES AND SANITIZES IN A SINGLE APPLICATION! You can use it wherever you live and work and on a wide range of surfaces and materials. You do not need to dust or clean the surface or substrate before application. It does not leave any oily or sticker film on applied surfaces.</p> <p>MACJAMES® KleenPol - MULTISURFACE LIQUID POLISH/CLEANER with sanitizer (3-in-one) It CLEANS DIRT, POLISHES AND SANITIZES IN A SINGLE APPLICATION! You can polish almost all surfaces without the "first labour" of dusting or removing stains/dirt from the surfaces. MACJAMES® KleenPol is used for car dashboards, home/office appliances, furniture, kitchen equipment, etc to CLEAN, POLISH and SANITIZE all substrates and surfaces made of metals, wood, leather, rubber, plastic, PVC, Ceramics, composites, etc leaving them shining with lustre. MACJAMES® KleenPol - MULTISURFACE POLISH/CLEANER is a non-toxic, human- safe and eco-friendly innovation that gives the "WATERLESS CLEANING, POLISHING AND SANITIZING" with great fragrance and shining effects that rejuvenate surfaces/Substrates.</p> <p>Please watch the demo video until the last minute! https://www.youtube.com/watch?v=9N-LZPIr7oY</p> <p>Read more and send your request from this link: http://www.macjamesglobal.com/products/institutional-and-household-chemicals#polish</p>	<ol style="list-style-type: none"> 1. Car dashboards/interiors 2. Home/office appliances 3. Furniture 4. kitchen equipment 5. Hotels 6. Hospitals 7. Ships and vessels 8. Airports 9. Schools 10. Seaports 11. Recreation parks 12. Cinemas 13. shopping malls/supermarkets 14. Banks and financial institutions 15. Corporate offices/government ministries 16. Churches/Mosques/worship places 17. Bus/train terminals 18. All public/private facilities and places 	<p>12 x 500ml carton 4 x 4 litres carton</p> <p>20 Litres 25 Litres 200 Litres</p> 

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N

TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

1.



ALCON NIGERIA LIMITED WATER TREATMENT PLANT AT ANOH GAS PLANT BASE, ASSA NORTH, OHAJI, IMO STATE.

DESIGN, SUPPLY OF EQUIPMENT AND INSTALLATION BY MACJAMES GLOBAL RESOURCES LIMITED.

For more information, visit www.macjamesglobal.com

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N

TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

2.



GREEN ENERGY INTERNATIONAL LIMITED/LEKOIL WATER TREATMENT PLANT (WTP) DESIGNED AND INSTALLED AT OTAKIKPO OILFIELD, ANDONI RIVERS STATE, NIGERIA BY MACJAMES.

For more information, visit www.macjamesglobal.com

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N

TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

3.



PHOTOS OF CENTRAL BANK OF NIGERIA; CALABAR BRANCH WATER FACILITY REDESIGN, REHABILITATION AND MAINTENANCE BY MACJAMES IN PARTNERSHIP WITH REAL-REPHIL SOLUTIONS LIMITED

For more information, visit www.macjamesglobal.com

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N

TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

4.



DURING CENTRAL BANK OF NIGERIA, UYO BRANCH WATER FACILITY MAINTENANCE AND WATER TREATMENT, CARRIED OUT BY MACJAMES IN PARTNERSHIP WITH REAL-REPHIL SOLUTIONS LIMITED.

For more information, visit www.macjamesglobal.com

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N

TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

5.



DURING ALAOJI POWER PLANT-NATIONAL INTEGRATED POWER PROJECT (NIPP), IN ABA, ABIA STATE, DRINKING WATER TREATMENT FACILITY MONITORING, RAW AND TREATED WATER QUALITY INVESTIGATION/ANALYSIS AND TREATMENT SPECIFICATIONS FOR REMEDIATION, CARRIED OUT BY MACJAMES WATER TECHNOLOGY.

For more information, visit www.macjamesglobal.com

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N

TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

6.



SeWa WEST AFRICA LIMITED FACTORY AND OPERATIONAL BASE DRINKING WATER TREATMENT PLANT REHABILITATION, RAW WATER HOLDING TANK ANTI-CORROSION TREATMENT, WATER QUALITY CHECK, AND DRINKING WATER TREATMENT, IN BOROKIRI, PORT HARCOURT, NIGERIA, CARRIED OUT BY MACJAMES WATER TECHNOLOGY.

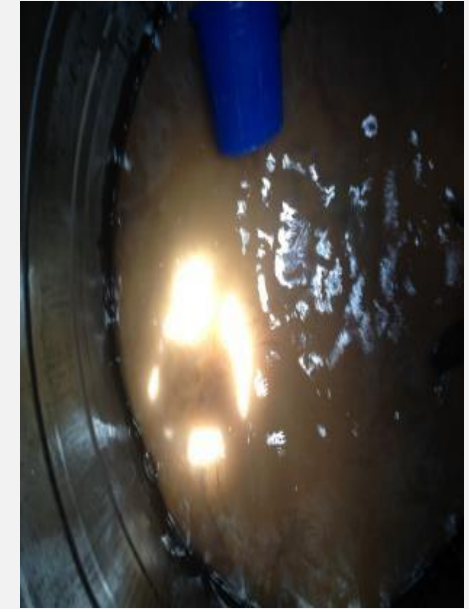
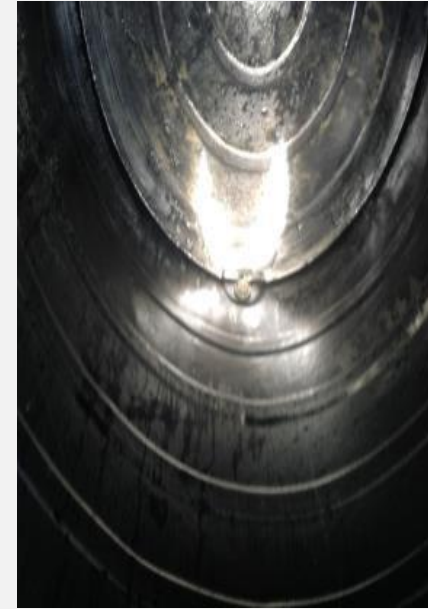
For more information, visit www.macjamesglobal.com

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N

TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

7.



DURING OSUN STATE POLYTECHNIC, IREE, OSUN STATE, NIGERIA; SIX BOREHOLES RAW WATER QUALITY INVESTIGATION; SAMPLE COLLECTION AND ANALYSIS; CLEANING/WASHING, DISINFECTION AND FLUSHING OF WATER STORAGE TANKS AND PIPELINE DISTRIBUTION NETWORK AND TREATMENT PRESCRIPTION/REMEDIATION BY MACJAMES.

For more information, visit www.macjamesglobal.com

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N

TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

8.



**REDESIGN AND INSTALLATION BOREHOLE WATER TREATMENT PLANT OF BRISTOW
HELICOPTERS LTD PORT HARCOURT, RIVERS STATE, NIGERIA BY MACJAMES**

For more information, visit www.macjamesglobal.com

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N

TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

9.



MACJAMES FACTORY WATER TREATMENT PLANT DESIGNED AND INSTALLED BY MACJAMES TO DE-IONIZE, DISINFECT, PURIFY, ADJUST PH AND PERFORM MULTIMEDIA AND MICRON FILTRATIONS

For more information, visit www.macjamesglobal.com

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N

TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

10.



RESIDENTIAL WATER TREATMENT PLANT AT PEARLS GARDEN ESTATE, ENEKA, PORT HARCOURT. DESIGN, SUPPLY OF EQUIPMENT AND INSTALLATION BY MACJAMES 2023.

For more information, visit www.macjamesglobal.com

MACJAMES WATER TREATMENT AND PROCESS TECHNOLOGY

S/N TYPICAL PHOTOS OF WATER TREATMENT AND PROCESS TECHNOLOGY PROJECT BY MACJAMES

11.



SaferEx - Multi-action Water Purifier used in treatment and recovery of safe water from muddy, heavy metal and pathogen infested raw borehole water from Okposi Town, Ohaozara L.G.A, Ebonyi State, Nigeria (In situ treatment).

1. Raw and heavily contaminated borehole water from Okposi town, Ebonyi State, Nigeria.
2. Raw water after treatment with SaferEx Multi-action Water Purifier with sediments (<1hr)
3. Purified water in a cup after SaferEx treatment and decantation (>80% of safe water recovered)



Raw borehole water at Oyigbo town, Rivers State, Nigeria analyzed to contain high Iron and Manganese but remains clear in appearance (Collected from a water packaging factory).

1. Raw borehole water analyzed to contain Iron and Manganese but clear in appearance.
2. Raw borehole water after adding 5ml SaferEx -Multi-action Water Purifier (after <10 minutes).
3. Borehole water with Iron and Manganese sedimented after treatment with SaferEx to remove Iron and Manganese.



Typical household borehole unsafe salt water analyzed and contains pathogens, metals and salts.
A - Before treatment with SaferEx -Water Purifier.
B - After treatment with SaferEx - Water Purifier with sediments; rid of pathogens, salts and unwanted metals (2-6 hours later).



SaferEx in situ treatment of household borehole water from LEKKI, Lagos State, Nigeria analyzed and contains pathogens, metals and salts.
A -Before treatment with SaferEx
B -After treatment with SaferEx with sediments; rid of pathogens, salts and unwanted metals prior to filtration (after < 45 minutes).

PHOTOS OF SaferEx - MULTIACTION WATER PURIFIER BEING USED TO PURIFY UNSAFE WATER FROM DIFFERENT SOURCES AND LOCATIONS IN NIGERIA. SaferEx IS AN INVENTED CHEMISTRY AND AN INNOVATION FROM MACJAMES.



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MacJames Global Resources Limited

...your innovative eco-friendly specialty chemicals solutions!



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