



MACJAMES®MRWL-07 - RIG WASH LIQUID

PRODUCT TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

MACJAMES®MRWL-07 - RIG WASH LIQUID/INDUSTRIAL DETERGENT

(DPR/HSE.04/003.700/2019/004) is an innovative and economical industrial detergent with emulsifying concentrated strength to clean dirt from many surfaces where ordinary detergents limitations end. It cleanses grease, oil, bitumen residue, mud, carbon deposits, grime, slag, etc from the various surfaces. Its alkalinity and flowability (low viscosity) make it easy to spread and penetrate into the heavy dirt to break their bonds for easy rinse off. It is blendable with hard/soft, salt/fresh, hot/cold water media. It is biodegradable, non-solvent based, non-toxic, environmentally friendly and non-corrosive chemical industrial liquid detergent. **It solves the problems of cleaning heavy and tough industrial dirt/soil where ordinary detergents cannot be a solution.** It could be used in hand, power and steam washing activities in appropriate ratio to water in these areas:

- Drilling rig and platforms
- Petrochemical and refineries, etc.
- Vessels and silos
- Workshop and machine parts
- Marine and dredging equipment
- Production and factory floors
- Farm and construction equipment
- Heavy soiled equipment and surfaces.

PACKAGING SIZES: 4 Litres : 20 Litres : 25 Litres : 200 Litres drum and IBC Tank (1,000 Litres). Others on request.

INNOVATIVE FEATURES

- *Safe on surfaces*
- *Biodegradable*
- *Non-toxic*
- *Emulsifying*
- *High foaming*
- *Low Viscosity*
- *Non-acidic*
- *Non-flammable*
- *Non-solvent based*
- *100% Water Soluble*

BENEFITS

- ✓ *Highly economical*
- ✓ *Not destructive to metals and non metals*
- ✓ *Full industrial strength*
- ✓ *Removes organic and inorganic soils*
- ✓ *Safe to users*
- ✓ *Effective in soft and hard water*
- ✓ *Blendable with hot water and solvents for special degreasing jobs*



APPLICATION INFORMATION:

SURFACES/SUBSTRATES OF APPLICATION:

Platforms and oilfield equipment, machine parts, soiled engines, fouled heat exchangers, workshop/factory floors, storage tanks/reservoirs, marine and dredging equipment, rigs and superstructures and other soiled surfaces or equipment.

DIRECTIONS FOR USE:

- ❖ Use on all washable water-safe surfaces only.
- ❖ Spray, apply with brush, or soak soiled surfaces and substrates.
- ❖ Allow solution to penetrate for 2 - 5 minutes, depending on soil level.
- ❖ Scouring or scrubbing or high-pressure application is recommended to remove stubborn deposits.
- ❖ Rinse or flush with clean water until surface is free from dirt and detergent.

DILUTION RATIOS:

HEAVY SOIL: Use full strength concentration.

MEDIUM SOIL: Use 1:5 parts water to 1:20 parts water dilute solution.

LIGHT CLEANING: Use 1:20 parts water to 1:100 parts water dilute solution.

IN THE RIGHT DILUTION, POWER OR PRESSURE WASH CAN BE USED ON SURFACES AND INACCESSIBLE SOILED AREAS.

- ❖ Rinsing: High pressure hot water is more effective for inaccessible areas.

MACJAMES® MRWL-07 - RIG WASH LIQUID is known to be environmentally friendly, non-toxic and safe for general health but commonsense precautions are recommended.

PRECAUTIONS

- KEEP AWAY FROM CHILDREN
- Use hand gloves during application.
- Do not drink.
- Avoid contact with eyes or skin, otherwise flush with plenty water.
- Wash hands with water after using chemicals.
- If swallowed, drink water and see a doctor.
- Dilute with plenty water before disposal.

INGREDIENTS: It is manufactured from De-ionized water, ionic and other surfactants, preservative, etc.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH	0	0 - Minimal
FLAMMABILITY	0	1 - Slight
PHYSICAL HAZARD	0	2 - Moderate
PERSONAL PROTECTION	B	3 - High
		4 - Very High

NB: The Material Safety Data Sheet (MSDS) of **MACJAMES® MRWL-07 - RIG WASH LIQUID** is readily available for more information or contact us at info@macjamesglobal.com.

PHYSICAL PROPERTIES

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Appearance:	Light cream to colourless	Foaming Tendency:	High
Odour:	Industrial detergent	Concentration Monitoring Techniques:	Titration
Specific Gravity @ 20°C :	1.02	Water solubility:	Complete
Viscosity:	Low	Rinsability:	Excellent
pH:	8 – 11	Flash Point:	none
Freezing Point:	Approx. -5°C	Boiling Point:	Approx. 100 °C



TYPICAL PHOTOS: SIZES AND PACKAGED FOR DELIVERY OF MACJAMES® MRWL-07 - RIG WASH LIQUID



NON-WARRANTY – All data, statements and recommendations contained herein are based upon the best information available and are believed to be reliable. However, no warranty, either expressed or implied, is made concerning the application of this product since the customer’s use cannot be controlled directly by Macjames.



MINISTRY OF PETROLEUM RESOURCES

DEPARTMENT OF PETROLEUM RESOURCES

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Ref No: DPR/HSE.04/003.700/2019/004.....

Date: 29th January 2019.....

The Managing Director

Macjames Global Resources Limited
37 Trans Amadi Industrial Layout
Rumuobiakani
Port Harcourt

Dear Sir,

RE-APPLICATION FOR REVALIDATION OF OILFIELD CHEMICALS

Arising from the review of your application for re-certification of Rig Wash Liquid (Macjames MRWL-07), we are pleased to inform you of the acceptance of the product technical data including the safety Data Sheet (SDS) submitted on the chemical and the product manufacturer's attestation that the formulation remains the same; and also, convey our approval for the continued deployment of the product in the Oil and Gas Industry.

2. This re-certification is for a period of three (3) years in the first instance from the date of this letter and is subject to periodic review by the Department as deemed necessary.
3. The use of Macjames MRWL-07 shall be governed by the provisions of section 25 of the Petroleum (Drilling and Production) Regulations, 1969 as well as Environmental Guidelines and Standards for the Petroleum Industry in Nigeria (EGASPIN 2018) which were both issued pursuant to section 9(1)(b)(iii) of Petroleum Act, 1969.
4. Furthermore, any change in the composition or reformulation of this product which could wholly or partly alter the data submitted should be promptly communicated to the Director of Petroleum Resources for the purpose of re-certification, as such changes automatically render this approval invalid.

5. Finally, this approval notwithstanding, the user of the product shall seek the approval of Director Department Petroleum Resources for the specific use under specified terms and conditions; and shall remain fully responsible for any damage done to the local environment on account of the use of the product.

Yours faithfully,

A handwritten signature in blue ink, appearing to read 'Balogun', written over a faint circular stamp or watermark.

Balogun, A. A.

For: Director of Petroleum Resources