



MATERIAL SAFETY DATA SHEET

Prepared October 2015 by Macjames Global Resources Limited, Plot 2 Obong Udo Akpan Udo Estate, Umuebullu II, Etche LGA, Rivers State, Nigeria.

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Macjames® MMLD-06 - Multipurpose Liquid Detergent

Other Name: Liquid Detergent

MANUFACTURER: Macjames Global Resources Limited, Port Harcourt, Rivers State, Nigeria.

TELEPHONE: +234 818 959 6273

NAFDAC REG. NO.: **02-8178L**

DPR APPROVAL NO.: **DPR/HSE.04/003.850/2015/242**

PACKAGING AND NUMBER CODES: 1 Ltr - MMLD-06A: 4 Ltr - MMLD-06B: 20Ltr - MMLD-06C:
25Ltr - MMLD- 06D: 30Ltr - MMLD-06E: 200Ltr - MMLD-06F.

SECTION 2: MAJOR INGREDIENTS

INGREDIENTS	% COMPOSITION (Wt)(APPROX.)
De-ionized Water	78.10
Anionic Surfactants	16.05
Proprietary Blend	2.78
Hydrotropes	2.75
Methyl Paraben (preservative)	0.13
Lemon fragrance	0.12
Light Blue colour	0.07
Total % Composition	100.00

MACJAMES GLOBAL RESOURCES LIMITED

FACTORY: PLOT 2 OBONG UDO AKPAN UDO ESTATE, UMUEBULU II, NEAR OYIGBO, RIVERS STATE, NIGERIA.
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SECTION 3: HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Ingestion: May cause transient gastrointestinal irritation.

Eye Contact: May cause mild, transient irritation.

Inhalation: Transient irritation with prolonged exposure to concentrated material.

Signs and Symptoms of Exposure:

Ingestion: May result in nausea, vomiting, and/or diarrhea.

Eye Contact: May cause stinging, tearing, itching, swelling, and/or redness.

Skin: Prolonged contact with concentrated material may be drying or transiently irritating to skin.

SECTION 4: FIRST AID MEASURES

Emergency and First Aid Procedures:

Ingestion: Drink a glassful of water.

Eye Contact: Flush with water for 10 to 15 minutes.

Skin: If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothes. If symptoms persist or reoccur, seek medical attention.

Other: Consumer product package has a caution statement: "CAUTION: Do not drink. KEEP OUT OF REACH OF CHILDREN. If swallowed, give a glassful of water or milk. Call a physician. In case of eye contact, flush with plenty water."

SECTION 5: FIRE FIGHTING METHODS

Macjames® Multipurpose Liquid Detergent is a non-combustible liquid; Fire fighters should wear self contained breathing apparatus with full face masks. Use dry chemical, foam, carbon dioxide or water spray for fires involving this product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Absorb and collect product and containerize for reuse. For product that cannot be reused and must be disposed of, appropriate disposal methods should be followed. Dilute or flush with plenty water or Management and disposal should follow State Federal guidelines.

SECTION 7: HANDLING AND STORAGE

Macjames® Multipurpose Liquid Detergent can irritate eyes and handling procedures should avoid direct eye contact. The product should be stored in the original containers in a cool and dry location. Keep from freezing.

SECTION 8: EXPOSURE CONTROLS, PERSONNEL PROTECTION

Respiratory Protection: None required with normal use.



Ventilation *Local Exhaust:* None required with normal consumer use. *Special:* None
Mechanical (General): Normal/general dilution ventilation is acceptable. *Other:* None

Eye Protection: None required with normal consumer use.

Industrial Setting: If a splash is likely, chemical goggles may be needed.

Protective Gloves: None required with normal use.

Industrial Setting: Protective gloves (rubber, neoprene) should be used for prolonged direct contact.

Other Protective Equipment: None required with normal use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Macjames® Multipurpose Liquid Detergent is a non-combustible, non-toxic, viscous liquid mixture.

Colour: Light blue

FLASH POINT: ≥150 deg F

WATER SOLUABILITY: Soluble

pH: 7.5 - 8.5

SPECIFIC GRAVITY (H₂O = 1): 1.09

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: None known.

Materials to Avoid: None known.

Hazardous Decomposition Products: None known.

Possibility of Hazardous Reactions: None known.

SECTION 11 : TOXICOLOGICAL AND ECOLOGICAL INFORMATION

Macjames® Multipurpose Liquid Detergent is not known to be a carcinogen or toxic. Overexposure to this product may produce the conditions listed in Section 3. Releases may be reportable under local and state regulations. It should be properly diluted with water before being released into the environment.

SECTION 12: TRANSPORTATION AND DISPOSAL INFORMATION

Macjames® Multipurpose Liquid Detergent is a non-combustible Liquid. Should be transport in a non-metallic container. Disposal should be in accordance with all Federal, state/provincial and local regulations. Household Use: Consumer produced household solutions may be disposed of down the drain with running water. Consumer may discard empty container in trash, or recycle where facilities exist.

SECTION 13: REGULATORY INFORMATION

Chemical components of this product are human and environmentally friendly in the proportions and the product is biodegradable.

SECTION 14: OTHER INFORMATION

Colourant and fragrance contained within the product are approved for use by NAFDAC.



HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATING:

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

DISCLAIMER: This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Macjames Global Resources Limited to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Macjames Global Resources Limited assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

MINISTRY OF PETROLEUM RESOURCES

DEPARTMENT OF PETROLEUM RESOURCES

7 Kofo Abayomi Street, Victoria Island, Lagos

12650
P.M.B. No:.....

01-2790000
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Website: www.dprnigeria.com



DPR/HSE.04/003.850/2015/242
Ref. No:.....

December 9, 2015
Date:.....

The Managing Director
Macjames Global Resources Limited
37 Trans Amadi Ind. Layout
Rumuobiakani
Port Harcourt

Dear Sir,

APPROVAL TO USE MACJAMES MMLD-06 FOR OPERATIONS IN THE NIGERIAN OIL AND GAS INDUSTRY

Your application of 9th November on the above subject refers.

2. Following the review of your submission including the Material Safety Data Sheet of **Macjames MMLD-06**, we are pleased to convey approval for the use of product in the Nigerian oil and gas industry as a **Multipurpose Liquid Detergent**.
3. Please note that this approval is for a period of three (3) years in the first instance and is subject to periodic review by the Department as deemed necessary.
4. The use of **Macjames MMDC-06** shall be governed by the provision 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 2002) which were both issued pursuant to section 9(1)(b)(iii) of the Petroleum Act 1969.
5. Furthermore, any change in the composition or reformulation of this product which could wholly or partially 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.
6. Finally, you are to note that this approval notwithstanding, the user of the product shall seek the approval of the DPR for the specific use under specified terms and conditions; and shall remain fully responsible for any damage done to the environment on account of the use of the product.

Yours faithfully,

A handwritten signature in black ink, appearing to be 'Agada J.O.', written over a circular stamp.

Agada. J.O.

For: Director, Department of Petroleum Resources