

### PRODUCT DESCRIPTION

MACJAMES® MMLD-06 - MULTIPURPOSE LIQUID DETERGENT (NAFDAC REG. NO. 02-8178L)

#### INNOVATIVE FEATURES

- **All purpose**
- **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**

#### MACJAMES® MMLD-06 - Multipurpose Liquid Detergent

(DPR/HSE.04/003.700/2019/003) is a surface active environmentally friendly multi-purpose liquid detergent (containing ionic and non-ionic surfactants) and other additives for its general purpose washing use in laundry, kitchen dishwash, offshore and onshore housekeeping/cleaning, handwash, carwash, toilets, steam washing, power washing, all floor types and coverings, and machines, light cleaning for vessels and storage tanks, silos, etc. Does not affect physical properties of substrates and is not poisonous. It is blendable with solvent, disinfectant, salt /fresh and hard/soft water. It has anti-depository agent and easily washed off. Safe for general health and biodegradable.

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

#### APPLICATION INFORMATION:

**MacJames® MMLD-06 - Multipurpose Liquid Detergent** is used in oilfield, industrial and household washing and light cleaning. It is satisfactory for all floor types and coverings, offshore and onshore house cleaning, laundry, dishwash, handwash, carwash, toilets, and other like soiled surfaces and substrates.

#### DIRECTIONS:

- ✓ Use on washables substrates or materials.
- ✓ Add to water until it forms lather for proper washing and cleaning, assuming washing water is not pure.
- ✓ Apply on material or substrate by soaking, washing, scrubbing, etc .
- ✓ Rinse with clean water until foam is completely removed.

#### PRECAUTIONS:

This product is non-toxic for general health but common sense precautions are recommended.

- KEEP AWAY FROM CHILDREN
- Do not drink.
- Avoid contact with eyes, otherwise flush with plenty water.
- If swallowed, drink much water and see a doctor.

# MACJAMES® MMLD-06 - MULTIPURPOSE LIQUID DETERGENT

## PRODUCT TECHNICAL DATA SHEET

**DILUTION RATIOS:**

**HEAVY OIL AND SOIL:** Use 1:5 parts of water solution for heavy oily and sooty wash off.

**LIGHT WASHING AND CLEANING:** Use 1:10 parts water to 1: 30 parts water solution for light washing and mopping.

**GENERAL WASHING AND CLEANING:** Use diluted solution according to soil/dirt level and nature for effective action.

PHYSICAL		PROPERTIES	
<b>Appearance:</b>	Light Blue	<b>Foaming Tendency:</b>	Very High
<b>Odour:</b>	Lemon-apple	<b>Concentration Monitoring Techniques:</b>	Titration
<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.09	<b>Water solubility:</b>	Complete
<b>Viscosity:</b>	High	<b>Rinsability:</b>	Excellent
<b>pH:</b>	7.5 - 8.5	<b>Flash Point:</b>	none
<b>Freezing Point:</b>	Below 0°C	<b>Boiling Point:</b>	Above 100 °C



NB: The Material Safety Data Sheet(MSDS) of **Macjames® MMLD-06 - Multipurpose Liquid Detergent** is readily available for more information or contact us at [info@macjamesglobal.com](mailto:info@macjamesglobal.com).

**P.S:**

**2012:** Won Federal Government of Nigeria Youth Enterprise with Innovation in Nigeria National award.

**2013:** Approved by NAFDAC (NAFDAC REG. NO. 02-8178L).

**2015:** Approved by Department of Petroleum Resources (DPR) - DPR/HSE.04/003.850/2015/242

