

## MATERIAL SAFETY DATA SHEET

PREPARED SEPTEMBER 2018 AND UPDATED OCTOBER 2022 BY MACJAMES GLOBAL RESOURCES LIMITED, NO. 10 MBAMARA STREET, UMUEBULU II, ETCHE LGA, RIVERS STATE, NIGERIA.

### SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

**PRODUCT NAME: MACJAMES® MOSD-18 - Oil Spill Dispersant**

**PRODUCT USE:** Oil Spill Dispersant

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

**ISO 9001:2015 Cert. No.:** **N1683535**

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**PACKAGE SIZES:** 25 Litres : 200 Litres : IBC tank (1,000 Litres)  
All in HDPE plastic containers (other packaging sizes on request)

### SECTION 2: MAJOR INGREDIENTS

INGREDIENTS	-	% COMPOSITION (Wt) (APPROX.)
De-ionized water	-	50.00
Ionic Surfactants	-	30.50
Nonionic Surfactant	-	9.15
Glycol Solvent	-	7.19
Solubilizer	-	2.50
Sodium Hydroxide	-	0.48
Preservative	-	0.10
Amber colourant	-	0.08
<b>Total % Composition (Wt)</b>	<b>-</b>	<b>100.00</b>

### SECTION 3: HAZARDS IDENTIFICATION

This product is a slightly acidic liquid solution. It is a foaming surfactant with oleophilic solvents.

EYES:	May irritate eyes.
SKIN:	May irritate skin.
INHALATION:	May irritate nasal passages, respiratory tract and mucous membranes.
INGESTION:	May cause gastrointestinal disturbances.

### SECTION 4: FIRST AID MEASURES

EYES:	If exposed, flush with water for 15 minutes and get medical attention.
SKIN:	Wash with plenty of water. Seek medical attention if irritation persists.
INHALATION:	Get fresh air if exposed and seek medical attention if condition does not improve.
INGESTION:	If ingested, rinse mouth, drink water and seek immediate medical attention. Never give anything by mouth to an unconscious person.

### SECTION 5: FIRE FIGHTING METHODS

**MACJAMES® MOSD-18** may be a slightly combustible liquid at high temperature that makes it produce vapour; 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 for release reporting.

### SECTION 7: HANDLING AND STORAGE

**MACJAMES® MOSD-18** can irritate eyes and skin and handling procedures should avoid direct skin or eye contact. Wear appropriate hand gloves and PPE. The product should be stored in the original containers in a cool and dry location. Keep away from freezing conditions.

### SECTION 8: EXPOSURE CONTROLS, PERSONNEL PROTECTION

Use protective gloves when handling **MACJAMES® MOSD-18** or when any contact with the product is possible. Protective goggles or a face shield should be worn when mixing or pouring product to avoid any eye or face contact.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**MACJAMES® MOSD-18** is a water-based viscous liquid.

State:	Liquid
Appearance/Colour:	Amber to light yellow
Odour :	Ester-like (slightly sweet smell)
pH (100%):	6.0 – 6.5
Specific Gravity (25°C):	1.30
Boiling Point:	145°C
Water Solubility:	Completely soluble in water.

**Viscosity:** 0.95 Pa.s  
**Vapour Pressure (37°C):** 15 mmHg  
**Odour Threshold:** No data  
**Autoignition temp:** Not applicable  
**Flammability:** May be combustible at high temperature

### SECTION 10: STABILITY AND REACTIVITY

**MACJAMES® MOSD-18** is a neutral or slightly acidic, stable water-based liquid surfactant. However, as with any surfactant product, mixtures with other products should be avoided, except water. Avoid contact with strong acids and bases, and do not store in metallic containers.

### SECTION 11: TOXICOLOGICAL AND ECOLOGICAL INFORMATION

**MACJAMES® MOSD-18** 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. This product may affect aquatic plants and fish. It should be properly diluted with water before being released into the environment.

### SECTION 12: TRANSPORTATION AND DISPOSAL INFORMATION

**MACJAMES® MOSD-18** is a non-combustible Liquid. Should be transport in a non-metallic container. Should be properly diluted with water before disposal or disposal should be conducted in accordance with local and Federal Environmental guidelines.

### SECTION 13: REGULATORY INFORMATION

Chemical components of this product are human and environmentally friendly at the proportions. However, it should be handled with care according to this Material Safety Data Sheet and local and Federal Environmental guidelines.

### SECTION 14: OTHER INFORMATION

Please consult the readily available Technical Data Sheet (TDS) for **MACJAMES® MOSD-18** application and other technical details

#### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATING.

<b>HEALTH</b>	<b>1</b>	<b>0 - Minimal</b>
<b>FLAMMABILITY</b>	<b>0</b>	<b>1 - Slight</b>
<b>REACTIVITY</b>	<b>0</b>	<b>2 - Moderate</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>	<b>3 - High</b>
		<b>4 - Very High</b>

**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.

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