

MATERIAL SAFETY DATA SHEET

Prepared September 2013 and Reviewed October 2022 by Macjames Global Resources Limited. Factory: No. 10 Mbamara Street, Umuebulu II, Etche LGA, Rivers State, Nigeria.

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: MACJAMES® HandSafe - Advanced Instant Hand Sanitizer Gel with Moisturizer

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

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PACKAGE SIZES: 100ml, 125ml, **1 Litre**, 4 Litres, 20 Litres, 25 Litres and 200 Litres in L&HDPE containers (Others on request).

NAFDAC Reg. NO.: 03-8179

PRODUCT USE:

Recommended use: Hand Sanitizer

Restrictions on use:

This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. While this material is not considered hazardous, this MSDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This MSDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package label or instruction sheet

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENTS | % COMPOSITION (Wt) (APPROX.) |
|---------------------------------|------------------------------|
| De-ionized water | 29.0 |
| Ethanol (99.9%) | 50.0 |
| Isopropyl Alcohol (99.9%) | 20.0 |
| Glycerine (propane-1,2,3-triol) | 0.4 |
| Proprietary organic blend | 0.5 |
| Fragrance | 0.1 |
| Total % Composition (Wt) | - 100.0 |

SECTION 3: HAZARDS IDENTIFICATION

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GHS Classification

Flammable liquids : Category 3
Eye irritation : Category 2A
Hazard Statements: H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.

SECTION 4: FIRST AID MEASURES

General information: In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.

If inhaled: Supply fresh air; consult doctor in case of complaints.

In case of skin contact: Generally, the product does not irritate the skin. If irritation occurs wash with water and soap.

In case of eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention.

If swallowed: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Information for doctor:

Treat symptomatically and supportively.

SECTION 5: FIRE FIGHTING METHODS

Suitable extinguishing media: Water spray; Alcohol-resistant foam; Dry chemical; Carbon dioxide (CO₂)

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.

Hazardous combustion products: Carbon oxides

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use water spray to cool unopened containers.

Remove undamaged containers from fire area if it is safe to do so.

Evacuate area.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.
Use personal protective equipment.
Follow safe handling advice and personal protective equipment recommendations.

Dispose contaminated material as waste in accordance with the local, State, Provincial, and Federal regulations for your location.

SECTION 7: HANDLING AND STORAGE

Handling: Wear appropriate PPE for chemical handling. Avoid contact or contamination of product with incompatible materials such as strong Bases or Amines.

Storage: Preserve integrity of container. The product should be stored in the original containers in a cool and dry location without any possible ignition sources.

SECTION 8: EXPOSURE CONTROLS/PERSONNEL PROTECTION

Engineering measures: Minimize workplace exposure concentrations.

Use only in an area equipped with explosion proof exhaust ventilation.

Use with local exhaust ventilation.

Personal protective equipment

Respiratory protection: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Material : Impervious gloves

Material : Flame retardant gloves

Remarks : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection: Wear the following personal protective equipment: Safety goggles

Skin and body protection: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.

Wear the following personal protective equipment:

Flame retardant antistatic protective clothing.

Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures:

Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------|---|
| PHYSICAL STATE | Gel |
| APPEARANCE | Clear to light cream colour |
| ODOUR | Perfumed alcohol |
| DENSITY | 0.81 g/cm ³ |
| SOLUBILITY IN WATER | Complete |
| pH (100%) | 6.5 - 8.5 |
| VISCOSITY | 1,000 - 17,000 mm ² /s (20 °C) |
| FREEZING POINT | No data |
| BOILING POINT | 73 °C |

SECTION 10: STABILITY AND REACTIVITY

| | |
|--|---|
| Reactivity : | Not classified as a reactivity hazard. |
| Chemical stability: | Stable under normal conditions. |
| Possibility of hazardous reactions: | Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents. |
| Conditions to avoid: | Heat, flames and sparks. |
| Incompatible materials: | Oxidizing agents |
| Hazardous decomposition products: | No hazardous decomposition products are known. |

SECTION 11 : TOXICOLOGICAL AND ECOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation:

Not classified based on available information.

SECTION 12: TRANSPORTATION AND DISPOSAL INFORMATION

Regulation:

49 CFR

UN/ID/NA number: UN 1987

Proper shipping name: ALCOHOLS, N.O.S.

Class: 3

Packing group: III

Labels: FLAMMABLE LIQUID

SECTION 13: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

SECTION 14: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) III RATING.

| | | |
|------------------------|----------|---------------|
| HEALTH | 1 | 0 - Minimal |
| FLAMMABILITY | 3 | 1 - Slight |
| PHYSICAL HAZARD | 0 | 2 - Moderate |
| | | 3 - High |
| | | 4 - Very High |



TYPICAL PHOTOS AND PACKAGING SIZES OF MACJAMES® HandSafe - ADVANCED INSTANT HAND SANITIZER GEL

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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