

ROYAL CHEMICALS COMPANY	QC Department	Material Safety Data Sheet
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MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- **Product identification**

Synonyms/Trade Names: Distilled-Palm-Kernel-Fatty-Acid

- **Product uses**

The most common uses for this product include being used for the production of soaps, emulsifiers, lubricants, carriers and soap surfactant.

- **Company/undertaking identification**

Egypt: Royal Chemicals Company
industrial-area
Port-said,
Egypt

Office: 3 Mohmoud Sedki St.
B.O.-Box:538-Port-Said
Egypt.
Tel. No.(+20663241540)-50-60-70

2. COMPOSITION & INGREDIENTS

Name	CAS No.	EC-No. Wt/Wt %
Fatty acids, C8-18 and C18 unsaturated	67701-05-7	2669290 100

3. HAZARDS IDENTIFICATION

- Emergency Overview: USA-OSHA: Non-hazardous
- Potential Health Effects:

Eye

-Accidental exposure to the eyes will cause only a mild but transient irritation

Skin

- Mild, primary skin irritation with prolonged or repeated contact.
Heated product may cause thermal burns if contacted.

Inhalation

- Not applicable at ambient temperature.

Ingestion

- Incidental ingestion should not cause injury.

If product is heated, vaporization can occur. Eye, skin, and upper respiratory irritation can occur.

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- **Physical/Chemical Hazards-** None identified.
- **Environmental Hazards-** None identified.

4. FIRST AID MEASURES:

- **Eye**
 - In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- **Skin**
 - Wash skin with soap and water upon contact. Remove contaminated clothing. If irritation develops, get medical attention. Wash clothing before reuse.
- **Inhalation**
 - Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- **Ingestion**
 - If swallowed, do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person

5. HANDLING AND STORAGE:

- **Handling:**
 - Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.
 - Since empty containers contain product residue, follow all hazard warnings and precautions even after container is emptied. Keep away from sources of ignition.
- **Storage:**
 - Keep away from possible contact with incompatible substances.
 - Should be stored in resin-lined steel, aluminum, stainless steel, or reinforced fiberglass vessels.
 - Do not store near sources of ignition.

6. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **General Precautions:**
 - Good industrial hygiene practices should be followed.
 - Avoid breathing (heated) vapors. Avoid eye and skin contact.
 - **Exposure Limit Values:**
 - Not established.
 - **Exposure Controls:**
 - Engineering Controls:** Ventilation: Local exhaust - preferred
- Mechanical**
- may be necessary if working at elevated temperatures

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or in enclosed areas.

Personal Protective Equipment:

Eye

- Goggles or face shield with goggles, dependent upon potential exposure

Skin

- Protective gloves: Rubber

Dependent upon degree of potential exposure, additional personal protective equipment may be required, such as chemical boots and full protective clothing.

Inhalation

- None required for ambient temperature, although an appropriate NIOSH/MSHA approved air-purifying respirator should be used if a mist or vapor is generated. A NIOSH/MSHA approved self-contained breathing apparatus or air-supplied respirator is recommended if the concentration exceeds the capacity of cartridge respirator.

WARNING: Air purifying respirators do not protect workers in oxygendeficient atmospheres.

Other Controls: Boots, eye wash fountain, safety shower, apron, protective clothing.

7. TOXICOLOGICAL INFORMATION

(Based on coconut fatty acid mixture)

Acute Oral Toxicity

Practically non-toxic. The acute oral LD₅₀ for rats is greater than 22 g/kg of body weight.

Skin Safety

Undiluted coconut fatty acids produced mild, primary irritation on normal skin in a 24-hour occluded patch test with humans.

Eye Safety:

Undiluted coconut fatty acids produced mild transient eye irritation with rabbits.

8. ECOLOGICAL INFORMATION

(Based on coconut fatty acid mixture)

-The 96 hour LC₅₀ for Bluegills was \approx 900 mg/l.

-Microbiological Inhibition: None at 10,000 mg/l.

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