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| <b>ROYAL CHEMICALS<br/>COMPANY</b> | <b>QC Department</b> | <b>Material Safety Data<br/>Sheet</b> |
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## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

(Pre-registration No.05-2115725548-39-0000)

|  |                |                   |
|--|----------------|-------------------|
| <b>Material Name</b>                                     | <b>CAS NO.</b> | <b>EINECS NO.</b> |
| <b>Fatty Acids, C16-18, and C18 unsatd.</b>              | 84625-38-7     | 283-413-0         |
| Synonyms/Trade Names: Distilled Sunflower-Oil Fatty Acid |                |                   |

|                                |   |
|--------------------------------|---|
| <b>Company Identification:</b> | Royal-Chemicals-Company.<br>B.O.Box:538<br>Port said,<br>Egypt.<br>Tel.: +20(66)3241540-50-60-70<br>Fax: +20(66)3241530 |
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### 2. HAZARDS IDENTIFICATION :

Not classified as hazardous according to the EEC Dangerous Substance Directive and Dangerous Preparation Directive.

### 3. 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 persists, 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. This product is considered to be relatively harmless to man

### 4.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:

Should be stored in resin-lined steel, aluminum, stainless steel or reinforced fiberglass vessels. Keep away from possible contact with incompatible substances. Do not store near possible sources of ignition.

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| <b>Originator</b><br>Amr Diab | <b>Q.C. Manager</b><br>M.ELSHAMY | <b>Dep. Leader</b><br>Mohammed Elkhodery | <b>QA Plant Leader</b><br>Marawan Salman |
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## 5.EXPOSURE CONTROLS; PERSONAL PROTECTION

### Engineering Controls:

**Ventilation:** Local exhaust – preferred Mechanical (general) - may be necessary if working at elevated temperatures or in enclosed areas.

### Personal Protective Equipment:

#### Eye

- Goggles or face shield with goggles, dependent upon potential exposure –
- **Skin** - Protective gloves: Rubber or plastic 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 oxygen-deficient atmospheres. Other Controls: Eye bath, safety shower, apron, protective clothing.

## 6.TOXICOLOGICAL INFORMATION

No experimental toxicological data of the product as such available yet.

## 7.ECOLOGICAL INFORMATION

Degradation Biotic: Biodegradable

## 8.ADDITIONAL REGULATORY INFORMATION

Following our present stage of knowledge, not be classified according to directives 67/548EWG and 88/379/EWG

### ATTENTION:

This safety data sheet reflects our present knowledge and describes the product as to its safety requirements. It does not assure any characteristics but gives recommendations for safe storage and handling measures. Receivers have to observe any legal regulation in their own responsibility.

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| Originator<br>Amr Diab | Q.C. Manager<br>M.ELSHAMY | Dep. Leader<br>Mohammed Elkhodery | QA Plant Leader<br>Marawan Salman |
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