

# MATERIAL SAFETY DATA SHEET

## MSDS V-111 REVISION 5

THE DIAL CORPORATION  
CENTER FOR INNOVATION  
15101 NORTH SCOTTSDALE ROAD  
SCOTTSDALE, ARIZONA 85254-9934

MEDICAL EMERGENCIES: 1-888-689-9082  
CHEMTREC: 1-800-424-9300 (24 Hours Daily)  
OTHER INFORMATION: 1-888-468-6673

### SUBSTANCE IDENTIFICATION

SUBSTANCE: FATTY ACIDS

TRADE NAMES/SYNONYMS: **PALM STEARIN FATTY ACID, REFINED, BLEACHED, and DEODORIZED**

TSCA NAME: FATTY ACIDS, PALM OIL

CHEMICAL FAMILY: Aliphatic carboxylic acids

I.D. NUMBER: 800358

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=0 REACTIVITY=0  
HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=1 FLAMMABILITY=0 REACTIVITY=0

### HAZARDOUS INGREDIENT INFORMATION

COMPONENT: FATTY ACIDS, PALM OIL CAS# 68440-15-3

Carcinogen status of components: Not listed as carcinogenic by NTP, IARC, or OSHA.

### PHYSICAL AND CHEMICAL DATA

DESCRIPTION: A white, semi-solid material having a characteristic fatty odor. Clear, almost colorless to amber liquid above 50 °C.

MELTING POINT: 52 °C

SPECIFIC GRAVITY: 0.861 @ 20 °C

ACID VALUE: 208-212 range.

SOLUBILITY IN WATER: < 0.1 %

### FIRE AND EXPLOSION DATA

FLASH POINT: 365 °F (COC)

OSHA FLAMMABILITY CLASSIFICATION: III B

FIRE AND EXPLOSION HAZARD - Negligible fire hazard when exposed to heat or flame.

FIRE FIGHTING MEDIA - Dry chemical, carbon dioxide, water spray or regular foam. For larger fires, use water spray, fog or regular foam.

FIRE FIGHTING - Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

### HEALTH HAZARD DATA

NOTE: The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are

consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

#### ACUTE HEALTH EFFECTS:

- INHALATION:** Unlikely to occur due to the physical properties of the product. However, if vapors are generated, irritation to mucous membranes and upper respiratory tract with sore throat and coughing may occur.
- SKIN CONTACT:** Repeated or prolonged excessive exposure may cause irritation or dermatitis.
- EYE CONTACT:** May cause significant irritation with pain, burns and corneal opacity. May cause irreversible damage.
- INGESTION:** May cause sore throat, abdominal pain and diarrhea.

**CHRONIC HEALTH EFFECTS:** None known.

**MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:** Persons with pre-existing skin disorders.

---

### EMERGENCY AND FIRST AID PROCEDURES

---

**INHALATION:** Remove from exposure area to fresh air immediately. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center if symptoms persist or recur.

**SKIN CONTACT:** Immediately remove contaminated clothing and shoes. Rinse affected area with plenty of water until no evidence of material remains. Get medical attention if irritation persists.

**EYE CONTACT:** Immediately rinse eyes with plenty of water, occasionally lifting upper and lower lids, until no evidence of material remains. Get medical attention if pain or irritation persist.

**INGESTION:** Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

---

### REACTIVITY

---

**REACTIVITY** - Stable under normal temperatures and pressures.

**INCOMPATIBILITIES:** Strong oxidizers, bases, reducing agents, metals.

**DECOMPOSITION** - Thermal decomposition may release acrid smoke and irritating fumes. Hazardous decomposition products may include carbon monoxide and carbon dioxide.

**POLYMERIZATION** - Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

---

### STORAGE AND DISPOSAL

---

Store away from incompatible substances. Store in a tightly closed container. Observe all federal, state and local regulations when storing or disposing of this substance.

---

### CONDITIONS TO AVOID

---

May burn but does not ignite readily. Avoid contact with incompatible substances and excessive heat.

## SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL -Sweep up and place in suitable clean, dry containers for reclamation or later disposal. Do not flush spilled material into sewer. Keep unnecessary people away.

## OCCUPATIONAL PROTECTIVE EQUIPMENT

VENTILATION - Provide general dilution ventilation system.

RESPIRATOR -If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS -

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

CLOTHING - Protective clothing is required where repeated or prolonged skin contact may occur.

GLOVES - Chemical-resistant gloves are required where repeated or prolonged skin contact may occur.

EYE PROTECTION - Safety glasses are required to prevent eye contact where dusty conditions are anticipated.

EMERGENCY WASH FACILITIES - Where there is any possibility that an employee's eyes and/or skin may be exposed to this substance, the employer should provide an eye wash fountain and quick drench shower within the immediate work area for emergency use.

## REGULATORY INFORMATION

DOT FLAMMABILITY CLASSIFICATION:	Not applicable.
EPA - SARA TITLE III SECTION 313:	Toxic chemical - None.
TSCA:	All components of this product are listed or are exempted or excluded from listing on the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.

-----

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, The Dial Corporation makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, The Dial Corporation will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.

-----

MSDS CREATION DATE: 03/05/92

SUPERSEDES: Rev. 4; 12/29/97

REVISION DATE: 11/02/04

REVISION: Updated address information, Substance ID and Hazardous Ingredients sections.