

Material Safety Data Sheet

SECTION I

PRODUCT NAME OR NUMBER (AS IT APPEARS ON LABEL):

AEB-2031  
STEARIC ACID OAS

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MANUFACTURER'S DUNNS NO. 08 383 8045

HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD  
CLASSES, HAZARD ID NO:

Stearic Acid

CHEMICAL FAMILY: Fatty acid

FORMULA: CH<sub>3</sub>(CH<sub>2</sub>)<sub>16</sub>COOH

SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	%V	CHEMICAL NAMES	LISTED AS A CARCINOGEN IN NTP, IARC OR OSHA 1910(Z) SPECIFY
57-11-4	100		Stearic Acid	No

SECTION III - PHYSICAL DATA

Boiling point: 383C (721F)      SPECIFIC GRAVITY = 0.94 @20C/4C  
(WATER = 1)

% Volatile by volume @ 21C (70F): 0

Vapor pressure (mm Hg): 1 @ 173.7C (345F)

Percent solid(s) by weight % = 100

Vapor density (air = 1): 9.8

Evaporation rate: No information found

Solubility in water: Insoluble                      pH: No information found

Melting point: 69-70C (156-158F)

Appearance: white or yellowish-white powder.

Odor: Odor resembles fats and oils.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point: 196

Flammable limits: LEL: n/a

UEL: n/a

Fire: As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Melted fatty acid can give "grease" type fire.

Explosion: Fine dust dispersed in air in sufficient concentrations, and the presence of an ignition source is a potential dust explosion hazard.

Fire extinguishing media: Dry chemical, foam or carbon dioxide. Pressure from the extinguishing media may cause severe dusting. Do not use heavy streams of water, molten material will float on water.

Special Fire-fighting Information: In the event of a fire, wear full protective clothing and a NIOSH-approved self-contained breathing apparatus with full facepiece operated in the positive pressure mode.

#### SECTION V HEALTH HAZARD DATA

(ACGIH) Threshold Limit Value (TLV): 10mg/m<sup>3</sup> total dust containing no asbestos and <1% crystalline silica for Particulates Not Otherwise Classified (PNOC)

(OSHA) Permissible exposure limit (PEL): 15 mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable fraction for nuisance dusts.

Effects of overexposure:

Inhalation - May cause irritation to the respiratory tract. Symptoms may include coughing, sore throat, labored breathing, and chest pain.

Ingestion - Large oral doses may cause irritation to the gastrointestinal tract. Ingestion may cause intestinal obstruction.

Skin Contact - May cause irritation with redness and pain.

Eye Contact - May cause irritation, redness and pain.

Chronic Exposure - No adverse health effects expected.

Aggravation of Pre-existing Conditions - No information found.

Emergency and first aid procedures:

Inhalation - Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion - Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact - Immediately flush skin with plenty of water for at least 15 minutes. Call a physician if irritation develops.

Eye Contact - In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, liftion upper and lower eyelids occasionally. Call a physician if irritation persists.

#### SECTION VI REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.

Incompatibility: Strong oxidizers, Strong bases

Hazardous decomposition products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous polymerizations: Will not occur.

Conditions to avoid: Heat, flame, ignition sources, dusting and incompatibles.

#### SECTION VII SPILL OR LEAK PROCEDURE

Steps to be taken in case material is released or spilled: Wear appropriate protective clothing.

Waste disposal: Mix with sand and transfer carefully to container and arrange removal by a disposal company. Wash site of spillage with water and detergent.

Comply with state, federal, and local regulations.

Reportable quantities in lbs.:

CERCLA n/a                      SARA n/a                      OTHER n/a

#### SECTION VIII SPECIAL PROTECTION

Eye protection: Goggles or face shield.

Skin protection: Rubber or plastic gloves and labcoat.

Respiratory Protection: For routine handling, half face dust/mist respirator is sufficient.

Ventilation system: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

#### SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing and/or other precautions: none

#### SUPPLEMENTAL INFORMATION

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