

AERCHEM INC.
400 W. 7th Street, Suite 112
Bloomington, IN 47404

Telephone: 812.334.9996

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Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 1/8/97
Product Name: Octadecanoic acid
Common Name: Stearic acid

Chemical Formula: C₁₈H₃₆O₂
CAS No.: 57-11-4

SECTION 2: HAZARDOUS INGREDIENTS:

Acute Health effects: Very slightly to slightly dangerous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation. Slightly dangerous to dangerous in case of ingestion

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance and Odor:	solid, odor threshold = 20 ppm
Boiling point:(760 mm Hg)	383 °C (721 °F)
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water=1):	0.9408 (water=1)
Solubility in water:(by weight)	insoluble in cold water
Melting Point:	69.3 °C (156.7 °F)
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flash point:	closed cup: 196°C(384.8°F)
Flammable limit:	n/a
Extinguishing Media:	SMALL FIRE: dry chemicals, CO ₂ , water spray or foam LARGE FIRE: water spray, fog or foam. Do not use water jet.
Unusual Fire and Explosion Hazards:	highly flammable in presence of oxidizing materials

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable Unstable

Conditions to Avoid:	n/a
Incompatibilities:	highly reactive with oxidizing agents
Hazardous Decomposition or byproducts:	
Hazardous Polymerization:	none

SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV):

Permissible Exposure Limit: TWA: 10 (mg/m³) from ACGIH

Toxicity: n/a

Oral LD50 (rat):

NTP:

IARC Monographs:

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SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

First Aid:

Eyes: No known effect on eye contact, rinse with water for few minutes.

Skin: If it gets onto clothing, remove clothing, protecting your own hands and body. Place victim under deluge shower. If it touches exposed skin, gently and thoroughly wash skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover irritated skin with emollient. Seek medical attention if irritation persists.

Inhalation: Allow victim to rest in well ventilated area.

Ingestion: Remove any dentures. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat.

Spillage: Use appropriate tools to put the spilled solid in convenient waste disposal container. Finish cleaning by spreading water on contaminated surface and dispose of according to local and regional authority requirements.

Disposal: Recycle to process, if possible. Consult your local or regional authorities

SECTION 8: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Other Precautions: Keep away from heat, sources of ignition, strong oxidizing agents. Keep in cool, dry place. Ground all equipment containing material. Do not breathe dust.

SECTION 9: SPECIAL PROTECTION INFORMATION

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

or

Eye Protection: safety glasses

Protective Gloves: in case of large spill

Respiratory Protection:
