

Material Safety Data Sheet

Potassium stearate

Section 1 - Chemical Product and Company Identification

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Synonyms: Octadecanoic acid, potassium salt

CAS#: 593-29-3

DOT Hazard Class: Not regulated

Section 2 - Composition, Information on Ingredients

Potassium stearate 99% min

Section 3 - Hazards Identification

EMERGENCY OVERVIEW: White powder with a slight fatty odor. It presents little or no health hazard and no unusual hazard if involved in a fire.

POTENTIAL HEALTH EFFECTS:

Skin: May cause skin irritation

Eyes: May cause irritation or burning.

Inhalation: May cause irritation to the respiratory tract.

Ingestion: Not a hazard with normal industrial usage

CARCINOGENICITY: Not listed under OSHA, IARC, or NTP

Section 4 - First Aid Measures

Skin: Immediately wash skin with soap and water for at least 15 minutes

Eyes: Immediately flush with plenty of water for at least 15minutes, holding eyes lids apart.

Inhalation: Remove to the fresh air, If not breathing give artificial respiration, If breathing is difficult, give oxygen .

Ingestion: Wash out mouth with water, Do not induce vomiting without medical advice.

On Of The Above: Consult a physician if symptoms persist.

Section 5 - Fire Fighting Measures

Flash Point: Approx. 230⁰C (C.O.C method)

Flammable Limits: 20g/m³ for particles < 74 μ

Extinguishing Media: Use media that is appropriate to treat surrounding fire. Do not use water jet as an extinguishing media.

Special Fire Fighting Procedure: Use fire fighting procedure that is appropriate to treat surrounding fire, All firefighters should use self-contained breathing apparatus and full fire-fighting turnout gear.

Unusual Fire Explosion Hazard: Not known

Auto Ignition Temperature: Not Applicable.

Section 6 - Accidental Release Measures

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill: sweep up, collect, place in a disposal container, Avoid turnoff into storm sewers and ditches which lead to waterways.

Section 7 - Handling and Storage

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry areaway from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

Section 8 - Exposure Controls, Personal Protection

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENE PRACTICES: As required to protect skin and eyes form dust, safety showers and /or eye wash should be available, Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

Section 9 - Physical and Chemical Properties

Boiling Point: Not Applicable.

Vapor Pressure (MM Hg): Not Applicable.

Vapor Density (AIR-1): Not Applicable.

Specific Gravity (H2O-1): 1.06g/cc

Bulk Density: 200-250g/l

Melting Point: 200-210⁰C

Evaporation Rate (Butyl Acetate-1):Not Applicable.

Solubility in Water: Soluble.

PH: Not Applicable.

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures

Hazardous Polymerization: Will not occur under normal conditions.

Hazardous Decomposition Products: None under normal storage and handling conditions.

Keep Away From: Open flames, hot surfaces and sources of ignition. Dust may form explosive moisture in the air.

Section 11 - Toxicological Information

1. D₅₀/oral/rat: >2000mg/kg

Section 12 - Ecological Information

Biodegradable.

Potassium stearate

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Section 13 - Disposal Considerations

Dispose of in accordance with all federal, state and local regulation.

RCRA WAST#: Not Listed.

Section 14 - Transport Information

Potassium Stearate: Not Regulated.

Section 15 - Regulatory Information

OSHA STATUS: Not Listed

TSCA STATUS: Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substances: Unlisted.

Section 313 Toxic Chemical: Unlisted.

Section 311/312 HAZARD category: Not Considered a Hazard

Section 16 - Additional Information

MSDS Revision Date: 15/11/2007

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