

# SAFETY DATA SHEET

Date Printed: 05/18/2024

Date Revised: 01/15/2022

## SECTION 1. IDENTIFICATION

**Product Identifier:** Potassium Stearate

**Product Code:** K-STAT-01-P

**CAS Number:** 593-29-3

**Relevant identified uses of the substance:** Scientific research and development

Supplier details:

American Elements  
10884 Weyburn Ave.  
Los Angeles, CA 90024  
Tel: +1 310-208-0551  
Fax: +1 310-208-0351  
Emergency telephone number:  
+1 800-424-9300

## SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Physical Hazards: Not Classified

Health Hazards:

Skin irritation: Category 2

Eye irritation: Category 2

Acute aquatic toxicity: Category 1

Signal Word: Warning



Hazard Statement:

Causes skin irritation

Causes serious eye irritation

Very toxic to aquatic life

Precautionary Statement:

Prevention

Wash skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid release to the environment

Response

IF ON SKIN: Wash with plenty of soap and water.

Specific treatment (see first aid measures on this label).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Disposal

Dispose of contents/ container to an approval waste disposal plan.

Note: Concentrated dust may present an explosive hazard.

---

## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Product / CAS Number:

Potassium Stearate Powder / 593-29-3

---

## **SECTION 4. FIRST AID MEASURES**

If inhaled: Remove to fresh air. Get medical attention for any breathing difficulty

In case of skin contact: Wash with clean water. Get medical advice if needed.

In case of eye contact: Wash thoroughly with running clean water. Get medical advice if irritation develops.

If swallowed: Rinse mouth with water. Seek medical advice.

Acute and delayed symptoms: To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

First aid and notes for physicians: No data available

---

## **SECTION 5. FIREFIGHTING MEASURES**

Flash Point: n/a

Suitable extinguishing media: Carbon dioxide, dry chemical powder, alcohol foam, water spray.

Water or foam may cause frothing.

Unsuitable extinguishing media : Water jet

Special hazards arising from the substance or mixture: Carbon monoxide and carbon dioxide and Potassium oxides.

Advice for firefighters: In the event of a fire, wear full protective clothing and approved self-contained breathing apparatus. Fight fire from a safe distance or protected location. Under certain conditions a dust cloud of calcium stearate can explode when ignited by a spark, flame or other ignition source. Must avoid generating dust to minimize risk

---

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal protective equipment:

Eye - Wear appropriate protective safety glasses

Skin – Wear appropriate protective gloves and clothing. Put on an appropriate respirator

Containment: Keep unnecessary personnel away. Eliminate all sources of ignition.

Do not allow the spilled product to enter sewers or open waterways

Clean-up Procedures: Dust deposits should not be allowed to accumulate on surfaces, as these may

form

an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid the generation of dust during the clean-up. Vacuum spills or cover with damp sand or saw-dust if sweep. No sparking tools should be used

---

## **SECTION 7. HANDLING AND STORAGE**

Handling: Open packaging bag carefully, avoid spillage and dust formation and control ignition sources.

Use this product with adequate ventilation. Wash hands after handling.

Storage: Store in cool, dry place to avoid the effects of heat and moisture. Keep container tightly closed and properly labeled. Avoid exposure to sunlight, heat and spark. Ground all equipment containing material.

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

---

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure limit: ACGIH TLV: TWA 10mg/m<sup>3</sup> (Total),

Engineering controls: General room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits.

Personal protective equipment

Respiratory: An appropriate dust respirator. Should be used as a precautionary measure where airborne contaminants may occur.

Eye: Safety glasses. A face-shield, if the situation requires.

Hand: Protective gloves

Body: Overall or dust cloth, change daily.

---

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Fine, white powder, granule

Odor: Slight fatty acid odor

Odor threshold: Data not available

pH (water slurry at 25°C): Data not available

Melting point (°C): > 200°C

Initial boiling point and boiling range: Data not available

Flash point: Data not available

Evaporation rate: Not applicable

Flammability: Non-flammable but combustible

Lower flammable (Explosive) limit: Data not available

Vapor Pressure: Not applicable

Solubility: Soluble in hot water

Relative density: 0.95 – 1.15

Vapor density: Data not available

Octanol / water partition coefficient: Data not available -

Decomposition temperature: Data not available

Viscosity: Not applicable

---

## **SECTION 10. STABILITY AND REACTIVITY**

Chemical stability: Stable under normal condition of storage & transport

Conditions to avoid: Incompatible materials, static charge, sparks, heat and other ignition sources, generation of dust

Hazardous reactions: Decomposed by acids, oxidizing agents and alkalies

Decomposition products: Carbon monoxide, carbon dioxide and calcium oxide fume

---

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Routes of exposure: Can occur through inhalation, ingestion and eye or skin contact.

Acute health effects

Eye contact: Causes serious eye irritation.

Skin contact: Skin irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Chronic health effects: Long term exposures to high concentration of dust may cause increased mucous flow in the nose and respiratory system airways. This condition usually disappears after exposure ceases.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

Mutagenicity: No information available.

---

## **SECTION 12. ECOLOGICAL INFORMATION**

Aquatic and terrestrial Ecotoxicity: Very toxic to aquatic life.

Persistence and degradability: No information available.

Bioaccumulation: Not information available.

Mobility in soil: No information available.

The product should be prevented from entering drains, sewers, streams etc.

---

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal method: Dispose of waste in accordance with local regulations and acts. Contaminated packaging must be treated in the same manner as the product itself

Precautions for disposal: Prevent material from entering drains, sewers, streams etc.

---

## **SECTION 14. TRANSPORT INFORMATION**

UN No.: Not regulated

UN proper shipping name: Not regulated

Transport hazard class: Not regulated

Packing group: N/A

Special shipping instructions: N/A

---

## **SECTION 15. REGULATORY INFORMATION**

AICS, DSL, ENCS, PICCS On the inventory list

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

---

## **16. OTHER INFORMATION**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.