

MATERIAL SAFETY DATA SHEET

<u>USA</u> Nutrinova Inc. 285 Davidson Avenue, Suite 102 Somerset, NJ 08873 / USA Product information: 1-800-786-3883	<u>Other countries</u> Nutrinova Nutrition Specialties & Food Ingredients GmbH Industriepark Höchst 65926 Frankfurt am Main / Germany Product Information: +49-(0)69-305-83518	<u>Emergency Phone:</u> 1-800-424-9300 (CHEMTREC) <u>Issued:</u> December 2002 <u>Reviewed:</u> December 2002
---	---	--

Identification

Product Name: Sunett®
Synonyms: Acesulfame K; Acesulfame Potassium; 6-methyl-1,2,3-oxathiazine-4,3(H)-one-2,2-dioxide, potassium salt.
Formula: C₄H₄NO₄SK
Molecular Wt: 201.2
CAS Number: 55589-62-3

Hazardous Ingredient

None

Physical Data

Melting Point: Decomposes from 210 °C
Solubility in Water: 270 g/l at 20° C
Percent Volatiles by Weight: < 1 %
Appearance and Color: White crystalline powder. Odorless.

Fire and Explosive Hazard Data

Ignition Temperature: Grinding or milling temperatures should not exceed ca. 120°C.
Extinguishing Media: Carbon Dioxide, water spray, foam or dry chemical.
Special Fire Fighting Procedures: None
Additional Hazards: Fine powder may present the possibility of dust explosion. NFPA dust explosion rating St-1. This rating applies to other common food ingredients such as sugar.

Reactivity Data

Stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Dusting of material.
Materials to Avoid: None identified.
Hazardous Decomposition Products: Carbon monoxide, oxides of nitrogen, oxides of sulfur.

Toxicity Information

Acute Toxicity:
Ingestion: Oral rat LD₅₀ = 7.43 g/kg. Not metabolized; considered non-toxic.
Inhalation: No applicable information.
Eye Contact: Non-irritating.
Skin Contact: Non-irritating.

Chronic:

Carcinogenicity: Chronic administration to animals showed no carcinogenic effects.
Reproductive: Administration to animals did not result in adverse effects on reproduction or fetal development.
Other: No significant toxic effects in various chronic and sub-chronic tests.
Mutagenicity: Not mutagenic
Target Organs: None known.

Exposure Limits

OSHA PEL (nuisance/inert dust): 5 mg/cu m (respirable)
15 mg/cu m (total)

First Aid Measures

Ingestion: None recommended.
Inhalation: None recommended. Consult physician if irritation of respiratory passages occurs.
Skin Contact: None recommended.
Eye Contact: Flush thoroughly with water for 15 minutes. If irritation occurs and persists, contact a physician.

Special Protection Information

Respiratory Protection: NIOSH approved dust mask.
Ventilation: Local exhaust.
Eye Protection: Chemical safety goggles.

Spill Procedures

Steps: Observe good personal hygiene practices to limit exposure. Sweep up or use explosion-proof vacuum to clean spill. All cleanup and disposal should be carried out in accordance with federal, state and local regulations.
Waste Disposal Method: This material is not considered hazardous under RCRA. Dispose of by landfill or incineration.

Handling and Storage

Keep containers closed when not in use to prevent the potential for contamination of the product. Avoid breathing dust. Use good industrial hygiene practices. Store in a cool and dry area.

Other Regulatory: Regulated by the FDA (21CFR172.800) as a direct food additive.

The supplier makes no warranty of any kind, expressed or implied, concerning use of this product either singly or in combination with other substances. User assumes all risks incident to its use. To the best of our knowledge, the information contained herein is accurate. However, neither Nutrinova, Inc. nor any of its subsidiaries or affiliates assume any liability whatsoever for the accuracy or completeness of the information contained herein.