



U.S. Niutang Chemical Inc.

2913 Saturn St., Unit G , Brea, CA 92821
Tel: 714-993-6885/714-993-5285 Fax: 714-993-7889

MATERIAL SAFETY DATA SHEET FOR ACESULFAME-K

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: Acesulfame Potassium

The potassium salt of 6-methyl-1,2,3-oxathiazine-4(3H)-one-2,2-dioxide.

Company identification: US Niutang Chemical Company Inc. 2913 Saturn Street, Brea, California 92821

For emergencies, call: +1-714-993-6885

SECTION 2-COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	Chemical Name	%	EINECS#
55589-62-3	Acesulfame-K	99~101	Unlisted

****SECTION 3-HAZARDS IDENTIFICATION****

EMERGENCY OVERVIEW

Appearance: white crystalline powder.

Target Organs: none

Potential health effects:

The toxicological properties of this material have not been investigated; use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

****SECTION 4-FIRST AID MEASURES****

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Remove from exposure to fresh air immediately.

Notes to physician:

Treat symptomatically and supportively.

****SECTION 5-FIRE FIGHTING MEASURES****

General information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritation and highly toxic gases may be generated by thermal decomposition or combustion.



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Chronic:

Carcinogen city: Chronic administration to animal showed no carcinogenic effects.

Reproductive:

Administration to animals did not result in adverse effects on reproduction or fecal development.

Other: No significant toxic effects have demonstrated in various chronic and Sub-chronic tests.

Mutagenicity: Not considered mutagenic.

****SECTION 12-ECOLOGICAL INFORMATION****

Ecotoxicity :

Not available

****SECTION 13-DISPOSAL CONSIDERATIONS****

Dispose of in a manner consistent with federal, state, and local regulations.

RCRA D-Series Maximum Concentration of Contaminants:

None listed

RCRA D-Series Chronic Toxicity Reference Levels: none listed

RCRA F-Series: none listed

RCRA P-Series: none listed

RCRA U-Series: none listed

Not listed as a material banned from land disposal according to RCRA.

****SECTIION 14-TRANSPORT INFORMATION****

US DOT

No information available

IMO

Not regulated as a hazardous material.

IATA

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

CANADIAN TDC

No information available.

****SECTION 15-DISCLAIMER****

MSDS creation date: Sept 30, 2008

The information contained herein is based on data available to us and is believed to be correct, but the US Niutang Chemical Company Inc. assumes no responsibility for injury from the use of the product described herein.



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Respirators:

Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions.

****SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES****

Physical state: needle-like crystalline powder

Appearance:	white
Odor:	odorless
PH:	6.5-7.5, of a in 100 solution
Vapor Pressure:	not available
Vapor Density:	not available
Evaporation Rate:	not available
Viscosity:	not available
Boiling Point:	not available
Freezing/Melting Point:	225 deg C
Decomposition Temperature:	225 deg C
Solubility in Water:	27gms/100ml @ 20°C
Specific Gravity/Density:	not available
Molecular Formula:	C ₄ H ₄ HO ₄ KS
Molecular Weight:	201.24

****SECTION 10-STABILITY AND REACTIVITY****

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to avoid:

Dusting of material.

Incompatibilities with other material:

None identified

Hazardous Decomposition Products:

Carbon monoxide, Oxides of nitrogen, Oxides of sulfur.

Hazardous Polymerization:

Will not occur.

****SECTION 11-TOXICOLOGICAL INFORMATION****

Acute Toxicity:

Ingestion: oral-rat LD50=7430mg/kg. Not metabolized;

Considered non-toxic

Inhalation: No applicable information



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Extinguishing media: Carbon dioxide, water spray, foam or dry chemical.

Ignition Temperature: Grinding or milling temperature of the solid should not exceed 120°C.

NFPA Rating: NFPA dust explosion rating is same as other common food ingredients, such as sugar.

****SECTION 6-ACCIDENTAL RELEASE MEASURES****

General Information: use proper personal protective equipment as indicated in SECTION 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the protective equipment section. Sweep up, then place into a suitable container for disposal.

****SECTION 7-HANDLING AND STORAGE****

Handling:

Wash thoroughly after handling, remove contaminated clothing and wash before reuse, avoid contact with eyes, skin and clothing, avoid ingestion and inhalation.

Storage:

Store in a cool, dry place, keep container closed when not in use.

****SECTION 8-EXPOSURE CONTROLS, PERSONAL PROTECTION****

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits, use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA-FINAL PELS
Acesulfame-K	None listed	None listed	None listed

OSHA VACATED PELS:

Acesulfame_k

No OSHA Vacated PELS are listed for this chemical.

Personal protective equipment

Eyes:

Wear safety glasses and chemical goggles if splashing is possible.

Skin:

Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.