



MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY

IDENTIFICATION

MATERIAL NAME: ACESULFAME POTASSIUM ,ACESULFAME K

EU NO: E950

STANDARD: FCC ,USP,BP,JP,GB

CAS NUMBER: 55589-62-3

SYNONYMS: 6-mythyle -1,2,3-oxathiazine-4(3H)-one-2,2 Dioxide ,Potassium Salt.

Contact Information:

Company: Aurora Industry Co.,Ltd.

Address:Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China

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SECTION 2 - HARZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: free flowing crystalline powder.

Color & odor: white color, odor less.

DUST EXPLOSION HAZARD

POTENTIAL HEALTH EFFECTS

Relevant Routes of Exposure: inhalation, ingestion, skin contact, and eye contact.

Target organs: Respiratory system , Gastrointestinal system , renal system ,dermal system,

Ocular system .

Acute Effects:

General: May cause mucous membrane irritation (inflammation).May cause gastrointestinal

effects such as nausea , vomiting ,Diarrhea, constipation, cramps, and loss of appetite.

Skin: May cause skin irritation.

Eye: May cause eye irritation.

Chronic Effects:

General: May increase relative disease.

Carcinogenicity: Not listed by NTP, IARC, or OSHA.

Conditions Aggravated: Hemachromatosis, thalassemia, sideroblastic or sickle cell anemia .

SECTION 3 – COMPOSTION /INFORMATION ON

INGREDIENTS



INGREDIENTS NAME: ACESULFAME K

CAS NUMBER: 55589-62-3

CONCENTRATION: 99.0 Min

SECTION 4 --- FIRST AID MEASURES

Inhalation: Remove to fresh air. Get medical attention. if not breathing ,Give artificial respiration.

if breathing is difficult , administer oxygen by qualified personnel.

Skin Contact: Remove contaminated clothing and shoes. Wash skin with soap and plenty of

water. If irritation occurs or persists , get medical attention. Wash clothing and shoes before

reuse.

Eye contact: Immediately flush eyes with plenty of water. If irritation occurs or persists, get medical attention .

Ingestion: If large quantities of this material are swallowed , get medical

Attention immediately. Do not induce vomiting unless directed by medical personnel.

Never give

anything by mouth to an unconscious person.

SECTION 5 --- FIRE FIGHTING MEASURES

Flash point: not applicable

Extinguish media: water spray, carbon dioxide ,and only Tri-class type ABC chemical extinguishers

Unusual fire and explosion hazards: dust explosion hazard.

Fire fighting instructions:

Wear NIOSH /MSHA approved positive pressure , self contained breathing apparatus and full protective turn out gear. Use water to keep fire exposed containers cool.

Use caution in approaching fire.

Auto Ignition

Temperature: 1220 F

ST: 1, Earthman Tube.

SECTION 6 --- ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP:

Procedures: Review section 3 hazards Identification, and Section 8-Exposure controls

Personal Protection before proceeding with the clean up. Shut off the sources of the spill or leak if it is safe to do so. Eliminate possible ignition sources Scoop or shovel spilled material into a suitable labeled open head drum. Secure the drum cover and move the container to a safe holding area. Clean spill area thoroughly.

Treatment and Disposal: Dispose of in accordance with recommendations in section



13 Disposal considerations.

Reporting Requirement: not applied.

SECTION 7 --- HANDLING AND STORAGE

Storage Temperature

(Min/max): < 25 Deg C

Shelf Life: 5 years

Special Sensitivity: Do not heat above 100 degrees C , Light , Moisture, Heat.

Handling & Storage Precautions:

Do not generate dust or expose to ignition sources. Ground and bond all transfer equipment. Milling /Mixing /Drying should be performed in devices equipped with explosion relief or suppression systems or under inert conditions.

Use with adequate ventilation.

Avoid contact with eyes, skin and clothing. Avoid breathing dust

When handling, use proper personal protective equipment specified in section 8.

Wash thoroughly after handling.

Keep container tightly closed when not in use.

Store out of direct sunlight in a cool, well-ventilated area.

SECTION 8 --- EXPOSURE CONTROLS / PERSONAL

PROTECTION.

ENGINEERING CONTROL

Ventilation: General room ventilation is adequate unless the process generate Airborne dust or fume.

PERSONAL PROTECTION

Respiration Types(s): Disposable, Nontoxic dust/Mist Filter.

Conditions for use: Under normal conditions of use , respiratory protection is recommended

Under excessively dusty conditions.

Glove materials: Any plastic or rubber glove.

Conditions for use: Gloves are recommended if there is a potential for skin contact

Skin Protection: Use protective clothing (disposable coveralls, lab coats, etc .) in both

Production and laboratory areas.

Eye Protection: Safety glasses required, Safety goggles recommended.

OTHER CONTROL MEASURES

Additional:

Protective measures: Provide safety showers and eyewash stations in the work area.

Prevent the accumulation of dust in the work area by thorough

Periodic cleaning of the area.

EXPOSURE LIMITS



There are no exposure limits specified either for these materials or for any of its ingredients.

SECTION 9 --- PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Free flowing crystalline powder.

Color: White color.

Odor: odorless

Molecular weight: 201.24

Chemical Formula: C₄H₄KNO₄ S

Pure/Mixture: Pure

PE Value: 1 in 100 solution as: 6.5 – 7.5.

Solubility in H₂O: Appreciably free soluble.

Solubility others: Slightly soluble in ethanol.

SECTION 10 --- STABILITY AND REACTIVITY.

Stability: Normally stable eve under fir exposure conditions and hot water reactive.

Conditions to avoid: Temperatures : > 100 C

Humidity.

Incompatibility:

Material to avoid: Strong acids and other metal like Aluminum , Iron, Zinc, Copper, potassium bromate , potassium nitrate ,etc.

Decomposition:

Products: Carbon Dioxide, carbon monoxide, etc.

Decomposition

Temperature: 190 C

Polymerization: No

Condition of Polymerization: will not occur.

SECTION 11 --- TOXICALOGICAL INFORMATION

Currently research classified that this material is of practically of non toxic to the oral, the eyes, the skin as well as the whole gestation under the study condition utilized till now.

SECTION 12 --- ECOLOGICAL INFORMATION

Not specified in details but referred as per in specification attached.

SECTION 13 ---DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS:

This material is suitable for incineration. These recommendations are based on the product as shipped. Use, processing, alteration or contamination may affect these disposal recommendations. State, Local or site restrictions affecting the available



proper disposal options may vary.

RCRA Waste #: Not regulated under RCRA.

Empty Containers: Empty containers must be triple rinsed prior to disposal, recycling or reused.

SECTION 14 ---TRANSPORTATION INFORMATION

Enforcement agency: China of Transportation.

Country / Community: China

Proper ship Name: Not regulated

Proper air name: Not regulated.

SECTION 15 ---REGULATORY INFORMATION

Governing Authority : China

Criteria Met: Acute , Fire

SECTION 16 --- OTHER INFORMATION

Additional Information: Health, Fire , Reactivity

Approval Information

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