1. Identification of the substance/preparation and the company/undertaking

Product Name
Sunett® solid

Manufacturer or supplier's details
Celanese Production Germany GmbH & Co. KG
Am Unisys-Park 1
65843 Sulzbach (Taunus)
Germany

Product Information
HazCom@celanese.com

Emergency telephone number
+(65) 62656917 (Operations Room direct dial)
or fax request to +(65) 62664696 (Facsimile to Operations Room)
or email to posh.er@paccoffshore.com.sg

In China Emergency Number: 86-532-83889090 (NRCC)

Identified uses
Food additive, Pharmaceutical

2. Hazards identification

Statements of Hazard
Not a dangerous substance according to GHS

3. Composition/Information on ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No</th>
<th>Percent %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acesulfame K</td>
<td>55589-62-3</td>
<td>100</td>
</tr>
</tbody>
</table>

4. First aid measures

Skin
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eyes
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Inhalation
Move to fresh air. Get medical attention immediately if symptoms occur.
Ingestion
Do NOT induce vomiting. Get medical attention if symptoms occur.

5. Fire-fighting measures

NFPA: Health: 0 Flammability: 0 Instability: 0

Suitable extinguishing media
Water, Foam, Dry chemical, Carbon dioxide (CO2)

Extinguishing media which must not be used for safety reasons
Do not use a solid water stream as it may scatter and spread fire.

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases
Under conditions giving incomplete combustion, hazardous gases produced may consist of
Carbon monoxide
Carbon dioxide (CO2)
Nitrogen oxides (NOx)
Sulfur oxides (SOx)
POTENTIAL DUST EXPLOSION HAZARD

Special protective equipment for fire-fighters
Wear self-contained breathing apparatus and protective suit.

Environmental precautions
Dike and collect water used to fight fire.

6. Accidental release measures

Personal precautions
Use adequate ventilation. Keep away from heat and sources of ignition.

Environmental precautions
Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up
Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13). Use mechanical handling equipment.

7. Handling and storage

Advice on safe handling
Avoid contact with skin, eyes and clothing. Do not breathe vapours/dust. Provide sufficient air exchange and/or exhaust in work rooms.

Incompatible products
Oxidizing agents

Protection - fire and explosion:
Take measures to prevent the build up of electrostatic charge. Avoid dust formation. Keep away from heat and sources of ignition. Potential dust explosion hazard.
Dust Explosion Group
ST1

Material storage
Keep in a dry, cool place. Keep away from direct sunlight.

Incompatible products
Oxidizing agents

Technical measures/Storage conditions
Keep tightly closed in a dry and cool place.

8. Exposure controls / personal protection

ACGIH Exposure Limits
No exposure limits established.

OSHA Exposure Limits
No exposure limits established.

Exposure controls

Engineering measures
General: May not be adequate as the sole means to control employee exposure. Local Exhaust: Recommended when appropriate to control employee exposure to dust or process vapors. Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.

Personal protective equipment

General advice
Avoid contact with skin and eyes. Do not breathe dust.

Hygiene measures
When using, do not eat, drink or smoke.. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday..

Respiratory protection
No personal respiratory protective equipment normally required.

Eye protection
Safety glasses..

Skin protection
Protective suit

Hand protection
Protective gloves
Suitable material
Nitrile rubber
Type
Tricotril (Company KCL) or comparable article;
or refer to glove manufacturer's recommendation
Evaluation
according to EN 374: level 6
Material thickness
Approx. 1.5 mm
Break through time
480 min
### 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>crystalline, powder</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>&gt; 210 °C</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>Not determined</td>
</tr>
<tr>
<td>Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Bulk density</td>
<td>1100-1300 kg/m³ @20 °C</td>
</tr>
<tr>
<td>pH</td>
<td>6.5-7.5 @ 20°C</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Water solubility</td>
<td>270 g/l @ 20°C</td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>Stable</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>No dangerous reaction known under conditions of normal use.</td>
</tr>
<tr>
<td>Incompatible Materials</td>
<td>Oxidizing agents</td>
</tr>
</tbody>
</table>
11. Toxicological information

Potential health effects

Routes of exposure
Skin, eyes, inhalation.

Immediate effects

- Skin: May cause skin irritation.
- Eyes: May cause eye irritation.
- Inhalation: No adverse health effects have been observed.

Acesulfame K

- Acute oral toxicity: LD50: 5438 mg/kg
- Acute dermal toxicity: LD50: > 2000 mg/kg
- Skin corrosion/irritation: No skin irritation
- Species: rabbit, Method: OECD 404
- Skin Sensitization: negative
- Species: mouse, Method: OECD 429
- Serious eye damage/eye irritation: No eye irritation
- Species: rabbit eye, Method: similar to OECD 405
- Carcinogenic effects: No evidence of carcinogenicity
- Species: mice
- in vivo Mutagenicity: Mammalian Erythrocyte Micronucleus Test in mice: negative - Method: OECD 474 Mammalian Bone Marrow Chromosome Aberration Test in mice: negative- Method: OECD 475

Reproductive toxicity
- Routes of exposure: oral gavage
- Species: rat
- No toxicity to reproduction

Developmental effects
- No evidence of reproductive and developmental toxicity

Repeated exposure
- Routes of exposure: Oral
- Species: rats
- Method: similar to OECD 408
- No adverse effects
12. Ecological Information

Acesulfame K

**Acute fish toxicity**
- Species: Brachidanio rerio (zebra fish)
- Method: OECD 203
- LC50: 1800 - 2500 mg/l (96h)

**Acute daphnia toxicity**
- Species: Daphnia magna
- Method: OECD 202
- EC50: > 1000 mg/l (24h)

**Toxicity to aquatic plants**
- Species: Scenedesmus subspicatus
- Method: OECD 201
- EC50: > 100 mg/l (72h)

**Toxicity to bacteria**
- Species: Anaerobic bacteria
- Method: Fermentation tube test
- EC0: > 2500 mg/l

**Biodegradation**
- Species: activated sludge
- Method: OECD 302 B (Zahn-Wellens Test)
- Not readily biodegradable

**Other potential hazards**
- The substance does not meet the criteria for PBT / vPvB according to REACH, Annex XIII

13. Disposal considerations

**Product information**
Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal

**Uncleaned empty packaging**
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse

14. Transport information

**US Department of Transportation**
- Not regulated

**ADR/RID**
- Not regulated

**ADN**
- ADN: Container and Tanker
- Not regulated

**ICAO/IATA**
- Not regulated

**IMDG**
- Not regulated

15. Regulatory information
15. Regulatory information

INTERNATIONAL REGULATIONS
This substance is not classified as dangerous according to Chinese legislation

This substance is not classified as dangerous according to Japanese legislation

International Inventories
Listed on the chemical inventories of the following countries or qualifies for an exemption:
- Australia (AICS)
- Canada (DSL)
- China (IECSC)
- Europe (EINECS)
- Mexico (INSQ)
- New Zealand (NZIoC)

16. Other information

HMIS:  Health: 0  Flammability: 0  Physical Hazard: 0

Prepared By
Product Stewardship Department
Celanese

For further information, see:
For more information, other material safety data sheets or technical data sheets please consult the Celanese homepage (www.celanese.com).

Other Information:
Observe national and local legal requirements.

Changes against the previous version are marked by ***

Sources of key data used to compile the datasheet
Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable. The absence of data elements required by ANSI or 1907/2006/EC indicates that no data meeting these requirements is available.

Further information
This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality