1. Product and company identification

Trade Name

Sunett® solid

Manufacturer, importer, supplier
Celanese Production Germany GmbH & Co. KG
Am Unisys-Park 1
65843 Sulzbach (Taunus)
Germany

Celanese Sales Germany GmbH
Am Unisys-Park 1
65843 Sulzbach (Taunus)
Germany

Transportation emergency phone numbers:
For Chemical Emergency: Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night
DOMESTIC NORTH AMERICA: 800-424-9300
INTERNATIONAL, CALL +1 703-527-3887 (collect calls accepted)

Identified uses
Food additive, Pharmaceutical

2. Hazard Identification

Label elements
No Pictogram Required.

Signal Word
Warning

Hazard Statements
May form combustible dust concentrations in air

Precautionary statements
Handle in accordance with good industrial hygiene and safety practice

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.

**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.

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

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

**Incompatible products**
Oxidizing agents

8. Exposure controls / personal protection

**OSHA Exposure Limits**
No exposure limits established.

**ACGIH Exposure Limits**
No exposure limits established.

**Mexico National 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.

**Protective equipment**
A safety shower and eyebath should be readily available.

**General advice**
Avoid contact with skin and eyes. Do not breathe dust.
Respiratory protection
In case of insufficient ventilation wear suitable respiratory equipment
Wear a NIOSH approved particulate respirator.

Skin protection:
Protective gloves.

Eye/face protection:
Safety goggles.

9. Physical and chemical properties

Appearance
Form crystalline, powder
Color white
Odor odorless
Flash point Not applicable
Autoignition Temperature > 210 °C
Ignition temperature No data available
Decomposition Temperature Not determined
Lower explosion limit Not determined
Upper explosion limit Not determined

Density Not determined
Bulk density 1100-1300 kg/m³ @ 20 °C
pH 6.5-7.5 @ 20°C
Vapor pressure Not determined
Evaporation Rate Not determined
Water solubility 270 g/l @ 20°C

10. Stability and reactivity

Reactivity
Stable

Conditions to avoid
No dangerous reaction known under conditions of normal use

Incompatible Materials
Oxidizing agents

Possibility of hazardous reactions
None reasonably foreseeable.
11. Toxicological information

Potential health effects

Routes of exposure  Skin, eyes, inhalation.

Immediate effects

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>May cause skin irritation.</td>
</tr>
<tr>
<td>Eyes</td>
<td>May cause eye irritation.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No adverse health effects have been observed.</td>
</tr>
</tbody>
</table>

Acesulfame K

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>LD50: 5438 mg/kg</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>LD50: &gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>No skin irritation</td>
</tr>
<tr>
<td>Species</td>
<td>rabbit</td>
</tr>
<tr>
<td>Method</td>
<td>OECD 404</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>negative</td>
</tr>
<tr>
<td>Species</td>
<td>mouse</td>
</tr>
<tr>
<td>Method</td>
<td>OECD 429</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>No eye irritation</td>
</tr>
<tr>
<td>Species</td>
<td>rabbit eye</td>
</tr>
<tr>
<td>Method</td>
<td>similar to OECD 405</td>
</tr>
<tr>
<td>Carcinogenic effects</td>
<td>No evidence of carcinogenicity</td>
</tr>
<tr>
<td>Species</td>
<td>mice</td>
</tr>
<tr>
<td>in vivo Mutagenicity</td>
<td>Mammalian Erythrocyte Micronucleus Test in mice: negative - Method: OECD 474 Mammalian Bone Marrow Chromosome Aberration Test in mice: negative- Method: OECD 475</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No toxicity to reproduction</td>
</tr>
<tr>
<td>Species</td>
<td>oral gavage</td>
</tr>
<tr>
<td>Repeated exposure</td>
<td>No evidence of reproductive and developmental toxicity</td>
</tr>
<tr>
<td>Species</td>
<td>Oral</td>
</tr>
<tr>
<td>Method</td>
<td>rats</td>
</tr>
<tr>
<td>Repeated exposure</td>
<td>No adverse effects</td>
</tr>
<tr>
<td>Species</td>
<td>Oral rats</td>
</tr>
<tr>
<td>Method</td>
<td>similar to OECD 408</td>
</tr>
</tbody>
</table>
12. Ecological Information

Acesulfame K

Acute fish toxicity  
Species: Brachidanio rerio (zebra fish)  
Method: OECD 302 B (Zahn-Wellens Test)  
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)

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

13. Disposal considerations

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

14. Transport information

US Department of Transportation  Not regulated

TDG  Not regulated

Mexico Transport Information  Not regulated

ICAO/IATA  Not regulated

IMDG  Not regulated

15. Regulatory Information
15. Regulatory Information

US State Regulations
Chemicals associated with the product which are subject to the state right-to-know regulations are listed along with the applicable state(s):
none

U.S. FEDERAL REGULATIONS

TSCA Inventory:
We certify that all components are either on the TSCA inventory or qualify for an exemption.

Environmental Regulations:

SARA 311:
- Acute health: No
- Chronic health: No
- Fire: No
- Sudden release of pressure: No
- Reactive: No

INTERNATIONAL REGULATIONS

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

NFPA: Health: 0 Flammability: 0 Instability: 0
HMIS: Health: 0 Flammability: 0 Physical Hazard: 0

Prepared By
Product Stewardship Department
Celanese

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

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.
Other Information:
Observe national and local legal requirements
Changes against the previous version are marked by ***

Abbreviation and Acronym:
ADR = Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS = Chemical Abstracts Service (division of the American Chemical Society)
CLP = Classification, Labelling and Packaging
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
ICAO = International Civil Aviation Organization
IMDG = International Maritime Code for Dangerous Goods
LC50 = Lethal Concentration
LD50 = Lethal Dose
LOAEC = Low Observed Adverse Effect Concentration
LOAEL = Low Observed Adverse Effect Level
LOEL = Low Observed Effect Level
NOAEC = No Observed Adverse Effect Concentration
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
NOEL = No Observed Effect Level
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RCR = Risk Characterization Ratio
RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
STOT RE = Specific Target Organ Toxicity Repeated Exposure
STOT SE = Specific Target Organ Toxicity Single Exposure
STP = Sewage Treatment Plant
vPvB = very Persistent and very Bioaccumulative