

<b>Product Name</b>	Sunett® solid		NAGH/EN
<b>MSDS number</b>	81046	<b>Revision Date</b>	Jun.04.2018
<b>Revision Number</b>	1.01	<b>Issuing date</b>	Dec.14.2018

## 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

Components	CAS-No	Percent %
Acesulfame K	55589-62-3	100

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## 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 (CO<sub>2</sub>)

### **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 (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Sulfur oxides (SO<sub>x</sub>)

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.

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## 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.

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## 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

<b>Form</b>	crystalline, powder
<b>Color</b>	white
<b>Odor</b>	odorless
<b>Flash point</b>	Not applicable
<b>Autoignition Temperature</b>	> 210 °C
<b>Ignition temperature</b>	No data available
<b>Decomposition Temperature</b>	Not determined
<b>Lower explosion limit</b>	Not determined
<b>Upper explosion limit</b>	Not determined
<b>Density</b>	Not determined
<b>Bulk density</b>	1100-1300 kg/m <sup>3</sup> @20 °C
<b>pH</b>	6.5-7.5 @ 20°C
<b>Vapor pressure</b>	Not determined
<b>Evaporation Rate</b>	Not determined
<b>Water solubility</b>	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.

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## 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 vitro Mutagenicity** Ames Test: negative - with and without metabolic activation -  
     Method: OECD 471 Cytogenicity Assay in Chinese hamster  
     cells: negative - with and without metabolic activation -  
     Method: OECD 473  
**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** No toxicity to reproduction  
     Routes of exposure oral gavage  
     Species rat  
**Developmental effects** No evidence of reproductive and developmental toxicity  
**Repeated exposure** No adverse effects  
     Routes of exposure Oral  
     Species rats  
     Method similar to OECD 408

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## 12. Ecological Information

### Acesulfame K

<p><b>Acute fish toxicity</b>                  Species:                  Method</p> <p><b>Acute daphnia toxicity</b>                  Species:                  Method</p> <p><b>Toxicity to aquatic plants</b>                  Species:                  Method</p> <p><b>Toxicity to bacteria</b>                  Species:                  Method</p> <p><b>Biodegradation</b>                  Species:                  Method</p> <p><b>Other potential hazards</b></p>	<p>LC50: 1800 - 2500 mg/l (96h)                  Brachidanio rerio (zebra fish)                  OECD 203</p> <p>EC50: &gt; 1000 mg/l (24h)                  Daphnia magna                  OECD 202</p> <p>EC50: &gt; 100 mg/l (72h)                  Scenedesmus subspicatus                  OECD 201</p> <p>EC0: &gt; 2500 mg/l                  Anaerobic bacteria                  Fermentation tube test</p> <p>Not readily biodegradable                  activated sludge                  OECD 302 B (Zahn-Wellens Test)</p> <p>The substance does not meet the criteria for PBT / vPvB according to REACH, Annex XIII</p>
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## 13. Disposal considerations

### 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

<b>US Department of Transportation</b>	Not regulated
<b>TDG</b>	Not regulated
<b>Mexico Transport Information</b>	Not regulated
<b>ICAO/IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

## 15. Regulatory Information

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## 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:**

<b>Acute health:</b>	No
<b>Chronic health:</b>	No
<b>Fire:</b>	No
<b>Sudden release of pressure:</b>	No
<b>Reactive:</b>	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](http://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..

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## 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