



Trade name: Acesulfam-K

Substance number: 060022

Version: 1 / CH

Date revised: 19.05.09

Replaces Version: - / CH

Date of printing: 02.10.12

## **1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Acesulfam-K

Item-No.

06002200

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

#### **Use of the substance/preparation**

food additive

### **1.3. Details of the supplier of the safety data sheet**

#### **Address**

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no.

0041 (0)71 353 58 58

E-mail address of

sdb@haenseler.ch

person responsible

for this SDS

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **2. Hazards identification**

### **2.2. Label elements**

#### **Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC**

The product does not require a hazard warning label in accordance with EC Directives.

### **2.3. Other hazards**

No special hazards have to be mentioned.

## **3. Composition/information on ingredients**

#### **Substance / product identification**

CAS-Nr.

55589-62-3

EINECS-Nr.

259-715-3

## **4. First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

No special measures necessary.

#### **After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

#### **After skin contact**

In case of contact with skin wash off with water.

#### **After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.



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**After ingestion**

By continuous complaints consult a physician.

**5. Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

**5.2. Special hazards arising from the substance or mixture**In the event of fire the following can be released: Nitrogen oxides (NO<sub>x</sub>); Sulfuroxides (SO<sub>x</sub>)**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

In case of combustion use a suitable breathing apparatus.

**6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Not required.

**6.2. Environmental precautions**

Do not allow to enter drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Pick up mechanically.

**6.4. Reference to other sections**

Information regarding Waste Disposal, see chapter 13.

**7. Handling and storage****7.1. Precautions for safe handling****Advice on protection against fire and explosion**

Keep away from sources of ignition - refrain from smoking. Take precautionary measures against static charges. The product is capable of a dust explosion.

**Classification of fires / temperature class / Ignition group / Dust explosion class**

Dust explosion class                      Capable of dust explosion

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

No special requirements.

**Hints on storage assembly**

Not required.

**VCI storage category**

VCI storage category                      11                      Combustible solids

**Further information on storage conditions**

Keep container tightly closed, cool and dry. Protect from light.

**8. Exposure controls/personal protection**



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## 8.2. Exposure controls

### Exposure controls

See chapter 7. No measures exceeding the ones mentioned are necessary.

### General protective and hygiene measures

Observe the usual precautions when handling chemicals. Wash hands before breaks and after work.

### Respiratory protection

Not necessary.

### Hand protection

Protective gloves  
Appropriate Material nitrile rubber - NBR  
Material thickness  $\geq$  0.5

### Eye protection

Safety glasses

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Form</b>	Crystalline powder		
<b>Colour</b>	whitish		
<b>Odour</b>	odourless		
<b>pH</b>			
Value	6.5	to	7.5
Concentration/H <sub>2</sub> O	10	g/l	
Temperature	20	°C	
<b>Melting point</b>	Not determined		
Remarks	Not determined		
<b>Boiling point</b>	Not determined		
Remarks	Not determined		
<b>Flash point</b>	Not applicable		
Remarks	Not applicable		
<b>Density</b>	Not determined		
Remarks	Not determined		
<b>Solubility in water</b>	270 g/l		
Value	270		g/l
Temperature	20	°C	
Remarks	soluble		
<b>Thermal decomposition</b>	from 210 °C		
Value	from 210		°C
Heating rate	3	K/min	
Remarks	Decomposes before melting.		
method	DTA		

### 9.2. Other information

#### Bulk density

Value 1100 to 1300 kg/m<sup>3</sup>

#### Other information

The product is capable of dust explosions.



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## 10. Stability and reactivity

### 10.4. Conditions to avoid

#### Thermal decomposition

Value	from	210	°C
Heating rate		3	K/min
Remarks	Decomposes before melting.		
method	DTA		

### 10.6. Hazardous decomposition products

Sulphur trioxide, Nitrous gases

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

Species	rat		
LD50	7431		mg/kg

#### Skin corrosion/irritation

Species	rabbit
method	OECD 404
Remarks	No effect of irritation known.

#### Serious eye damage/irritation

Species	rabbit
method	OECD 405
Remarks	No effect of irritation known

#### Mutagenicity

valuation	No mutagenicity in the Ames-test.
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#### Other information

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

## 12. Ecological information

### 12.1. Toxicity

#### Fish toxicity

Species	zebra fish (Brachydanio rerio)		
LC50	> 1000		mg/l
Duration of exposure	96	h	
method	OECD 203		

#### Daphnia toxicity

Species	Daphnia		
EC50	> 1000		mg/l
Duration of exposure	24	h	
method	OECD 202		

#### Algae toxicity

Species	Scenedesmus subspicatus		
EC50	> 100		mg/l
Duration of exposure	72	h	

#### Bacteria toxicity



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EC50	>	2500	mg/l
Duration of exposure		24 h	

## 12.2. Persistence and degradability

### Chemical oxygen demand (COD)

Value	0.67	g O2/g
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### Biochemical oxygen demand (BOD5)

Value	0.15	g O2/g
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## 12.6. Other adverse effects

### General information / ecology

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

## 13. Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Can be incinerated together with household refuse in accordance with the regulations and after consultation with the disposal agency and the relevant authorities.

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

#### Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

## 14. Transport information

### Land transport ADR/RID

Non-dangerous goods

### Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

### 14.5. Environmental hazards

no

### Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

## 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Water Hazard Class (Ger.)

Water Hazard Class (Ger.)	WGK 1
Remarks	Self-assessment

## 16. Other information

### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.