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<b>Excential Betaine</b>	Date : 22/7/2010
	Supersedes : 0/0/0
	www.lisam.com



Xi : Irritant

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Commercial Product Name : Excential Betaine  
 Use of the Substance/Mixture : Animal feed additive.  
 Company : Excentials B.V.  
 Vierlinghstraat 51  
 4251 LC Werkendam - The Netherlands

t: +31(0)183 44 77 66  
 f: +31(0)183 44 12 10  
 e: info@excentials.com  
 www.excentials.com

Emergency telephone : +31(0)183 44 77 66

### 2 HAZARDS IDENTIFICATION

Most important hazards : The product is classified as dangerous in accordance with Directive 1999/45/EC.  
 Irritating to eyes and skin.

Environmental properties : not hazardous

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance name	Value(s)	CAS No / EC No / EC Index	Symbol(s)	R-Phrase(s)
Betaine Hydrochloride	: <= 98 %	590-46-5 / 209-683-1 / -	Xi	36-38
Quartz	: <= 5 %	14808-60-7 / 238-878-4 / -	-	-
Full text of R-phrases	: See section 16.			

### 4. FIRST AID MEASURES

First aid measures

Inhalation : Keep at rest.  
 Move to fresh air.  
 Consult a physician if necessary.

Skin contact : Wash off with soap and water.  
 Take off contaminated clothing and shoes immediately.  
 Wash contaminated clothing before re-use.  
 Obtain medical attention.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
 Obtain medical attention.

Ingestion : Rinse mouth.  
 Consult a physician if necessary.

Additional advice : Never give anything by mouth to an unconscious person.  
 Show this safety data sheet to the doctor in attendance.  
 Treat symptomatically.

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## 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam
- Extinguishing media which shall not be used for safety reasons : High volume water jet
- Specific hazards : Possible decomposition products are: CO<sub>x</sub>, NO<sub>x</sub>, HCl  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Specific methods : Wear personal protective equipment.  
Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : See also section 8.  
Wear personal protective equipment.  
Evacuate personnel to safe areas.  
Do not breathe dust.  
Avoid dust formation.  
Ensure adequate ventilation.  
Avoid contact with skin, eyes and clothing.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Avoid dust formation.  
Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

- Storage : Keep tightly closed in a dry, cool and well-ventilated place.  
Do not store near or with any of the incompatible materials listed in section 10.
- Handling : See also section 8.  
Wear personal protective equipment.  
Avoid contact with skin, eyes and clothing.  
Do not breathe dust.  
Ensure adequate ventilation.  
Wash hands before breaks and immediately after handling the product.  
Handle in accordance with good industrial hygiene and safety practice.  
Avoid dust formation.
- Specific use(s) : Animal feed additive.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protective equipment
- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. (filter type P1)
- Hand protection : Rubber gloves (EN 374)  
The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the gloves supplier.
- Eye protection : Safety glasses (EN 166)
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Use only in area provided with appropriate exhaust ventilation.
- Exposure limit(s) : No information available.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: powder
Colour	: white - off-white
Odour	: none
pH	: no data available
Boiling point/boiling range	: no data available
Melting point/range	: 232°C
Flash point	: no data available
Ignition temperature	: no data available
Evaporation rate	: no data available
Vapour density	: no data available
Explosive properties	: no data available
Oxidizing properties	: no data available
Vapour pressure	: no data available
Viscosity	: no data available
Partition coefficient: n-octanol/water	: no data available
Solubility	: soluble
Density	: no data available

### 10. STABILITY AND REACTIVITY

Stability	: Stable under normal conditions.
Hazardous decomposition products	: COx, NOx, HCl
Materials to avoid	: Amines Incompatible with oxidizing agents. Incompatible with acids and bases. Cyanides
Conditions to avoid	: Heat, flames and sparks. Avoid dust formation.

### 11. TOXICOLOGICAL INFORMATION

Acute toxicity	: No data is available on the product itself.
Inhalation	: May cause irritation of respiratory tract.
Skin contact	: Irritating to skin.
Eye contact	: Irritating to eyes.
Ingestion	: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Chronic toxicity	: No adverse effects are expected.

### 12. ECOLOGICAL INFORMATION

Bioaccumulation	: No data is available on the product itself.
Ecotoxicity effects	: not hazardous
Mobility	: soluble
Persistence and degradability	: No data is available on the product itself.

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### 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : In accordance with local and national regulations.  
Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC) : The following Waste Codes are only suggestions:  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

### 14. TRANSPORT INFORMATION

ADR/RID : Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.  
IMDG : Not classified as dangerous in the meaning of transport regulations.  
ICAO : Not classified as dangerous in the meaning of transport regulations.

### 15. REGULATORY INFORMATION

Labelling : The product is classified as dangerous in accordance with Directive 1999/45/EC.  
Symbol(s) : Xi - Irritant  
R-phrase(s) : R36/38 - Irritating to eyes and skin.  
S-phrase(s) : -

### 16. OTHER INFORMATION

Text of R-phrases mentioned in Section 3 : R36 - Irritating to eyes.  
R38 - Irritating to skin.  
Sources of key data used to compile the Safety Data Sheet : European Chemicals Bureau

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 1967/548/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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