

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

### Beet Molasses

Version 1.0

Revision Date 27.09.2012

Print Date 13.08.2013

CLP\_EU

Molasses is an animal feed and therefore does not underlie the coverage of the chemical legislation.

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

##### Product identifier

Trade name : penergetic k  
Product code : 3800M – 3850M  
Manufactured by : Penergetic Int. AG  
Romiszelgstrasse 1  
CH- 8590 Romanshorn (Switzerland)

##### Product description

Substance name : Beet molasses  
Scope of application : Compost additive  
Expiry date : 18 months from date of manufacture

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

Use of the Substance/Mixture : Feed industry  
Mixing, Filling  
Raw material for animal feed.  
Recommended restrictions on use : Reserved for industrial and professional use., Other industries not mentioned are excluded.

##### Details of the supplier of the safety data sheet

Company : Schweizer Zucker AG  
Telephone : +41 32 391 6200  
E-mail address : [info@zucker.ch](mailto:info@zucker.ch)  
Web : [www.zucker.ch](http://www.zucker.ch)

#### 2. Hazards identification

Classification of the substance or mixture Classification in accordance with (REGULATION (EC) No 1272/2008)

The material is classified as non-hazardous within the meaning of Regulation (EC) No. 1272/2008 [GHS].

The product is not subject to labelling in accordance with EC directives/the applicable national laws.

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Composition/information on ingredients Description:

Sugar beet molasses is a residual product from the production of sugar from sugar beet.

Chemical characterisation:                   ca. 26–28% water  
  ca. 42% total sugar  
  ca. 17% organic non-sugar substances

#### 3. First aid measures

**After inhalation:**                   fresh air  
**After skin contact:**               wash off with warm water  
**After eye contact:**               rinse out eyes with water while having the eyelid open.

#### 4. Firefighting measures

No special measures required because it is not flammable.

#### 5. Accidental release measures

Personal precautions:                   - None under normal circumstances, contaminated floors may be slippery (risk of slipping).

Environmental protection measures: - Bio-degradable, no special protective measures required. Procedure for cleaning/collection:  
- Collect mechanically, bind with sand if necessary and dispose of in suitable waste containers. If necessary, wash away with water.

#### 6. Handling and storage

Handling:  
Non-corrosive. No special precautionary measures necessary. Storage:  
Store in vented tanks (steel, stainless steel, polyethylene, PVC) at outdoor temperatures.  
Avoid microbiological contamination or dilution with water.

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#### 7. Exposure limitation and personal protective equipment

<b>Respiratory protection:</b>	Not required
<b>Eye protection:</b>	Not required
<b>Hand protection:</b>	Not required
<b>Hygiene:</b>	Not required

#### 8. Physical and chemical properties

Form:	Viscous liquid	pH value: 7–9
Colour:	Dark brown	Boiling point: > 100°C
Odour:	Earthy/caramel-like, not pungent	Flashpoint: Not applicable Density (25°C):
	1.36 g/cm <sup>3</sup>	Explosion risk: Not applicable Viscosity (25°C):
	ca. 3–400 mPa x s (cp)	
Thermal decomposition:	Commences at ca. 60°C	
Solubility:	Water-soluble	
Dangerous reactions:	Diluted solutions of molasses may begin to ferment, generating ethanol and CO <sub>2</sub> .	

#### 9. Stability and reactivity

Hazardous decomposition products:	Burning may generate CO <sub>2</sub> and water, nitrogen compounds
Materials to be avoided:	Strong acids and bases, oxidising substances
Microbiological stability:	Stable, provided not diluted with water >5%, may promote the formation of yeasts, mould and some harmless bacteria (e.g. Lactobacillus spp.), especially at warm temperatures

#### 10. Toxicological information

Sugar beet molasses is not toxic

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#### 11. Environment related information

Quantitative data on the ecological effect of this substance are not available

WGK 0 (Wassergefährdungsklasse = water hazard class) Toxicity

Toxicity to fish : LC50: > 10.000 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)

#### 12. Disposal considerations

Smaller quantities may be disposed of with household waste. Larger quantities should be disposed of in accordance with local regulations.

#### 13. Transport information

Not subject to transport regulations

#### 14. Regulatory information

Sugar beet molasses is not classified as hazardous

Regulation 1907/2006 (REACH)

The information in this safety data sheet corresponds to our best knowledge at the time of revision. The information given shall be reference points for safe handling the product specified in this safety data sheet regarding storage, processing, transport and disposal. The data are not transferable to other products.

This safety data sheet contains only safety-relevant data and replaces no product information or product specification.