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 p |
| Product code | : 4000M - 4540M |
| Manufactured by | : Penergetic Int. AG Romiszelgstrasse 1 CH- 8590 Romanshorn (Switzerland) |
| Product description | |
| Substance name | : Beet molasses |
| Scope of application | : Plant strengthener |
| Expiry date | : 18 months from date of manufacture |
| Relevant identified uses of the substa | nce 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 | : <u>info@zucker.ch</u> |
| Web | : 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: After eye contact: | wash off with warm water 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

| Respiratory protection: | Not required |
|-------------------------|--------------|
| Eye protection: | Not required |
| Hand protection: | Not required |
| Hygiene: | 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 ³ | 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 ₂ . | |

9. Stability and reactivity

| Hazardous decomposition products: Burning ma | y generate CO ₂ 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. Envoronment 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.





