

Revised: 07.02.2007

01 Identification of the substance / preparation and of the company**Product:** Bergafat F-100**Use:** Feed production**Company:** Berg&Schmidt (GmbH & Co.) KG

An der Alster 81

20099 Hamburg

Phone: +49 (0) 40/284 039-0**Fax:** +49 (0) 40/284 039-33**E-mail:** info@berg-schmidt.de**Homepage:** www.berg-schmidt.de**Emergency phone:** +49 (0) 40/284 039-0**02 Composition / Information on ingredients**

Substance	EINECS/ELINCS	CAS	Range [%]	Symbol / R-phr.
Eicosanoic acid	208-031-3	506-30-9	ca. 1	Xi-36/37/38
Fatty acids, C14-18 and C16-18-unsatd.	266-930-6	67701-06-8		

03 Hazards identification

No special hazards have to be mentioned.

04 First aid measures

General information:	Change soaked clothing.
Inhalation:	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact:	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion:	Rinse out mouth and give plenty of water to drink. Supply with medical care.
Advice to doctor:	Treat symptomatically.

05 Fire-fighting measures

Suitable extinguishing media:	Foam. Dry powder. Water spray jet. Carbon dioxide.
Extinguishing media that must not be used:	Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products:	In the event of fire the following can be released: Carbon monoxide (CO).
Special protective equipment for firefighters:	Use self-contained breathing apparatus.
Additional information:	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Revised: 07.02.2007

06 Accidental release measures

Personal precautions:	Forms slippery surfaces with water. High risk of slipping due to leakage/spillage of product.
Environmental precautions:	Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers).
Methods for cleaning up:	Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, silicious earth). Dispose of absorbed material in accordance with the regulations.

07 Handling and storage

Advice on safe handling:	Avoid the formation and deposition of dust.
Advice on protection against fire and explosion:	Keep away from sources of ignition. Dust can form an explosive mixture with air. Take precautionary measures against static discharges.
Requirements for storage rooms and vessels:	Only use containers that are approved specifically for the substance/product.
Advice on storage compatibility:	Do not store together with oxidizing agents.
Further information on storage conditions:	Keep container tightly closed. Keep container in a well-ventilated place.

08 Exposure controls / personal protection

Additional advice on system design:

not applicable

Ingredients with occupational exposure limits to be monitored: not applicable

Respiratory protection:	not applicable
Hand protection:	Butyl rubber, >120 min (EN 374).
Eye protection:	none
Skin protection:	not applicable
General protective measures:	Avoid contact with eyes.
Hygiene measures:	Wash hands before breaks and after work.
Delimitation and monitoring of the environmental exposition:	not determinated

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09 Physical and chemical properties

Form:	Flakes / powder
Colour:	white
Odour:	almost odourless
pH-value:	not determinated
pH-value (1 %):	not determinated
Boiling point [°C]:	220
Flash point [°C]:	190
Flammability [°C]:	395
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Combustible properties:	no
Vapour pressure [kPa]:	0,01 (70°C)
Density [g/ml]:	0,89 (70°C)
Bulk density [kg/m ³]:	not applicable
Solubility in water:	virtually insoluble
Partition coefficient: n-octanol/water:	not determinated
Viscosity:	11 mm ² /s (70°C)
Relative vapour density determined in air:	not applicable
Evaporation speed:	not determinated
Melting point [°C]:	54 - 60
Autoignition temperature [°C]:	not determinated
Decomposition temperature [°C]:	not applicable

10 Stability and reactivity

Hazardous reactions:	Reactions with strong oxidizing agents. Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.
Hazardous decomposition products:	No hazardous decomposition products known.

11 Toxicological information

Acute oral toxicity OECD 401:	not determinated
Experiences made in practice:	none
General remarks:	Toxicological data are not available. No classification on the basis of the calculation procedure of the preparation directive.

12 Ecological information

Fish toxicity:	not determinated
Daphnia toxicity:	not determinated
Behaviour in environment compartments:	not determinated
Behaviour in sewage plant:	not applicable

Revised: 07.02.2007

Bacteria toxicity:	not determinated
Biological degradability:	The product is readily biodegradable to OECD criteria.
COD:	not determinated
BOD 5:	not determinated
AOX-advice:	No dangerous components.
2006/11/EC:	not applicable
General information:	Ecological data are not available.

13 Disposal considerations

Disposal / Product:	For recycling, consult manufacturer. Coordinate disposal with the authorities if necessary.
Waste no. (recommended):	020304
Disposal / Contaminated packaging:	Packaging that cannot be cleaned should be disposed of as for product. Emptied and rinsed clean packing can be reused.

14 Transport information

<u>Classification according to ADR:</u>	no dangerous goods
Declaration:	
Labelling:	
Factor (ADR 1.1.3.6):	
LQ (ADR 3.4.6):	
Hazard-no.:	
Label:	
<u>Classification according to IMDG:</u>	not classified as "Dangerous Goods"
Declaration:	
Labelling:	
Label:	
LQ [l, kg]:	
EmS:	
<u>Classification according to IATA:</u>	not classified as "Dangerous Goods"
Declaration:	
Labelling:	
Label:	

Revised: 07.02.2007

15 Regulatory information

Labelling: The product does not require a hazard warning label in accordance with EC-directives.

Hazard symbols:

15.1 Special labelling for certain preparations**15.2 Sources of documentation**

EEC: 91/155 (2001/58); 67/548 (2004/73, 29. ATP); 1999/45 (2006/8); 91/689 (2001/118); 89/542; 1999/13; 2004/42

Transport information: ADR (2007); IMDG-Code (32. Amdt.); IATA-DGR (2007)

15.3 National regulations (gb)

EH40/2002 Occupational Exposure Limits Supplement 2003

16 Other informations

(Information on ingredients - position 02)

R 36/37/38: Irritating to eyes, respiratory system and skin.

16.1 Additional information:

Observe employment restrictions for people:	not applicable
VOC (1999/13/EG):	not applicable
Customs Tariff:	not determined

16.2 Information on ingredients

2004/42/EG:	not applicable
UBA-Registration:	not applicable
648/2004/EG, Contains:	not applicable

16.3 Modified position

none