

in accordance with 1907/2006/EG, last amended 453/2010/EU

1. Identification of the substance / preparation and of the company / undertaking

1.1 Product identifier	:	Meal from rapeseed
1.2 Relevant identified uses of the substance or mixture and uses advised against	:	animal feeding stuff
1.3. Details of the supplier of the safety data sheet	:	
Manufacturer	:	Bunge Deutschland GmbH
Street	:	Bonadiesstraße 3-5
Postcode / town	:	D-68169 Mannheim
Telephone	:	(+49) 621 3704-0
Telefax	:	(+49) 621 3704-109
Person to contact for further information	:	
Quality	:	(+49) 621 3704-300
Technique	:	(+49) 621 3704-237
e-mail	:	bea.customeradvise.man@bunge.com
1.4 Emergency telephone number	:	(+49) 621 3704 999

2. Hazards identification

2.1. Classifications of the substance or mixture	:	not applicable, animal feeding stuff
2.2. Label elements	:	not applicable
2.3. other hazards :	:	no specific risks, not assessed in accordance with 67/548/EEC and 1999/45/EC

3. Composition / information on ingredients

3.1. Substances	:	
3.2. Mixture	:	
Substance / preparation	:	animal feedingstuff
Chemical characterization	:	raw fibre, protein, moisture, vegetable oil
Concentration of the ingredients in the mixture	:	
CAS-No.	:	
Index-No. (67/584/EWG)	:	
EINECS	:	

4. First aid measures

4.1. Description of the first aid measure	:	not applicable
4.2. Most important symptoms and effects, both akute and delayed	:	not applicable
4.3. Indikation of any immediate medical attention and special treatment needed	:	not applicable

5. Firefighting measures

5.1 Extinguishing media	:	
Suitable extinguishing media	:	water, foam, CO ₂ , firefighting powder, sand
Unsuitable extinguishing media	:	
5.2. Special hazards arising from the substance combustion product, resulting gases	:	thermal decomposition produces acrolein
	:	C ₃ H ₄ O
5.3. Advice for firefighters protective actions special protective equipment for firefighters	:	no special measures required

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	:	
6.1. For non-emergency personnel	:	
a. Suitable protective equipment	:	unnecessary
b. Removal of ignition sources, provision of sufficient ventilation, control of dust	:	
c. Emergency procedures	:	
6.1.2 For emergency responders	:	
6.2 Environmental precautions	:	
6.3 Methods and material for containment and cleaning up	:	
6.3.1 Bunding, covering of drains	:	
6.3.2 Appropriate advice for cleaning up	:	
6.4 Reference to other sections	:	not applicable

7. Handling and storage

7.1. Precautions for safe handling		
7.1.1 Recommendations		
a. Safe handling of the substance or mixtures	:	may generate dust
b. Prevent handling of incompatible substances or mixtures	:	
c. Reduce the release of the substances or mixtures to the environment	:	
7.1.2 General occupational hygiene	:	a. not to eat, drink and smoke in work areas b. to wash hands after use c. to remove contaminated clothing and protective equipment before entering eating areas
7.2. Conditions for safe storage, including any Incompatibilities	:	Must not be stored together with strong oxidizing agents
How to manage risks	:	
b. How to control effects	:	
c. How to maintain the integrity	:	Store in dry places
d. Other advice	:	
d. i. Ventilation requirements	:	
d. ii. Specific design for storage rooms or vessels	:	
7.3. Specific end use(s)	:	animal feedingstuff

8. Exposure controls/personal protection

8.1. Control parameter		
National biological limit values	:	not applicable
8.2 Exposure controls		
8.2. Appropriate engineering controls	:	not applicable
8.2.2 Individual protection measures	:	unnecessary
a. Eye and face protection	:	
b. Skin protection	:	
b. i Hand protection	:	
b. ii Other	:	
c. Respiratory protection	:	
d. Thermal hazards	:	
	:	
8.2.3 Environmental exposure controls	:	not applicable

9. Physical and chemical prosperities

9.1. Information on physical and chemical Prosperities		Method
a. Appearance	: gray, brown	
b. Odour	: characteristic vegetable	
c. Odour threshold	:	
d. pH	: not applicable	
e. Melting point	: < 0°C	DGF C-IV 3 a
f. Initial boiling pint and boiling range	: not measurable	
g. Flash point	: > 200°C	DGF C-IV 8
h. Evaporation rate	:	
i. Flammability	:	
j. Upper/lower flammability or explosive limits	: not applicable	
k. Vapour pressure	: < 1 mbar bei 20°C	
l. Vapour density	:	
m. Relative density	:	
n. Solubilities	:	
o. Partition coefficient: n-octanol/water	:	
p. Auto-ignitio temperature	:	
q. Decomposition temperature	:	
r. Viscosity	:	
s. Explosive properties	: fine dust can lead to dust explosions	
t. Oxidising properties	:	
9.2. Other information	:	

10. Stabilität und Reaktivität

10.1. Reactivity	:	
10.2. Chemical stability	:	
10.3. Possibility of hazardous reactions	:	
10.4. Conditions to avoid	: nothing specific	
10.5. Incompatible materials	:	
10.6. Hazardous decomposition products	: thermal decomposition leads to formation of Acrolein	

11. Toxicological information

11.1. Information on toxicological effects	: not toxic, animal feedingstuff
a. acute toxicity	:
b. skin corrosion/irritation	:
c. serious eye damage/irritation	:
d. respiratory or skin sensitisation	:
e. germ cell mutagenicity	:
f. carcinogenicity	:
g. reproductive toxicity	:
h. STOT single exposure	:
i. STOT repeated exposure	:
j. aspiration hazard	:

12. Ecological information

12.1. Toxicity	: animal feedingstuffl
12.2. Persistence and degradability	: highly biodegradable, COD/BOD5 approx. 1,5-2,2 average 1,8
12.3. Bioaccumulative potential	:
12.4. Mobility in soil	:
12.5. Results of PBT and vPvB assessment	:
12.6. Other adverse effects	:

13. Disposal consideration

13.1 Waste treatment methods	:	Not hazardous waste. As waste it can be utilised for primary use or thermal recycling.
European Waste Catalogue code No	:	20304
Further information	:	Must be disposed of in accordance with official regulations

14. Transport information

General	:	not a dangerous substance, animal feedingstuff
14.1. UN number	:	not applicable
14.2. UN proper shipping name	:	not applicable
14.3. Transport hazard class(es)	:	not applicable
14.4. Packing group	:	not applicable
14.5. Environmental hazards	:	not applicable
14.6. Special precautions for user	:	not applicable
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	:	Guidelines for transport of plant oil in deep tanks or independent tanks which are special made for transports of those plant oils on dry cargo ships

15. Regulatory information

15.1. Safety, health and environmental-	:	feed, according to AwSV not hazardous to water
15.2. Chemical safety assessment	:	not applicable

16. Other information

:	The information in this data sheet does not constitute any contractual warranty as to product properties and is based on the current state of knowledge.
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