



EC- Safety data sheet: Rapeseed oil

according to Regulation (EG) No. 1907/2006 (REACH) in the currently valid version

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

1.1 Product identifier	:	rapeseed oil (unmanufactured and refined) in accordance with appendix IV and V of the 1907/2006/EC
1.2 Relevant identified uses of the substance or mixture and uses advised against	:	foodstuff and animal feeding stuff, used as fuel, oleo chemical usage
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
Department providing information	:	Quality
E-mail	:	bunge-mannheim-quality@bunge.com
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, foodstuff or animal feed material
2.2. Label elements	:	not applicable
2.3. other hazards	:	no specific risks, not assessed in accordance with EC No. 1272/2008 and EU 2016/1178

3. Composition / information on ingredients

3.1. Substances	:	
3.2. Mixture	:	
Substance / preparation	:	substance, foodstuff or animal feed material
Chemical characterization	:	triglyceride, vegetable oil
Concentration of the ingredients in the mixture	:	
CAS-No.	:	rapeseed oil 8002-13-9
Index-No. (67/584/EWG)	:	
EINECS	:	rapeseed oil 232-299-0

4. First aid measures

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

5. Firefighting measures

5.1 Extinguishing media	:	
Suitable extinguishing media	:	foam, CO ₂ , firefighting powder, sand
Unsuitable extinguishing media	:	water
5.2. Special hazards arising from the substance or mixture	:	thermal decomposition, produces acrolein
Hazardous combustion products	:	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	:	note higher risk of slipping
6.1.1 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	:	keep away from drains, surface and ground water
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 splash in contact with water when hot
b. Prevent handling of incompatible substances or mixtures	:	
c. Reduce the release of the substances or mixtures to the environment	:	fire hazard when welding the empty container
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	:	not applicable
a. How to manage risks	:	
b. How to control effects	:	
c. How to maintain the integrity	:	use of stabilizers and antioxidants
d. Other advice	:	
d. i. Ventilation requirements	:	
d. ii. Specific design for storage rooms or vessels	:	
7.3. Specific end use(s)	:	

8. Exposure controls/personal protection

8.1. Control parameter		
National biological limit values	:	
8.2 Exposure controls	:	Triglyceride, AGW (mg/m³) 5A, Peak limitation/exceedance factor 4 (II), remark DFG, Y
8.2.1 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	:	liquid to - 5°C, brownish-yellow
b. Odour	:	neutral to natural
c. Odour threshold	:	
d. pH	:	not applicable
e. Melting point	:	< 0°C
f. Initial boiling point and boiling range	:	> 350°C by decomposition
g. Flash point	:	> 300°C
h. Evaporation rate	:	
i. Flammability	:	when finely dispersed, e.g. in bleaching earth, insulating materials, clothings.
j. Upper/lower flammability or explosive limits	:	not applicable
k. Vapour pressure	:	< 0,001 mbar at 20°C
l. Vapour density	:	
m. Relative density	:	910 - 920 kg/m³ at 20° C
n. Solubilities	:	insoluble in water, unlimited in lipophilic solvents
o. Partition coefficient: n-octanol/water	:	
p. Auto-ignition temperature	:	
q. Decomposition temperature	:	
r. Viscosity	:	approx. 60 mPa*s at 20° C
s. Explosive properties	:	not applicable
t. Oxidising properties	:	
9.2. Other information	:	

10. Stabilität und Reaktivität

10.1. Reactivity	:	
10.2. Chemical stability	:	
10.3. Possibility of hazarous 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. Toxilogical information

11.1. Information on toxilogical effects	:	not toxic, foodstuff and animal feed material
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	:	foodstuff and animal feed material
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 utilized for primary use or thermal recycling
European Waste Catalogue code No	:	020304
Further information	:	Must be disposed of in accordance with official regulations

14. Transport information

General	:	foodstuff and animal feed material, not a dangerous substance
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 regulations/legislation specific for the substance or mixture-	:	National rules (Germany): Water hazard class not hazardous to water when used as food or feed generally hazardous to water in technical use 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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