



## EC- Safety data sheet: vegetable oil

28.07.2018

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	:	rapeseed oil or sunflowerseed 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	Bunge Austria GmbH
Street	:	Bonadiesstraße 3-5	Industriegelände West 3
Postcode / town	:	D-68169 Mannheim	A-2460 Bruck /Leitha
Telephone	:	(+49) 621 3704-0	(+43) 2162 606-0
Telefax	:	(+49) 621 3704-109	(+43) 2162 606-93
Person to contact for further information	:		
Quality	:	(+49) 621 3704-300	(+49) 621 3704-300
Technique	:	(+49) 621 3704-237	(+43) 2162 606-13
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 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	:	substance, foodstuff or animal feedingstuff	
Chemical characterization	:	triglyceride, vegetable oil	
Concentration of the ingredients in the mixture	:		
CAS-No.	:	rapeseed oil 8002-13-9	sunflowerseed oil 8001-21-6
Index-No. (67/584/EWG)	:		
EINECS	:	rapeseed oil 232-299-0	sunflowerseed oil 232-273-9

### 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. Indikation of any immediate medical attention and special treatment needed	:	not applicable

### 5. Firefighting measures

5.1 Extinguishing media	:		
Suitable extinguishing media	:	foam, CO <sub>2</sub> , firefighting powder, sand	
Unsuitable extinguishing media	:	water	
5.2. Special hazards arising from the substance	:		
Combustion product, resulting gases	:	thermal decomposition, produces acrolein	
gefährliche Verbrennungsprodukte	:	C <sub>3</sub> H <sub>4</sub> 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. 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	:	fire hazard when welding the empty container
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	:	not applicable
a. How to manage risks	:	
b. How to control effects	:	
c. How to maintain the integrity	:	use of stabilisers 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	:	not applicable
8.2 Exposure controls		
der Exposition	:	
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	:	yellow fluid	
b. Odour	:	neutral to natural	
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	:	when finely dispered, e.g. in bleaching earth, insulating materials, clothings.	
j. Upper/lower flammability or explosive limits	:	not applicable	
k. Vapour pressure	:	< 0,001 mbar bei 20°C	
l. Vapour density	:		
m. Relative density	:	910 - 920 kg/m <sup>3</sup> at 20° C	DGF C-IV 2
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 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	:	foodstuff and 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	:	does not move under natural forces to the groundwater
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, foodstuff and 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-	:	not applicable
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.