

as per 1907/2006/EC, last amended by 453/2010/EU

1. Description of the substance or mixture and the undertaking

1.1 Product identifier	:	Plant crude glycerol
1.2 Relevant identified uses of the substance or Substance mixture and uses advised against	:	for further processing
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 nummer	:	(+49) 621 3704 999

2. Possible dangers

2.1. Hazard designation	:	not applicable
2.2. Additional hazard information	:	none, if used as intended for man and environment R- and S- (or H- and P-) clauses are not applicable

3. Composition / indication of the ingredients

3.1. Chemical characterization	:	1,2,3, - Propantriol (purity at least 80%)
CAS-No.	:	56-81-5
EINECS	:	200-289-5
3.2. Hazardous ingredients	:	not applicable

4. First aid measures

4.1. General information	:	No special measures required. Contaminated clothing remove
4.2. Inhalation	:	Fresh air supply, consult a doctor if symptoms occur.
4.3. Skin contact	:	in general, the product is not irritating to the skin, use rinsing with running water or soap.
4.4. eye contact	:	rinse under running water (approx. 10-15 minutes) in case of complaints consult a specialist.
4.5. Ingestion	:	rinse the oral cavity, seek medical advice if symptoms persist.

5. Fire-fighting measures

5.1 Suitable extinguishing media	:	foam, CO ₂ , extinguishing powder or water spray. Larger fire with water spray jet or alcohol-resistant foam. Coordinate fire extinguishing measures with the environment..
5.2. special characteristics of the substance or mixture hazardous combustion products	:	formation of acrolein during thermal decomposition outgoing risks Acrolein C ₃ H ₄ O
5.3. Instructions for fire-fighting Protective measures, protective equipment	:	no special measures required

6. Accidental release measures

6.1 Person-related safety precautions	:	All persons whose presence is not required from whom the affected area. Close leaks without taking any personal risk.
6.2 Environmental precautions	:	Do not discharge into sewerage systems or bodies of water. In the event of ingress into water or sewage systems, responsible for notify the authorities.
6.3. Procedure for cleaning / absorption	:	With liquid-binding material (sand, diatomaceous earth, acid binder, universal binder). The product included in Transfer marked and closable containers
6.4. Additional information	:	Dispose of collected material according to regulations. No dangerous substances are released

7. Handling and storage

7.1 Handling		
Advice on safe handling	:	Above and beyond the usual level of personal hygiene, there is no risk of injury. special protective measures must be observed.
Information on fire and explosion protection:		Keep away from heat and sources of ignition.
7.2. Storage	:	
Requirements to be met by storerooms and containers	:	Close opened containers carefully and store them upright in order to avoid damage to the environment. To prevent any leakage. Always store in containers, that correspond to the original container.
Information on storage in a combined storage	:	Do not store together with oxidizing agents
Further information on storage conditions	:	Keep container closed, protected from heat and direct sunlight. Protect from sunlight.
VCI storage class	:	10 - 13 other liquids and solids (not LGK 1 - 8)

8. Limitation and monitoring of exposure / personal protective equipment

8.1. components with work-related components, limit values to be monitored:		The product does not contain any relevant quantities of substances with workplace-related limit values to be monitored.
8.2. Personal protective equipment	:	
General protective and hygienic measures	:	Check with the manufacturer of protective equipment whether the selected protection is sufficient
Respiratory protection	:	not required, but avoid inhalation of vapours
Hand protection	:	Use protective gloves for intensive contact. For possible skin contact with the product offers the use of Gloves, tested according to e. g. EN 374, adequate protection. The Protective glove should always be fitted to its Workplace-specific suitability (e. g. mechanical resistance), product compatibility, antistatic properties). statements and Information from the glove manufacturer on application, storage, Follow the instructions for care and replacement of gloves. The Protective gloves should be worn in case of damage or first use. wear and tear can be replaced immediately.
Eye protection	:	Wear protective goggles when refilling.
Body protection	:	Work protective clothing.

9. Physical and chemical properties

9.1. condition / colour	:	liquid, amber, odourless
9.2. Change of state	:	Boiling point / boiling range: approx. 140°C solidification point: < 0°C
9.3. Flash point	:	>150 °C (OCC) - after evaporation of water (concentration >97,5 5%)
9.4. Danger of explosion	:	The product is not explosive.
9.5. Ignition temperature	:	400°C
9.5. Density at 20°C	:	1240 g/cm ³
9.6. Solubility in / Miscibility with water	:	miscible
9.7. solubility in other substances	:	miscible with ethanol, slightly soluble in acetone, insoluble in ether and Chloroform
9.8. pH-value	:	neutral

10. Stability and reactivity

10.1. Thermal decomposition / to be avoided Conditions	:	Stable under normal conditions
10.2. Materials to avoid	:	Oxidizing agents
10.3. Hazardous reactions	:	No hazardous reactions known.
10.4. Hazardous decomposition products	:	formation of acrolein during thermal decomposition

11. Toxicological data

11.1. Acute toxicity Classification-relevant	:	
Acute oral toxicity	:	LD50 12,6 g/kg
Acute dermal toxicity	:	LD50 > 10 g/kg
Acute inhalative toxicity	:	LC50 > 570 mg/m ³ exposure duration 1 hour
11.2. Primary irritant effect on the skin	:	No irritant effect, species rabbit
on the eye	:	No irritant effect, species rabbit

12. Ecology Data

12.1. Ecotoxicological effects	:	fully biodegradable
12.2. General information	:	Water hazard class 1 (list classification): weak Hazardous to water, not undiluted or in large quantities into the water. Allow groundwater, water or sewage to enter.

13. Notes on disposal

13.1. Product Recommendation	:	Smaller quantities of special waste bins can be transferred or sent to Collection point for problematic substances. The choice of disposal method depends on the composition of the product at the time of disposal and the local regulations. depending on the disposal options
13.2 Waste code number	:	No waste code number can be assigned to this product in accordance with the European Waste Catalogue (EWC), since only the waste catalogues will be published at the end of the year. Reason for payment by the consumer allows an assignment. The waste key number must be agreed with the disposal company / manufacturer / the authority
13.3. Uncleaned packagings Recommendation	:	Disposal in accordance with official regulations.



14. Transport information

No dangerous goods according to RID/ADR, ADNR, IMDG, ICAO / IATA-DGR: The product is not subject to national and international transport regulations for road, rail, sea and air.

15. Legislation

15.1. Labelling according to EEC directives	:	The usual precautions when handling chemicals must be observed. The product is certified according to EC directives/GefStoffV not subject to labelling.
15.2. Identification letter and hazard designation of the product	:	designation of the product:
Safety data sheet	:	according to 1907/2006/EC, last amended by 453/2010/EU
Trade name	:	Plant crude glycerol
National regulations: Classification according to AwSV	:	
Water hazard class	:	WGK 1 (list classification) slightly hazardous to water

16. Other disclosures

The information is based on the current state of our knowledge, however, they do not represent an assurance of product properties and do not constitute a contractual legal relationship.