



Glicerina

**5625, 9948, 11517, 15269, 16500, 20077,
20285, 21530, 21088, 23287**

MATERIAL SAFETY DATA SHEET

CE 1907/2006 (REACH)

Revision: 5625-QD3

Date: 23/04/2015

Cancel and replace: 5625-QD2, 16/06/2011

1. Identification of the substance/preparation and the company

Product name:	<u>GLICERINA</u>
	P-5625 - GLICERINA NATURAL BIDEUTILADA P-9948 - GLICERINA VEGETAL USP P-11517 - L-GLICERINA NAT. BID. USP P-15269 - GLICERINA VEG USP P-16500 - GLICERINA VEG USP 85% P-20077 - GLICERINA VEG EP P-20285 - GLICERINA VEGETAL USP E422 AC P-21088 - GLICERINA VEG P-21530 - GLICERINA VEGETAL USP E422 P-23287 - GLICERINA VEGETAL USP E422 MB
Additional data:	*
	Uses: Pharmaceutical production, Cosmetic raw material.
	REACH Registration Number A registration number is not available for this substance as the substance or its use are exempted from registration .
Company identification:	PINK MULE SL Calle Real 6-8 06670 Herrera del Duque Badajoz - ES Spain 0034 924652075 - 0034 924652072
Emergency phone:	0034 924652075 - 0034 924652072

2. Hazards identification

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Classification of the substance or mixture

This substance is not classified as dangerous according to European Union legislation .

Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a dangerous substance according to GHS .

CAS-No: 56-81-5

Labelling (67/548/EEC or 1999/45/EC)

The product does not need to be labelled in accordance with EC directives or respective national laws .

EC-No: 200-289-5

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required /not conducted.

Other hazards

None known.

3. Composition/information on ingredients

Formula: (HOCH₂)₂CHOH C₃H₈O₃ (Hill)

CAS-No: 56-81-5

EC-No: 200-289-5

Molar mass: 92,1 g/mol

4. First-aid measures

Description of first aid measures

- After inhalation :

Fresh air.

- After skin contact :

Wash off with plenty of water.

Remove contaminated clothing.

- After eye contact :

Rinse out with plenty of water.

After swallowing: make victim drink water (two glasses at most).

Consult doctor if feeling unwell.

Most important symptoms and effects , both acute and delayed

Cyanosis, gastric pain, Drowsiness, Diarrhoea, Vomiting, Headache, irritant effects.

Indication of immediate medical attention and special treatment needed

No information available.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media :

Water, Carbon dioxide (CO₂), Foam, Dry powder.

Unsuitable extinguishing media :

For this substance/mixture no limitations of extinguishing agents are given .

Special hazards arising from the substance or mixture

Combustible material. Vapours are heavier than air and may spread along floors .

Forms explosive mixtures with air on intense heating .

Development of hazardous combustion gases or vapours possible in the event of fire .

Fire may cause evolution of: Acrolein

Advice for firefighters

Special protective equipment for fire -fighters :

Stay in danger area only with self-contained breathing apparatus.

Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing .

Further information :

Cool closed containers exposed to fire with water spray .

Suppress (knock down) gases/vapours/mists with a water spray jet.

Prevent fire extinguishing water from contaminating surface water or the ground water system .

6. Accidental release measures

Personal precautions , protective equipment and emergency procedures

Advice for non -emergency personnel :

Do not breathe vapours, aerosols.

Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders :

Protective equipment see section 8.

Environmental precautions

Do not empty into drains.

Methods and materials for containment and cleaning up

Cover drains.

Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7 and 10).

Take up with liquid-absorbent material.

Dispose of properly.

Clean up affected area.

Reference to other sections

Indications about waste treatment see section 13.

7. Handling and storage**Precautions for safe handling**

Observe label precautions.

Conditions for safe storage , including any incompatibilities

Tightly closed.

Store at +5°C to +30°C.

8. Exposure controls/Personal protection**Control parameters**

Components with workplace control parameters :

Basis	Value	Threshold limits	Ceiling Limit Value, Remarks
Glycerine (56-81-5) EH40 WEL	Time Weighted Average (TWA):	10 mg/m ³	Form of exposure: Mist

Recommended monitoring procedures :

Methods for measurement of the workplace atmosphere have to correspond to the requirements of norms DIN EN 482 and DIN EN 689.

Exposure controls**Engineering measures :**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.

Individual protection measures :

Protective clothing needs to be selected specifically for the workplace , depending on concentrations and quantities of the hazardous substances handled .

The chemical resistance of the protective equipment should be enquired at the respective supplier .

Hygiene measures :

Change contaminated clothing .

Wash hands after working with substance .

- Eye/face protection :

Safety glasses .

- Hand protection :

- Full contact:

Glove material: Nitrile rubber
Glove thickness: 0,11 mm
Break through time: > 480 min

- Splash contact:
Glove material: Nitrile rubber
Glove thickness: 0,11 mm
Break through time: > 480 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374.

The breakthrough times stated above were determined according to EN 374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet

When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 374 please contact the supplier of CE-approved gloves.

- Respiratory protection :

Required when vapours/aerosols are generated.

Recommended Filter type: Filter A-(P2)

The entrepreneur has to ensure that maintenance , cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer .

These measures have to be properly documented .

Environmental exposure controls

Do not empty into drains.

9. Physical and chemical properties

Form: liquid

Colour: colourless

Odour: odourless

Odour Threshold : No information available.

pH: ca. 5 at 100 g/l 20 °C

Melting point : 18 °C

Boiling point /boiling range : 290 °C at 1.013 hPa (decomposition)

Flash point : 199 °C Method: c.c.

Evaporation rate No information available.

Flammability (solid, gas) No information available.

Lower explosion limit : 2,6 %(V)

Upper explosion limit : 11,3 %(V)

Vapour pressure : < 0,001 hPa at 20 °C

Relative vapour density : 3,18

Relative density : 1,26 g/cm³ at 20 °C

Water solubility : at 20 °C soluble

Partition coefficient : noctanol/water: log Pow: -1,76 Method: (experimental) (Lit.) Bioaccumulation is not expected.

Autoignition temperature : No information available.

Decomposition temperature : > 290 °C

Viscosity , dynamic: 1.412 mPa.s at 20 °C

Explosive properties : No information available.

Oxidizing properties : No information available.

Other data

Ignition temperature : 400 °C

10. Stability and reactivity

Reactivity :

Forms explosive mixtures with air on intense heating .

Chemical stability :

The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions :

Risk of explosion with: halogens, Strong oxidizing agents, peroxi compounds, Nitric acid, with, conc. sulfuric acid, hydrogen peroxide, perchlorates, Nitriles.
Risk of ignition or formation of inflammable gases or vapours with : potassium permanganate, halogen oxides, hydrides, chromium(VI) oxide.
Exothermic reaction with: Oxides of phosphorus

Conditions to avoid :

Strong heating.
A range from approx. 15 Kelvin below the flash point is to be rated as critical.

Incompatible materials

No information available.

Hazardous decomposition products :

In the event of fire: See chapter 5.

11. Toxicological information

Acute oral toxicity :

LD50 rat
Dose: 12.600 mg/kg
(IUCLID)
Symptoms: Vomiting, gastric pain, Diarrhoea

Acute dermal toxicity :

LD50 rabbit
Dose: > 18.700 mg/kg
(IUCLID)

Skin irritation :

Rabbit
Result: No irritation
(IUCLID)

Eye irritation :

Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Sensitisation :

Patch test: human
Result: negative
(IUCLID)

Genotoxicity in vitro :

Ames test
Result: negative
(IUCLID)

Specific target organ toxicity - single exposure :

The substance or mixture is not classified as specific target organ toxicant , single exposure.

Specific target organ toxicity - repeated exposure :

The substance or mixture is not classified as specific target organ toxicant , repeated exposure.

Aspiration hazard :

Based on available data the classification criteria are not met .

Further information :

Systemic effects:
After swallowing of large amounts: Cyanosis, Headache, Drowsiness.

Further data:

Substances which occur in nature
No toxic effects are to be expected when the product is handled appropriately .
Handle in accordance with good industrial hygiene and safety practice .

12. Ecological information

Toxicity

Toxicity to fish :

LC50

Species: Carassius auratus (goldfish)

Dose: > 5.000 mg/l

Exposure time: 24 h

(Lit.)

Toxicity to daphnia and other aquatic invertebrates :

EC5

Species: E.sulcatum

Dose: 3.200 mg/l

Exposure time: 72 h

(Lit.)

EC50

Species: Daphnia magna (Water flea)

Dose: > 10.000 mg/l

Exposure time: 24 h

(IUCLID)

Toxicity to algae :

IC5

Species: Scenedesmus quadricauda (Green algae)

Dose: > 10.000 mg/l

Exposure time: 7 d

(Lit.)

Toxicity to bacteria :

EC5

Species: Pseudomonas putida

Dose: > 10.000 mg/l

Exposure time: 16 h

(Lit.)

Persistence and degradability

Biodegradability :

Result: Readily biodegradable.

63 %

Exposure time: 14 d

Method: OECD Test Guideline 301C

Biochemical Oxygen Demand (BOD):

870 mg/g (5 d)

Chemical Oxygen Demand (COD):

1.160 mg/g

Theoretical oxygen demand (ThOD):

1.217 mg/g

(Lit.)

Ratio BOD/ThBOD:

BOD5 71 %

(Lit.)

Ratio COD/ThBOD:

95 %

(Lit.)

Bioaccumulative potential

Partition coefficient : n-octanol/water:

Log Pow: -1,76

Method: (experimental)
(Lit.) Bioaccumulation is not expected.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required /not conducted.

Other adverse effects

Additional ecological information

Do not allow to run into surface waters, wastewater, or soil.

13. Disposal considerations

Waste treatment methods :

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers.

No mixing with other waste.

Handle uncleaned containers like the product itself.

14. Transport information

Not classified as dangerous in the meaning of transport regulations

15. Regulatory information

Safety, health and environmental regulations /legislation specific for the substance or mixture

EU regulations :

Major Accident Hazard Legislation:

96/82/EC. Directive 96/82/EC does not apply

National legislation :

Storage class VCI: 10 Combustible liquids not in Storage Class 3

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. Other information

Training advice :

Provide adequate information, instruction and training for operators.

* An asterisk in the left margin at the beginning of a section indicates a change in comparison with the previous version

The information contained within this material safety data sheet is based on our current knowledge and on the national and EU legislation in force, meaning that user's work conditions are out of our knowledge and control. The product must not be used for any purpose other than those specified, without having a previous written handling instruction. The user is always responsible for taking the appropriate measures in order to ensure the enforcement of the law. The information within this material safety data sheet is only a description of the product safety requirements and is not to be considered as warranty of property identification.
