



S a f e t y D a t a S h e e t
According to Regulation (EC) 1907/2006

146159 **Polysorbate 60** (USP, BP, Ph. Eur.) PRS-CODEX

1. Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:

Polysorbate 60

1.2 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:

PANREAC QUIMICA, S.L.U.

C/Garraf, 2

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2. Identification of dangers

No hazardous substance as specified in Regulation (CE) 1907/2006.

3. Component Composition/Information

Name: Polysorbate 60

Formula: $C_{64}H_{126}O_{26}$ M.=1311,67 CAS [9005-67-8]

EC number (EINECS): 500-020-4

4. First aid

4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Inhaling:

Go out into the fresh air.

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes:

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. In the event of irritation, seek medical assistance.

4.5 Swallowing:

Drink large amounts of water. Avoid vomiting. In the event of sickness, seek medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

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

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Combustible. Keep away from sources of ignition. In the event of fire, toxic fumes may form. Do not allow extinguishing water into surface or underground water courses.

5.4 Protective equipment:

Suitable clothing and footwear. Self-contained breathing equipment.

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Avoid contact with the skin, eyes or clothing. Do not inhale the fumes. Ensure adequate ventilation.

6.2 Precautions for care of the environment:

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods for collection/cleaning:

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

7. Handling and storage

7.1 Handling:

Ensure good ventilation and renewal of the air in the premises.

7.2 Storage:

Well sealed containers. In a cool, dry, well ventilated place. Atmospheric temperature.

8. Staff exposure/protection controls

8.1 Technical protective measures:

Ensure good ventilation and renewal of the air in the premises.

8.2 Exposure limit control:

8.3 Respiratory protection:

Use suitable breathing equipment.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Use suitable work clothing. Remove contaminated clothing. Wash hands before breaks and when the job is done. Do not inhale the substance. Do not eat, drink or smoke in the workplace.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

The supplier of the protection equipment must specify the type of protection to be worn when handling the substance or preparation, including the type of material and the breakthrough time of the material, with regard to the amount and duration of exposure.

9. Physical and chemical properties

Appearance:

Viscous liquid.

Odour:

Odourless.

Density (20/4): 1,080

10. Stability and reactivity

10.1 Conditions which should be avoided:

10.2 Matter which should be avoided:

10.3 Hazardous decomposition products:

Carbon monoxide. Carbon dioxide.

10.4 Complementary information:

11. Toxicological information

11.1 Acute toxicity:

LD₅₀ oral rat: 38 g/kg

Skin irritation test (humans): 15 mg/3 D-I: light.

11.2 Dangerous effects for health:

No dangerous characteristics are to be anticipated.

Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.1.1 - EC₅₀ test (mg/l):

Crustaceans (Daphnia magna) CE50: >10 mg/l/48h

Bacteria CE50: 146-774 mg/l/5min

12.2.2 - Receptor medium:

Risk for the water environment = ----

Risk for the land environment = ----

12.2.3 - Observations:

Ecotoxic data not available.

12.3 Degradability:

12.3.1 - Test: BOD₅ = -----

12.3.2 - Biotic degradation classification:

BOD₅/COD Biodegradability = 0,97

12.3.3 - Abiotic degradation depending on pH: -----

12.3.4 - Observations:

Easily biodegradable product.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk = -----

12.4.3 - Observations:

Data not available.

12.5 Other possible effects on the environment:

Do not allow it to enter soils or water channels. Do not allow it to enter the sewage system.

13. Considerations regarding elimination

13.1 Substance or preparation:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country. In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes.

Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

13.2 Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

14. Information concerning transport

15. Mandatory information

Labelling as per REACH

16. Other information

Review number and date:0 07.06.09

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.