



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

15A780 **Styrene, 99%** stabilized with 4-*tert*-Butylpyrocatechol PS

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

1.1 Identification of the substance or preparation

Name:

Estireno estabilizado con 4-ter-Butilpirocatequina

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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Emergencies:

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2. Identification of dangers

Flammable. Harmful by inhalation. Irritating to eyes and skin.

3. Component Composition/Information

Name: Styrene stabilized with 4-tert-Butylpyrocatechol

Formula: C₈H₈ M.=104,15 CAS [100-42-5]

EC number (EINECS): 202-851-5

EC index number: 601-026-00-0

4. First aid

4.1 General indications:

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

4.2 Inhaling:

Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

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. Seek immediate medical assistance.

4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

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. The fumes are heavier than air, so they may spread at floor level. May form explosive mixtures with the air.

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:

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:

Avoid the formation of electrostatic charges.

7.2 Storage:

Well sealed containers. In a cool place. Away from light.

8. Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

NIOSH-TWA: 50 ppm or 215 mg/m³

VLA-ED: 20 ppm or 86 mg/m³

VLA-EC: 40 ppm or 172 mg/m³

8.3 Respiratory protection:

Use suitable breathing equipment. Filter A. Filter P.

8.4 Hand protection:

Use suitable gloves(neopren, nitrile)

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands before breaks and when the job is done. Do not inhale the substance.

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:

Transparent, colourless liquid.

Odour:

Characteristic.

Boiling point: 145°C

Melting point: -31°C

Flash point: 31°C

Self-ignition temperature: 480°C

Explosion limits (lower/upper): 1,1 / 8,9 Vol. %

Vapour pressure: (20°C) 6 hPa

Density (20/4): 0,9

Solubility: 0,24 g/l in water at 20°C

10. Stability and reactivity

10.1 Conditions which should be avoided:

High temperatures.

10.2 Matter which should be avoided:

Acids. Polymerization initiators.

10.3 Hazardous decomposition products:

Peroxides.

10.4 Complementary information:

Moisture sensitive.

11. Toxicological information

11.1 Acute toxicity:

LD₅₀ oral rat: 5000 mg/kg

LC₅₀ inh rat: 24 mg/m³/4h

11.2 Dangerous effects for health:

If inhaled: Irritations to the mucosae, coughing, breathing difficulties.

Through contact with the eyes: irritations.

Upon contact with the skin: irritations.

If it is absorbed in large quantities: headaches, vertigo, narcosis.

No damage is anticipated to the foetus, provided the VLA values are respected (maximum admissible concentration in the workplace).

There are no definite conclusions regarding the carcinogenic effect of this substance on humans.

Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.1.1 - EC₅₀ test (mg/l):

12.2.2 - Receptor medium:

Risk for the water environment = -----

Risk for the land environment = -----

12.2.3 - Observations:

Acute and chronically ecotoxicity in the dumping area.

12.3 Degradability:

12.3.1 - Test:-----

12.3.2 - Biotic degradation classification:

BOD₅/COD Biodegradability = -----

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

12.3.4 - Observations:

Biodegradable product.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk = -----

12.4.3 - Observations:

Bioaccumulable product.

12.5 Other possible effects on the environment:

Do not allow it to enter soils or water channels. Water-pollutant product.

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

Overland (ADR):

Technical name: ESTIRENO MONOMERO ESTABILIZADO

ONU 2055 Class: 3 Packaging group: III (D/E)

By sea (IMDG):

Technical name: ESTIRENO MONOMERO ESTABILIZADO

ONU 2055 Class: 3 Packaging group: III

By air (ICAI-IATA):


Technical name: Estireno monómero, estabilizado

ONU 2055 Class: 3 Packaging group: III

Packaging instructions: CAO 310 PAX 309

15. Mandatory information

15.1 Labelling as per REACH

Symbols: 

Danger indications: Harmful

Phrases R: 10-20-36/38 Flammable. Harmful by inhalation. Irritating to eyes and skin.

Phrases S: 23b Do not breathe fumes.

EC index number: 601-026-00-0

16. Other information

Review number and date:1 07.06.09

In respect of the previous review, changes have been made to the following sections: 8.

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.