



Safety Data Sheet

According to Regulation (EC) 1907/2006



A988 Benzyltrimethylammonium Chloride

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

1.1 Identification of the substance or preparation

Name:

Benzyltrimethylammonium Chloride

1.2 Synonym:

1.3 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.4 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

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Emergencies:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Eye Irrit. 2

Acute Tox. 4

Hazard Pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

H302 Harmful if swallowed.

Precautionary statements

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

Classification (67/548/CEE or 1999/45/CE).

Xn Harmful R36
R22

For the full text of the R-phrases mentioned in this section, see section 16.

Component Composition/Information

Name: Benzyltrimethylammonium Chloride

Formula: C₁₀H₁₆CIN M.= 185,70 CAS [56-93-9]

EC number (EINECS): 200-300-3

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. In the event of suffocation, proceed to provide artificial respiration.

4.3 Contact with the skin:

Wash with plenty of soap and water. Remove contaminated clothing. In the event of irritation, seek medical assistance.

4.4 Eyes:

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek medical assistance.

4.5 Swallowing:

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

Fire-fighting means

5.1 Suitable fire-extinguishing means:

Carbon dioxide (CO₂). Foam. Dry powder.

5.2 Fire-fighting means which must NOT be used:

Water.

5.3 Special risks:

Combustible. Keep away from sources of ignition. In the event of fire, toxic fumes may form: HCl, NO_x. Do not allow extinguishing water into surface or underground water courses. Keep the workplace dry. The substance must not come into contact with water.

5.4 Protective equipment:

Suitable clothing and footwear. Self-contained breathing equipment.

Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Avoid contact with the skin, eyes or clothing. Ensure adequate ventilation. Do not inhale the dust. Evacuate all non-essential personnel.

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 dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

Handling and storage

7.1 Handling:

Ensure good ventilation and renewal of the air in the premises. Handle under an extractor fan.

7.2 Storage:

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

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:

If dust forms, use suitable respiratory protection.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Wash hands and face before breaks and when the job is done.

Use suitable work clothing. Avoid the formation of dust. Do not eat, drink or smoke in the workplace. Do not inhale the substance.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

Physical and chemical properties

Appearance:

Colour:

Granulometry:

Odour:

pH: 6 - 8 (10% sol.)

Melting point/freezing point: 239 °C

Initial boiling point and boiling range:

Flash point:

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapour pressure:

Vapour density:

Relative density:

Solubility: 800 g/l in water at 20°C

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Stability and reactivity

10.1 Conditions which should be avoided:

10.2 Matter which should be avoided:

Strong oxidant agents. Bases. Reducing agents. Alkaline metals.

10.3 Hazardous decomposition products:

Carbon monoxide. Carbon dioxide. Nitrogen oxides. Hydrogen chloride.

10.4 Complementary information:

Hygroscopic.

Toxicological information

- **Acute toxicity:**

TDL0 oral rat : 1.666 mg/kg

LD50 oral rat : 300 mg/kg

- **Dangerous effects for health:**

If inhaled: Irritations to the mucosae coughing breathing difficulties Upon contact with the skin: irritations Through contact with the eyes: irritations If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. If it is absorbed in large quantities: drowsiness dizziness euphoria anxiety spasms narcosis Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

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:

Ecotoxic data not available.

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:

Data not available.

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.

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.

Information concerning transport

Overland (ADR):

By sea (IMDG):

By air (ICAI-IATA):

Regulatory information

Other information

Other precautionary statements

P330 Rinse mouth.

P337+P313 If eye irritation persists: Get medical advice/attention.

Labelling (65/548/CEE or 1999/45/CE)

| | |
|---------------|--|
| R-phrases(s): | R36 Irritating to eyes. R22 Harmful if swallowed. |
| S-phrases(s): | S24 Avoid contact with skin. |

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.

In respect of the previous review, changes have been made to the following sections: 2, 3, 15

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