



## Safety Data Sheet

According to Regulation (EC) 1907/2006



A918 2-Bromopropane

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

## 1.1 Identification of the substance or preparation

Name:

2-Bromopropane

## 1.2 Synonym:

Isopropyl Bromide

## 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.**

Repr. 1A

Flam. Liq. 2

Acute Tox. 4

## Hazard Pictograms



## Signal word

Danger

## Hazard statements

H360F May damage fertility.

H225 Highly flammable liquid and vapour.

H373 May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H332 Harmful if inhaled.

EUH066 Repeated exposure may cause skin dryness or cracking.

## Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.

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

R66

T Toxic R48/20

F Highly flammable R11

R60

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

# Component Composition/Information

Name: 2-Bromopropane

Formula: C<sub>3</sub>H<sub>7</sub>Br M.= 123,00 CAS [75-26-3]

EC number (EINECS): 200-855-1

EC index number: 602-085-00-5

## 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 of suffocation, proceed immediately to provide artificial respiration. Seek immediate medical assistance.

### 4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing. Take the product out with cotton wool soaked in polyethylene-glycol 400.

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

## Fire-fighting means

### 5.1 Suitable fire-extinguishing means:

Atomized water. Carbon dioxide (CO<sub>2</sub>). Foam. Dry powder.

### 5.2 Fire-fighting means which must NOT be used:

### 5.3 Special risks:

Flammable. Keep away from sources of ignition. In the event of fire, toxic fumes may form: May form explosive mixtures with the air. The fumes are heavier than air, so they may spread at floor level. Do not allow extinguishing water into surface or underground water courses.

### 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:**

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

## Handling and storage

**7.1 Handling:**

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

**7.2 Storage:**

Well sealed containers. In a cool, dry, well ventilated place. Away from sources of ignition and heat. Atmospheric temperature. Restricted access, only authorized to technicians.

## Staff exposure/protection controls

**8.1 Technical protective measures:**

Ensure good ventilation and renewal of the air in the premises. Avoid exposure during handling and transfer.

**8.2 Exposure limit control:****8.3 Respiratory protection:**

Filter AX.

**8.4 Hand protection:**

Use suitable gloves

**8.5 Eye protection:**

Use suitable goggles.

**8.6 Individual hygiene measures:**

Remove contaminated clothing. Use suitable work clothing. Wash hands and face 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.

# Physical and chemical properties

Appearance: liquid

Colour: Colourless

Granulometry:

Odour: Characteristic.

pH:

Melting point/freezing point: -89 °C

Initial boiling point and boiling range: 60 °C

Flash point: 19 °C

Flammability (solid, gas):

Upper/lower flammability or explosive limits: / 4,6 %(V)

Vapour pressure: 1.033 hPa (60 °C)

Vapour density:

Relative density: (20/4) 1,31

Solubility: Immiscible with water.

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

## Stability and reactivity

### 10.1 Conditions which should be avoided:

High temperatures.

### 10.2 Matter which should be avoided:

Strong oxidant agents. Alkaline hydroxides. Strong bases.

### 10.3 Hazardous decomposition products:

Carbon monoxide. Carbon dioxide.

### 10.4 Complementary information:

## Toxicological information

- **Acute toxicity:**

LD50 ivn mus : 4.837 mg/kg

- **Dangerous effects for health:**

Harmful to the health. Can cause effects on the central nervous system kidney problems hepatic problems If inhaled: Irritations to the mucosae coughing breathing difficulties Upon contact with the skin: irritations Can de-moisturize and dehydrate it, producing irritation and dermatitis. Through contact with the eyes: irritations Systemic effects: narcosis cardiovascular disorders Possible risk of impaired fertility. Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **Environmental information**

### **12.1 Mobility:**

Repartition: log P(oct)= 2,14

### **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:

Product with a low bioaccumulative potential.

### **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):

Technical name: BROMOPROPANES

UN 2344 Class: 3 Packaging group: II (D/E)

By sea (IMDG):

Technical name: BROMOPROPANES

UN 2344 Class: 3 Packaging group: II

By air (ICAI-IATA):

Technical name: Bromopropanes

UN 2344 Class: 3 Packaging group: II

Packaging instructions: CAO 307 PAX 305

## Regulatory information

# Other information

## Other precautionary statements

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

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

P281 Use personal protective equipment as required.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P370+P378 In case of fire: Use for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

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

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

R-phrase(s):	<b>R66</b> Repeated exposure may cause skin dryness or cracking. <b>R48/20</b> Harmful: danger of serious damage to health by prolonged exposure through inhalation. <b>R11</b> Highly flammable. <b>R60</b> May impair fertility.
S-phrase(s):	<b>S45</b> In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). <b>S53</b> Avoid exposure - obtain special instructions before use. <b>S16</b> Keep away from sources of ignition - No smoking.

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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