



## Safety Data Sheet

According to Regulation (EC) 1907/2006



A834 N-Bromosuccinimide

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

## 1.1 Identification of the substance or preparation

Name:

N-Bromosuccinimide

## 1.2 Synonym:

1-Bromo-2,5-Pyrrolidinedione, NBS, Succinbromimide

## 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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# Identification of dangers

Classification of the substance or the mixture.

**Classification Regulation (CE) n° 1272/2008.**

Acute Tox. 4

Eye Irrit. 2

STOT SE 3

Skin Irrit. 2

**Hazard Pictograms**



**Signal word**

Warning

**Hazard statements**

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

**Precautionary statements**

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

P264 Wash...thoroughly after handling.

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

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

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

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  
R36/37/38  
R22

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

# Component Composition/Information

Name: N-Bromosuccinimide

Formula: (CH<sub>2</sub>.CO)<sub>2</sub>NBr M.= 177,99 CAS [128-08-5]

EC number (EINECS): 204-877-2

## 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.

### 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.

### 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:

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

### 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:

### 5.4 Protective equipment:

## Measures to be taken in the event of accidental spillage

### 6.1 Individual precautions:

Do not inhale the dust.

### 6.2 Precautions for care of the environment:

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:

Limited shelf-life. Handle under an extractor fan.

## 7.2 Storage:

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

# Staff exposure/protection controls

## 8.1 Technical protective measures:

## 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. Use suitable work clothing. Wash hands and face 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.

# Physical and chemical properties

Appearance: solid

Colour: White

Granulometry:

Odour: Characteristic.

pH:

Melting point/freezing point: 173,5 °C

Initial boiling point and boiling range:

Flash point:

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapour pressure: 14,8 hPa (20 °C)

Vapour density:

Relative density: 2,098

Solubility: 14,7 g/l water 25 °C

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

## Stability and reactivity

### 10.1 Conditions which should be avoided:

Moisture-sensitive. Light-sensitive.

### 10.2 Matter which should be avoided:

Alcohols. Amines. Ammonia.

### 10.3 Hazardous decomposition products:

Nitrous fumes.

### 10.4 Complementary information:

Heat sensitive. Light-sensitive.

## Toxicological information

- **Acute toxicity:**

- **Dangerous effects for health:**

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. 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:**

Product hardly pollutant for water.

Environmental risks cannot be excluded if used and/or disposed of inappropriately.

## 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: CORROSIVE SOLID, N.O.S.

UN 1759 Class: 8 Packaging group: III (E)

By sea (IMDG):

Technical name: CORROSIVE SOLID, N.O.S.

UN 1759 Class: 8 Packaging group: III

By air (ICAI-IATA):

Technical name: Corrosive solid, n.o.s.

UN 1759 Class: 8 Packaging group: III

Packaging instructions: CAO 823 PAX 822

## **Regulatory information**

## **Other information**

**Other precautionary statements**

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

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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

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

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

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P362 Take off contaminated clothing and wash before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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

R-phrases(s):	<b>R36/37/38</b> Irritating to eyes, respiratory system and skin. <b>R22</b> Harmful if swallowed.
S-phrases(s):	<b>S36</b> Wear suitable protective clothing. <b>S26</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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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