



S a f e t y   D a t a   S h e e t  
According to Regulation (EC) 1907/2006  
and (EU) 453/2010

**3101 Trichloromethane \*stabilized with amylene**

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Name:

Trichloromethane \*stabilized with amylene

**Synonym:**

Chloroform

**CAS:** [67-66-3]

**REACH Registration Number:** 01-2119486657-20-XXXX

**1.2 Relevant identified uses of the substance or mixture:**

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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E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

**1.4 Emergency telephone:**

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

**2. Identification of dangers**

**2.1 Classification of the substance or the mixture.**

## **Classification Regulation (CE) nº 1272/2008.**

Acute Tox. 4  
Skin Irrit. 2  
Carc. 2  
Acute Tox. 3  
Repr. 2  
STOT RE 1  
Eye Irrit. 2

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

**Xi** Irritant  
**Xn** Harmful

R48/20/22  
R40  
R38  
R22  
R40  
R63  
R36

## **2.2 Label elements:**

### **Hazard Pictograms**



### **Signal word**

Danger

### **Hazard statements**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H351 Suspected of causing cancer.  
H361d Suspected of damaging the unborn child.  
H331 Toxic if inhaled.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H319 Causes serious eye irritation.

### **Precautionary statements**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash...thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves, protective clothing, eye protection or face protection.

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

### **2.3 Other hazards:**

No further relevant information available.

## **3. Composition/information on ingredients**

Name: Trichloromethane \*stabilized with amylene

Formula:  $\text{CHCl}_3$  M.= 119,38 CAS [67-66-3]

EC number (EINECS): 200-663-8

EC index number: 602-006-00-4

REACH Registration Number: 01-2119486657-20-XXXX

## **4. First aid measures**

### **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 to provide artificial respiration. Loosen clothing to release respiratory channels.

### **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 medical assistance.

### **4.5 Swallowing:**

Do not induce vomiting. Risk of aspiration. Laxatives: sodium sulphate (1 soup-spoonful in 250 ml of water). Administer Vaseline oil as a laxative (3 ml/kg). Administer a solution of medical-usage active charcoal. Do not administer digestive oils. Do not drink milk. Do not drink ethyl alcohol. Call for medical help.

## **5. Firefighting measures**

### **5.1 Suitable extinguishing media:**

As appropriate to the environment.

### **5.2 Unsuitable extinguishing media:**

No specific data.

### **5.3 Special hazards arising from the substance or mixture:**

In the event of fire, toxic fumes may form:  $\text{HCl}$ ,  $\text{Cl}_2$ ,  $\text{COCl}_2$ .

### **5.4 Advice for firefighters:**

Suitable clothing and footwear.

## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Do not inhale the fumes.

### **6.2 Environmental precautions:**

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

### **6.3 Methods and material for containment and cleaning up:**

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.

## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

No special indications.

### **7.2 Conditions for safe storage, including any incompatibilities:**

Well sealed containers. In well ventilated premises. Restricted access, only authorized to technicians.

**Recommended storage temperature:** Room temperature.

## **8. Exposure controls/personal protection**

### **8.1 Exposure controls:**

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

### **8.2 Control parameters:**

VLA-ED: 2 ppm = 50 mg/m<sup>3</sup>

### **8.3 Respiratory protection:**

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter AX. Filter P3.

### **8.4 Hand protection:**

Use suitable gloves

### **8.5 Eye/face 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 complete protective equipment.

### **8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

Appearance: liquid

Colour: Colourless

Granulometry: N/A

Odour: Characteristic.

pH:

N/A

Melting point/freezing point: -63 °C

Initial boiling point and boiling range: 61 °C

Flash point: NO

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: 210 hPa (20 °C)

Vapour density: N/A

Relative density:

Insertar Aquí Grupo de repetición

(20/4) 1,478 g/ml

Solubility: 8 g/l in water (20 °C)

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity: 0,56 mPa.s (20 °C)

## **10. Stability and reactivity**

### **10.1 Conditions to avoid:**

High temperatures.

### **10.2 Incompatible materials:**

Metals (powder). Alkaline metals. Alkali-earth metals. Peroxides. Fluorine. Strong bases. Ketones. Alkaline solutions. Alcoholates. Alkaline hydroxides. Alcohols.

Nitrogen organic compounds. Alkaline amides. Oxygen Oxygen Alkaline solutions.

Nitrogen oxides. Non-metal hydrides. bis-(Dimethylamino)-dimethyltin.

### **10.3 Hazardous decomposition products:**

COCl<sub>2</sub>. Hydrogen chloride. Chlorine.

### **10.4 Chemical stability:**

Heat sensitive.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD L0 oral rbt : 500 mg/kg

LD50 oral rat : 908 mg/kg

LC50 inh rat : 47702 mg/m<sup>3</sup> 4h

### **11.2 Dangerous effects for health:**

Possible carcinogen. Pregnant women must not be allowed to come into contact with the product. Possible risk of adverse effects to the foetus during pregnancy. If fumes inhaled: coughing breathing difficulties narcosis Due to absorption: anxiety spasms After a period of latency: vomiting diarrhoea respiratory paralysis coma Upon contact with the skin: irritations Risk of cutaneous absorption. Through contact with the eyes: Irritations to the mucosae The following cannot be ruled out: kidney problems hepatic problems

## **12. Environmental information**

### **12.1 Toxicity:**

#### **- EC50 test (mg/l):**

Bacteria (Ps. putida) EC0 125 mg/l

Classification: Highly toxic

Algae (M. aeruginosa) EC0 185 mg/l

Classification: Highly toxic

Fish 162 mg/l

Classification:

Highly toxic

#### **- Receptor medium:**

Risk for the water environment

High

Risk for the land environment

High

#### **- Observations:**

### **12.2 Persistence and Degradability :**

#### **- Test:**

#### **- Biotic degradation classification:**

BOD5/COD

Biodegradability

#### **- Abiotic degradation depending on pH:**

#### **- Observations:**

Data not available.

Possibly non-biodegradable product.

### **12.3 Bioaccumulative potential:**

#### **- Test:**

#### **- Bioaccumulation:**

Risk = ----

#### **- Observations:**

Data not available.

Possibly bioaccumulable product.

### **12.4 Mobility in soil :**

Data not available.

### **12.5 Assessment PBT and MPMB :**

Data not available.

### **12.6 Other adverse effects:**

Do not allow it to enter soils or water channels.

Extremely ecotoxic product.

Maximum precaution handling it so as not to dump any.

## **13. Disposal considerations**

### **13.1 Waste treatment methods:**

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.

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### **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.

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## **14. Transport information**

Overland (ADR):

Technical name: CHLOROFORM

UN 1888 Class: 6.1 Packaging group: III (E)

By sea (IMDG):

Technical name: CHLOROFORM

UN 1888 Class: 6.1 Packaging group: III

By air (ICAI-IATA):

Technical name: Chloroform

UN 1888 Class: 6.1 Packaging group: III

Packaging instructions: CAO 680 PAX 680

## **15. Regulatory information**

The substance is subject to Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals.

## **16. Other information**

### Other precautionary statements

P281 Use personal protective equipment as required.  
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.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P314 Get medical advice/attention if you feel unwell.  
P321 Specific treatment (see on this label).  
P330 Rinse mouth.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P261 Avoid breathing dust, fume, gas, mist, vapours or spray.  
P271 Use only outdoors or in a well-ventilated area.  
P311 Call a POISON CENTER or doctor/physician.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

R-phrases(s):	<b>R48/20/22</b> Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed. <b>R40</b> Limited evidence of a carcinogenic effect. <b>R38</b> Irritating to skin. <b>R22</b> Harmful if swallowed. <b>R40</b> Limited evidence of a carcinogenic effect. <b>R63</b> Possible risk of harm to the unborn child. <b>R36</b> Irritating to eyes.
S-phrases(s):	<b>S2</b> Keep out of the reach of children. <b>S36/37</b> Wear suitable protective clothing and gloves.

Version and revision date : 4 24.12.14

Date published: 24.12.14

In respect of the previous review, changes have been made to the following sections: 2, 16

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.