



Safety Data Sheet According to Regulation (EU) 830/2015

1067 Trichloroacetic Acid

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

1.1 Product identifier

Name:

Trichloroacetic Acid

Synonym:

TCA

REACH Registration Number: 01-2119485186-30-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

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: product.safety@panreac.com

1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

2. Identification of dangers

2.1 Classification of the substance or the mixture.

Skin Corr. 1A

Aquatic Chronic 1

STOT SE 3

2.2 Label elements:

Hazard Pictograms



Signal word

Hazard statements

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

H335 May cause respiratory irritation.

Precautionary statements

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

P264 Wash...thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

3.1 Substances

Name: Trichloroacetic Acid

Formula: CCl3COOH M.= 163,39 CAS [76-03-9]

EC number (EINECS): 200-927-2

EC index number: 607-004-00-7

REACH Registration Number: 01-2119485186-30-XXXX

3.2 Mixtures

4. First aid measures

4.1 Description of first aid measures

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

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Swallowing:

Drink large amounts of water. Avoid vomiting (there is a risk of perforation). Seek immediate medical assistance. In the event of suffocation, proceed to provide artificial respiration.

Inhaling:

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

Contact with the skin:

Wash with plenty of water. Remove contaminated clothing. Take the product out with cotton wool soaked in polyethylene-glycol 400. In the event of irritation, seek medical assistance.

Eyes:

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

5. Firefighting measures

5.1 Extinguishing media:

As appropriate to the environment. Use atomized water to wash down any fumes given off.

5.2 Special hazards arising from the substance or mixture:

Incombustible. In the event of fire, toxic fumes may form: HCl, COCl₂, CO.

5.3 Advice for firefighters:

Suitable clothing and footwear.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with the skin, eyes or clothing.

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

6.4 Reference to other sections

Not applicable

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. Dry atmosphere.

Recommended storage temperature: Room temperature.

7.3 Specific end use(s)

No more relevant data available

8. Exposure controls/personal protection

8.1 Control parameters:

VLA-ED: 1 ppm = 6,8 mg/m³

8.2 Exposure controls

No special indications.

Respiratory protection:

If dust forms, use suitable respiratory protection.

Hand protection:

Use suitable gloves

Eye/face protection:

Use safety glasses.

Individual hygiene measures:

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

Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: solid

Colour: White

Granulometry: N/A

Odour: Piquant.

pH: 1,2 ((sol. 0.1 M))

Melting point/freezing point: 57 - 58 °C

Initial boiling point and boiling range: 196 - 197 °C

Flash point:

N/A

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: 1 hPa (50 °C)

Vapour density: N/A

Relative density: (20/4) 1,63 g/ml

Solubility: 1.200 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:

N/A

9.2 Other information

No more relevant data available

10. Stability and reactivity

10.1 Reactivity

No specific data.

10.2 Chemical stability:

Hygroscopic.

10.3 Possibility of hazardous reactions

No specific data.

10.4 Conditions to avoid:

Adjacent sources of heat and temperatures over

10.5 Incompatible materials:

Strong oxidant agents. Alkaline hydroxides. Sulphoxides. Copper.

10.6 Hazardous decomposition products:

Hydrogen chloride. Carbon dioxide. Carbon monoxide. Phosgene.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

TDL0 oral rat : 3.300 mg/kg

LD50 oral rat : 5.000 mg/kg

Dangerous effects for health:

If dust inhaled: Irritations to the respiratory tracts. coughing breathing difficulties

Upon contact with the skin: burns Through contact with the eyes: burns blindness

(irreversible injury of the optic nerve) 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.

12. Environmental information

12.1 Toxicity:

- EC50 test (mg/l):

Bacteria (*Photobacterium phosphoreum*) 35 mg/l

Classification:

Extr. toxic

Algae (*Sc. quadricauda*) 200 mg/l

Classification:

Highly toxic

Algae (*M. aeruginosa*) 250 mg/l

Classification:

Highly toxic

Crustaceans (*Daphnia magna*) 2000 mg/l

Classification:

Very toxic

Fish (*P. promelas*) 1000 mg/l

Classification:

Very toxic

- Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Low

- Observations:

The ecotoxicity is due to the pH deviation.

12.2 Persistence and Degradability :

Data not available.

12.3 Bioaccumulative potential:

Data not available.

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.

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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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

14.1 UN number

UN1839

14.2 UN proper shipping name

TRICHLOROACETIC ACID

14.3 Transport hazard class(es)

8

14.4 Packing group

ADR/IMDG: II

IATA: II

14.5 Environmental hazards

PELIG.M.AMB

CONTAM. MAR

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

Not applicable

16. Other information

Other precautionary statements

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.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P261 Avoid breathing dust, fume, gas, mist, vapours or spray.

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

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

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

P391 Collect spillage.

Version and revision date : 7 07.10.2017

Date published: 07.10.2017

In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15

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.