1556 **Acetic Acid 80%**

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

1.1 Identification of the substance or preparation

Name:
Acetic Acid 80%

Synonym:

REACH Registration Number: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) Nº 1907/2006, the annual tonnage does not requiere a registration, the registration is envisaged for a later registration deadline or it is a mixture.

1.2 Use of the substance/preparation:

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)
Tel.: (+34) 937 489 499

2. Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) nº 1272/2008.

Skin Corr. 1B

Hazard Pictograms

Signal word
Danger

Hazard statements
H314 Causes severe skin burns and eye damage.

Precautionary statements
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash...thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

C Corrosive R34

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

3. Component Composition/Information

Aqueous solution

Name: Acetic Acid 80%
Formula: CH3COOH M.= 60,05 CAS [64-19-7]
EC number (EINECS): 200-580-7
EC index number: 607-002-00-6

Composition:

0001: Acetic Acid glacial

Formula: CH3COOH M.= 60,05 CAS [64-19-7]
EC number (EINECS): 200-580-7
EC index number: 607-002-00-6
REACH Registration Number: 01-2119475328-30-XXXX

Content: 80 %

Classification Regulation (CE) nº 1272/2008.

Flam. Liq. 3, Skin Corr. 1A

Hazard Pictograms

Signal word
Danger

Hazard statements
H226 Flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.

Precautionary statements
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.
P242 Use only non-sparking tools.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash...thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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).
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use for extinction.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

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

C	Corrosive	**R10**	Flammable.
		R35	Causes severe burns.

4. 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 sickness persists, seek medical assistance.

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 immediate medical assistance.

4.5 Swallowing:
Drink large amounts of water. Avoid vomiting (there is a risk of perforation). Seek immediate medical assistance. Do not neutralize.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:
Water. Carbon dioxide (CO2). Foam. Dry powder.

5.2 Fire-fighting means which must NOT be used:
No specific data.

5.3 Special risks:
Combustible. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. May form explosive mixtures with the air. In the event of fire, fumes may form: acetic acid.

5.4 Protective equipment:
Suitable clothing and footwear.

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:
Do not inhale the fumes.

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 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. Neutralize with diluted sodium hydroxide.

7. Handling and storage

7.1 Handling:
No special indications.

7.2 Storage:
Well sealed containers.In well ventilated premises.Away from sources of ignition and heat.Room temperature.

8. Staff exposure/protection controls

8.1 Technical protective measures:
No special indications.

8.2 Exposure limit control:
VLA-EC: 15 ppm - 37 mg/m3
VLA-ED: 10 ppm - 25 mg/m3

8.3 Respiratory protection:
In the event of fumes forming/aerosols, use suitable respiratory protection. Filter B. Filter P.

8.4 Hand protection:
Use suitable gloves neopren PVC nitrile latex

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.

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: Piquant.
pH: 2,5 ((10 g/l sol.))
Melting point/freezing point: N/A
Initial boiling point and boiling range:
N/A
Flash point:
N/A
Flammability (solid, gas):
N/A
Upper/lower flammability or explosive limits:
N/A
Vapour pressure: N/A
Vapour density: N/A
Relative density: (20/4) 1,07
Solubility: Miscible with water
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature:
N/A
Decomposition temperature: N/A
Viscosity: N/A

10. Stability and reactivity

10.1 Conditions which should be avoided:
High temperatures.

10.2 Matter which should be avoided:
Anhydrides. Water. Aldehydes. Alcohols. Halogen halides. Oxidant agents (amongst others: perchloric acid, perchlorates, halogenates, CrO_3, halogen oxides, nitric acid, nitrogen oxides, non-metal oxides, chromo-sulphuric acid). Metals. Alkaline hydroxides. Non-metal halides. Ethanolamine.

10.3 Hazardous decomposition products:
In case of fire, fumes of acetic acid.

10.4 Complementary information:
No specific data.

11. Toxicological information

11.1 Acute toxicity:
LD L0 oral rbt : 1.200 mg/kg
LD50 oral rat : 3.310 mg/kg
LD50 skn rbt : 1.060 mg/kg
LC50 inh mus : 5620 ppm 1h

11.2 Dangerous effects for health:
If fumes inhaled: Irritations to the respiratory tracts. Very corrosive substance. Can cause bronchopneumonia oedemas in the respiratory tract Upon contact with the skin: burns Through contact with the eyes: burns sight disorders blindness (irreversible injury of the optic nerve) Burns in the mucosae. If swallowed: Burns in the oesophagus and stomach. spasms vomiting breathing difficulties Risk of perforation in the oesophagus and stomach. Risk of aspiration upon vomiting. The following cannot be ruled out: shock cardiovascular failure acidosis kidney problems

12. Environmental information

12.1 Toxicity:
12.1.1 - EC50 test (mg/l):
Fish (Leuciscus Idus) 410 mg/l
Classification:
Highly toxic
Fish (L. Macrochirus) 75 mg/l
Classification:
Extr. toxic
Crustaceans (Daphnia magna) 47 mg/l
Classification:
Extr. toxic
Bacteria (Photobacterium phosphoreum) 11 mg/l
Classification:
Extr. toxic
12.1.2. - Receptor medium:
Risk for the water environment
High
Risk for the land environment
Medium
12.1.3. - Observations:
Highly toxic in water environments. Affects fish, micro-crustaceans and bacteria due to pH deviation.
Acute ecotoxicity in line with the dumping concentration.

12.2 Persistence and Degradability :
12.2.1 - Test:
12.2.2. - Biotic degradation classification:
BOD5 0,88 g/g
BOD5/COD
Biodegradability
12.2.3. - Abiotic degradation depending on pH:
12.2.4. - Observations:
Biodegradable product.

12.3 Bioaccumulative potential:
12.3.1. - Test:
12.3.2. - Bioaccumulation:
Risk
12.3.3. - Observations:
Non-bioaccumulable product.

12.4 Mobility in soil :
Repartition: log P(oct)= -0,31

12.5 Assessment PBT and MPMB :
Data not available.

12.6 Other possible effects on the environment:
Ecotoxic effects due to the pH variation.

13. 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.
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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. Information concerning transport

Overland (ADR):
Technical name: ACETIC ACID SOLUTION, more than 80% acid, by mass
UN 2789 Class: 8 Packaging group: II (D/E)
By sea (IMDG):
Technical name: ACETIC ACID SOLUTION, more than 80% acid, by mass
UN 2789 Class: 8 Packaging group: II
By air (ICAI-IATA):
Technical name: Acetic acid solution
UN 2789 Class: 8 Packaging group: II
Packaging instructions: CAO 855 PAX 851

15. Regulatory information

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

16. Other information

Other precautionary statements

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).
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.

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

R-phrase(s):	**R34** Causes burns.
S-phrase(s):	**S45** In case of accident or if you feel unwell, seek medical advice immediately (show the lable where possible). **S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **S23c** Do not breathe vapour.

Review number and date: 4 15.09.2011
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In respect of the previous review, changes have been made to the following sections: 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.