



### Safety Data Sheet

Product: ACETIC ACID 100 %

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Date : 22 / 08 / 1995

Version : 2

Cancels and replaces version : 1

#### 1 Product and company identification.

PRODUCT NAME: ACETIC ACID 100 %  
 SUPPLIER: Manufacturer :  
 Name: Pardies Acétiques SA (\*)  
 Address: Tour Gan - F - 92080 - PARIS LA DEFENSE CEDEX. (\*)  
 Telephone number: (33) 1 41 02 32 00. (\*)  
 Telefax number: (33) 1 41 02 32 32. (\*)  
 MANUFACTURING SITE:  
 Factory: Pardies Acétiques SA. (\*)  
 Address: B.P. 17  
 F - 64150 MOURENX  
 Telephone number: (33) 59 60 98 98. (\*)  
 Telefax number: (33) 59 60 98 00. (\*)

#### 2 Composition / information on ingredients

>> SUBSTANCE:  
 Common chemical name: Acetic acid.  
 CAS number: 64-19-7.

#### 3 Hazards identification

MOST IMPORTANT HAZARDS:  
 Adverse human health effects: Corrosive. Causes severe burns.  
 Irritating to eyes and respiratory system.  
 Physical and chemical hazards:  
 - Fire or explosion: Flammable liquid  
 May form flammable/explosive vapour-air mixtures.  
 Certain reactions may cause a fire or an explosion.  
 Classification/Specific hazards: According to EEC regulations, this product is classified as:  
 - CORROSIVE.

#### 4 First-aid measures

Inhalation: Move the affected person away from the contaminated area and into the fresh air.  
 Place the affected person in a reclining position and make him/her rest.  
 Give artificial respiration if necessary.  
 Place under medical observation.  
 Skin contact: Immediately rinse with plenty of water, (for at least 15 minutes).  
 Immediately remove contaminated clothing or footwear.  
 Be careful the product may remain trapped under clothing, footwear or a wrist-watch.  
 Eye contact: If skin burns appear, call a doctor immediately.  
 IMMEDIATELY rinse with plenty of water for a prolonged period, (at least 15 minutes) whilst keeping the eyes wide open.  
 Always refer to an eye specialist, even if there are no visible injuries.

 **CHIMINTER** כימינטר מיניו

רח' האמנות 1, את. קרית נורדאו,  
 ת.ד. 8090 נתניה דרום 42170  
 09-851444 פקס 09-851222.70





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Ingestion: Rinse mouth out with water.  
If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink.  
Call a doctor immediately.

Protection of first-aiders: Do NOT enter without appropriate protective equipment.  
- respiratory protection.  
- gloves, goggles, boots  
- protective clothing

#### 5 Fire - fighting measures

Extinguishing media:

- Suitable:

Preferably use:

Water spray

Alcohol-resistant foam.

Carbon dioxide (CO2).

- Not suitable:

None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

Specific hazards:

Flammable liquid

Vapour/air mixtures are explosive.

Release of highly irritating vapours.

Specific fire fighting methods:

Cool down the containers/equipment exposed to heat with a water spray.

Protection of fire-fighters:

Self-contained breathing apparatus

For further information refer to section 8 "Exposure controls/personal protection".

#### 6 Accidental release measures

Personal precautions:

Avoid contact with skin and eyes.

Do not breathe vapour.

NO flames, NO sparks. Eliminate all sources of ignition.

Do NOT approach FACING the wind.

Personal protective equipment:

- respiratory protective device.

- appropriate gloves.

- safety glasses.

- water-proof boots

Stop the leak. Turn leaking containers with the leak-side up to prevent the escape of liquid.

Mark out the contaminated area with signs and prevent access to unauthorised personnel.

Warn of danger

Separate all incompatible materials as quickly as possible:

- oxidizing materials.

Prevent any contact with hot surfaces.

Ventilate spillage area.



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Environmental precautions:	Contain the spilled material by damming. Do NOT discharge into drains (explosive hazard)
Methods for cleaning up:	Pump up the product into a sealable container:
- Recovery:	- properly labelled. - made of stainless steel Recover as much of the product as possible. Keep the recovered product for subsequent disposal.
- Neutralization:	Neutralize with: - lime or sodium carbonate. Dilute with water.
- Cleaning/Decontamination:	Recover the cleaning water for subsequent disposal
- Disposal:	For disposal of residues refer to section 13 "Disposal considerations".

#### 7 Handling and storage

##### HANDLING

Technical measures:

Vapour extraction at source.

Install a retention tank.

Must be earthed.

Measures:

Avoid contact with hot surfaces.

Avoid the build-up of electrostatic charge.

Smoking is forbidden.

Safe handling advice:

Follow the instructions for use.

Work OUTSIDE or in a well-ventilated room.

##### STORAGE

Technical measures:

In the unloading area, make sure that heating equipment (temperature <40 °C) available in case the pipes used for emptying the product freeze up.

Ensure that there is a suitable retention system (tanks..)

Storage tanks must be:

- earthed and equipped with an adequate safety valve.

Storage facilities should be:

equipped with ventilation along the floor and ceiling.

Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

Storage conditions:

- Recommended:

Store:

- in a well-ventilated area.

- away from any source of ignition

- away from incompatible materials.

- To be avoided:

Cannot withstand frost

Incompatible products:

Alkalis and caustic products

Strong oxidising agents



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Packaging: - Reheatable stainless steel road-tanker.  
Steel drums with an inner lining.

Packaging materials:

- Recommended:

Stainless steel

Ebonite steel.

- Steel with a formophenolic resin lining.

- Not suitable:

Ordinary steel.

#### 8 Exposure controls / personal protection

Engineering measures:

Ensure good ventilation of the work station.

Occupational exposure limits:

- Limits (France):

VLE: 25 mg/m<sup>3</sup> (10 ppm).

- Limits (U.S.A./A.C.G.I.H.):

TLV (TWA) : 25 mg/m<sup>3</sup> (10 ppm).

Surveillance procedures:

Reduce the length of exposure and the quantity used to the minimum required.

Personal protective equipment:

- Respiratory protection:

In the event of insufficient ventilation:

Filtering respiratory protective device with an ABE gas canister.

- Hand protection:

Impermeable protective gloves.

- Eye protection:

Goggles.

- Skin and body protection:

Protective clothing

Collective emergency equipments:

Safety shower.

Eye fountain.

Hygiene measures:

Do NOT eat, drink or smoke during use.

Separate normal clothes from work-clothes.

#### 9 Physical and chemical properties

APPEARANCE:

- Physical state:

Liquid above 17°C.

- Colour:

colourless

Odour:

pungent .

penetrating

pH:

4.5 (Product as is).

Specific temperatures:

- Melting:

16.6°C.

- Boiling:

118.1°C.

(Under 1013 hPa).

Critical temperature:

321.6°C.

Critical pressure:

5720 kPa.

Flammability characteristics:

- Flash point:

40°C (Closed cup, according to method NF T 60-103).

43°C (Open cup).

- Auto-ignition temperature:

427°C (Spontaneous ignition temperature).

Oxidizing properties:

Non oxidizing material according to EEC criteria



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Explosive limits in air: Applicable.  
- Lower: 5.4% (Volume).  
- Upper: 16 % (volume).  
Vapour pressure: 1.54 kPa, at 20°C.  
2.67 kPa at 29.9 °C.  
13.3 kPa, at 63°C.  
Vapour density (air = 1): 2.07.  
Specific gravity: 1.049 kg/dm<sup>3</sup>, at 20°C.  
Solubility:  
- in water: Miscible (in all proportions).  
- in organic solvents: Soluble in:  
- acetone  
- alcohol (ethanol)  
Henry's constant: 0.0000442.

#### 10 Stability and reactivity.

Stability: Stable at ambient temperature and under normal conditions of use  
Hazardous reactions:  
- Materials to avoid: - strong oxidizing agents.  
- nitric acid  
- nitrates.  
- peroxides.

#### 11 Toxicological information

Acute toxicity: LC 50 inhalation (Mouse) / 1h : 5620 ppm.  
(Published data).  
May cause delayed lung oedema.  
LD 50 skin (Rabbit) : 1060mg/kg.  
(Published data).  
LD 50 oral (Rat) : 3310 mg/kg.  
LD 50 oral (Mouse): 4960 mg/kg.  
(Published data).  
Local effects: Irritating to the respiratory system.  
Causes serious burns.  
Irritating to the eyes.  
Corrosive to the digestive tract.

#### 12 Ecological information

Behaviour in the environment:  
Mobility: Following rainfall, the product readily filters into the soil.  
Persistence/Degradability: Readily biodegradable.  
Bioaccumulation: Not bioaccumulable.



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Destination of the product: Ultimate destination of the product : WATER.  
Water : 95 %.

Ecotoxicity:  
- Effects on the aquatic environment: EC 50 (Daphnia: Daphnia magna) / 24h: 150 mg/l.  
LC 50 (Fish: Pimephales promelas) / 96h: 88 mg/l.  
(Published data).

#### 13 Disposal considerations

##### WASTE FROM RESIDUES:

Prohibition: Discharging waste into rivers and drains is forbidden.  
Destruction/Disposal: Neutralize prior to disposal (pH between 5.5 and 8.5 inclusive) and dilute with plenty of water.

##### CONTAMINATED PACKAGING:

Decontamination/cleaning: Wash with hot caustic soda solution (2 to 5% NaOH).  
Destruction/Disposal: Reuse or recycle following decontamination.  
NOTE: The user's attention is drawn to the possible existence of local regulations regarding disposal.

#### 14 Transport information

##### >>International regulations:

Land:  
- Rail/road (RID/ADR): Class: 8.  
Item number : 32°b) 2. (\*)  
Hazard identification number: 83.  
Un number: 2789  
Label: 8 + 3.

Sea (IMO/IMDG): Class: 8.  
UN Number: 2789.  
Labelling: 8 CORROSIF + LIQUIDE INFLAMMABLE.  
Packaging group: II.  
Marine pollutant: NO.  
Emergency schedule (EmS): 8-04.  
Medical First Aid Guide (MFAG). 700.

Air (ICAO-IATA): Class: 8.  
UN number: 2789.  
Labelling: 8 CORROSIVE + FLAMMABLE LIQUID. (\*)  
Un packing group: II.  
Cargo aircraft : Packing instruction: 813 Quantity : 30 L.  
Passenger aircraft: Packing instruction: 809 Quantity : 1 L.

##### >> Other regulations:

NOTE: The above classification is that which was valid on the date of publication of this sheet.  
Given the possible evolution of transport regulations for hazardous materials and



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in the event of safety data sheet in your possession dating back more than 12 months, it is advisable to check their validity with your sales office.

#### 15 Regulatory information

>>Labelling:

EEC regulations:

- Identification of the hazardous product:

- Classifications/Symbols:

- R phrases:

- S phrases:

Mandatory labelling (prescribed) of hazardous substances: applicable.

Name of the product : (refer to the name which appears in section 1).

EEC N°: Appears on the EEC hazardous substances list (Annex 1 of the modified EEC directive 67/548/EEC): 607-002-00-6.

- CORROSIVE ( C )

R 10: Flammable.

R 35: Causes severe burns.

S 1/2: Keep locked up and out of reach of children.

S 23: Do NOT breathe vapour.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

NOTE:

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet.

The user's attention is drawn to the possible existence of additional provisions which complete these regulations.

The user's attention is drawn to the possible existence of national, international and local regulations or provisions governing the product.

#### 16 Other information

Uses:

- Recommended uses:

Intermediate for the synthesis of organic chemicals.

Manufacture of pharmaceuticals.

Textile industry.

Further product information:

Chemical formula:

CH<sub>3</sub>-COOH.

Molecular mass:

60.05 g

Registration numbers:

Registered in the EINECS inventory.

EINECS N°: 200-580-7

Registered in the TSCA inventory.

Registered on the MITI list.

Registered on the AICS inventory.

Registered in the Canadian inventory (CEPA DSL).

Registered in the Korean inventory. (\*)

\* Update :

This sheet was updated (refer to the date at the top of this page).

Subheadings and text which have been modified since the previous version are



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preceded with an asterisk (\*).

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith.

The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended.

This does not in any way excuse the user from knowing all of the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations vis a vis hazardous products. This information is not exhaustive.

This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility

End of document.

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