	IDEAL WORK	Revision nr. 2
		Dated 01/07/2015
	ACIDO-ACETICO	Printed on 01/03/2009
		Page n. 1/7

Safety data sheet

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

1.1. Product identifier

Code: **ACIDO-ACETICO**
Product name: --

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: **Acetic acid 80%**

1.3. Details of the supplier of the safety data sheet

Name: IDEAL WORK SRL
Full address: Via Kennedy, 52
District and Country: 31030 Vallà di Riese Pio X (TV) Italia
Tel. +39 0423/4535
Fax +39 0423/748429
e-mail address of the person responsible, responsible for the safety data sheet: sicurezza@idealwork.it

1.4. Emergency telephone number

For information in an emergency

Poison center:
National Poisons Information Service (Birmingham Unit) City Hospital
Dudley Rd Birmingham
Telephone: +44 121 507 4123
Fax: +44 121 507 55 88
Emergency telephone: 844 892 0111

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

pictograms:
GHS05
Class codes and hazard category:
Skin Corr. 1B

Codes of hazard statements:
H314 - Causes severe skin burns and eye damage.
Corrosive product: Causes severe skin burns and eye damage.

2.2. label elements

Labeling according to Regulation (EC) No. 1272/2008:

Pictograms, warning codes:
GHS05 - Danger

Codes of hazard statements:
H314 - Causes severe skin burns and eye damage.

safety advice:


Prevention
P260 - Do not breathe dust / fume / gas / mist / vapors / spray.
P264 - Wash hands and / or eyes after use.
P280 - Wear protective gloves / protective clothing / eye protection / face protection.

Reaction

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. DO NOT induce vomiting.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. Disposal
P501 - Dispose of contents / container in accordance with local regulations.

It contains:
acetic acid in solution at 80%



	IDEAL WORK	Revision nr. 2
		Dated 01/07/2015
	ACIDO-ACETICO	Printed on 01/03/2009
		Page n. 2/7

2.3. other hazards

The substance / mixture NOT contain pursuant to Regulation PBT / vPvB (EC) No. 1907/2006, Annex XIII

The use of this chemical entails the obligation of "Risk Assessment" by the employer in accordance with the provisions of the Decree. 9 April 2008. 81. Workers exposed to this chemical agent must not undergo health checks if the results of the risk assessment shows that, in relation to the type and amount of chemical agent and the mode and frequency of exposure to that agent, there is only a "moderate risk" to the health and safety of workers and the measures provided for in the same Decree. They are sufficient to reduce the risk.

SECTION 3. Composition/information on ingredients.

3.1 Substances

Refer to section 16 for the full text of the H statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
acetic acid	>50<= 80%	Skin Corr. 1A, H314;Flam.Liq.3. H226;	607-002-00-6	64-19-7	200-580-7	01-2119475 328-30-XXX X

3.2 Mixtures

irrelevant

SECTION 4. First aid measures.

4.1. Description of first aid measures

Inhalation:

Ventilate the area. Immediately remove the patient from the contaminated premises to rest in a well ventilated area. If you feel unwell seek medical advice.

direct contact with the skin (of the pure product):

Immediately take off contaminated clothing.

After contact with skin, wash immediately and thoroughly with running water. Get medical attention immediately.

Direct contact with the eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10-15 minutes; then protect eyes with dry sterile gauze. Seek immediate medical attention. Do not use eye drops or ointments of any kind before obtaining an examination or advice from an ophthalmologist.

Ingestion:

Absolutely not induce vomiting, undergo medical check and show the security card. Never give anything by mouth if the victim is unconscious. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

If ingested, severe burns of the mouth and throat, as well as a danger of perforation of esophagus and stomach.

4.3. Indication of any immediate medical attention and special treatment

Immediately call a POISON CENTER or physician.

SECTION 5. Firefighting measures.

5.1 . Extinguishing

CO2 , powder or water spray . Fight larger fires with water spray or alcohol resistant foam .

5.2 . Special hazards arising from the substance or mixture

Possible formation of carbon oxides .

5.3 . Advice for firefighters

Do not breathe fumes from the fire. It may be necessary the use of appropriate respiratory protection.

SECTION 6. Accidental release measures.


6.1. Personal precautions, protective equipment and procedures in case of emergency

6.1.1 For non-emergency personnel:

Move away from the area surrounding the spill or release. Not smoking. Use a mask, gloves and protective clothing.

6.1.2 For emergency responders:

Use a mask, gloves and protective clothing.

	IDEAL WORK	Revision nr. 2
		Dated 01/07/2015
	ACIDO-ACETICO	Printed on 01/03/2009
		Page n. 3/7

Eliminate all unguarded flames and possible sources of ignition. Not smoking.
Provide adequate ventilation.
Evacuate the danger area and, if necessary, consult an expert.

6.2. environmental precautions

Limit leakages with earth or sand.
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.
Dispose of waste in compliance with current regulations.

6.3. Methods and materials for containment and cleaning

6.3.1 For containment
Quickly collect the product wearing mask and protective clothing.
Recover the product for re-use if possible, or for elimination. Appropriate, be absorbed by inert material. (Eg, sand, earth, vermiculite, diatomaceous earth). Stop it from entering the sewer system.

6.3.2 To clean

After collection, wash the area with water and materials involved recovering the water used and eventually send for disposal to authorized facilities.

6.3.3 Other information:

Store the contaminated material in approved containers with the waste disposal.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage.

7.1 . Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice .
Avoid contact and inhalation of vapors .
In living areas do not use on large surfaces .
At work do not eat, drink or smoke . See also paragraph 8 .

7.2 . Conditions for safe storage, including any incompatibilities

Keep in the original container tightly closed . Do not store in open or unlabeled containers .
Keep the containers upright and secure avoiding the possibility of falls or collisions .
Store in a cool place , away from any heat source and dall'esposizione direct sunlight.
Keep away from substances with which it can react. See par . 10. Store separately from foodstuffs. 7.3 Specific end use
Professional uses :
Exclusively for professional use .

SECTION 8. Exposure controls/personal protection.

Acetic acid 80%:

ACETIC ACID ; Nr. CAS: 64-19-7

DNEL (EC) -Parameter: locali_Breve termine_Inalazione_Lavoratori effects Value: 25 mg / m3

DNEL (EC) -Parameter: locali_Lungo termine_Inalazione_Lavoratori effects Value: 25 mg / m3

DNEL (EC) -Parameter: locali_Breve termine_Inalazione_Popolazione effects Value: 25 mg / m3

DNEL (EC) -Parameter: Effects locali_Lungo termine_Inalazione_Popolazione

Value: 25 mg / m3

PNEC STP (EC)

Value: 85 mg / l

PNEC (EC) -Parameter: Sediment (seawater)

Value: 1,136 mg / kg

PNEC (EC) -Parameter: Soil

Value: 0.47 mg / kg

PNEC (EC) -Parameter: Fresh water

Value: 3,058 mg / l

PNEC (EC) -Parameter: Aquamarine

Value: 0.3058 mg / l

PNEC (EC) -Parameter: Issue desultory


Value: 30,58 mg / l

PNEC (EC) -Parameter: Sediment (freshwater)

Value: 11,36 mg / kg

TWA (EC)

Value: 10 ppm / 25 mg / m3

	IDEAL WORK	Revision nr. 2
		Dated 01/07/2015
	ACIDO-ACETICO	Printed on 01/03/2009
		Page n. 4/7

8.2. exposure controls

Appropriate engineering controls:

Professional uses:

Contacting specialized technicians.

Personal protection measures:

a) Protection for eyes / face

When handling the pure product wear safety goggles (splash goggles) (EN 166).

b) Skin protection

i) Hand protection

When handling the pure product use protective gloves resistant to chemicals (EN 374-1 / EN374-2 / EN374-3)

ii) Other

When handling the pure product wear full protection to the skin.

c) Respiratory protection

Use filter type A (against vapors of organic substances) according to EN 141.

d) Thermal hazards

No danger to report

Environmental exposure controls:

Personal protective equipment: Provide eyewash.

General protective and hygienic measures: At work do not eat, drink or smoke.

Respiratory protection: Use filter type A (against vapors of organic substances) according to EN 141.

Hand protection: Wear rubber gloves that are approved according to EN374 standard.

Eye protection: Safety glasses with side shields (EN 166).

Body protection: protective clothing to be used must comply with standard EN 13034, according to which clothing provides limited protection (8 hours) from splashes.

Additional information about design of technical facilities:


The workplace must be adequately ventilated. Where possible, install suction sources localized and effective replacement air systems generally.

If these measures are not sufficient to maintain concentrations of particulates and solvent vapors below the exposure limit, you will need to make use of appropriate respiratory protective equipment.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Test method
Appearance	colorless liquid	
Odour	characteristic	
Odor Threshold	no data available	
pH	ca. 2,5	
Melting point / freezing point	no data available	
Initial boiling point and boiling range	no data available	
Flash point	>75°C	
Evaporation rate	no data available	
Flammability (solid, gas)	no data available	
Upper / lower flammability or explosivity	no data available	
Vapor pressure	no data available	
Vapor Density	2.07	((air = 1))

	IDEAL WORK	Revision nr. 2
		Dated 01/07/2015
	ACIDO-ACETICO	Printed on 01/03/2009
		Page n. 5/7

Relative density	ca 1,15 g/cm3 at 20°C	
Solubility	Miscible with many organic solvents	
Water solubility	Miscible	
Partition coefficient: n-octanol / water	Log Pow: -0,17 at 20 ° C	
Auto-ignition temperature	no data available	
Decomposition temperature	no data available	
Viscosity	no data available	
Explosive properties	no data available	
oxidising properties	no data available	

9.2. Further information

No data available.

SECTION 10. Stability and reactivity.

10.1 . Reactivity

The product is corrosive , it can give rise to dangerous reactions .

10.2 . chemical stability

No dangerous reaction if used as directed.

10.3 . Possibility of hazardous reactions

There are no dangerous reactions .

10.4 . Conditions to avoid

Keep away from open flames , sparks and other ignition sources .

10.5 . incompatible materials

Bases, strong oxidizing agents , chromic acid , nitric acid , peroxide , sodium carbonates , hydroxides , phosphates , corrosive to some metals .

10.6 . Hazardous decomposition products

Possible formation of carbon oxides .

SECTION 11. Toxicological information.

11.1. Information on toxicological effects

(A) acute toxicity: not applicable

(B) corrosion / irritation: Corrosive product: Causes severe skin burns and eye damage.

Skin irritation (OECD 404): Corrosive (Determined rat)

(C) serious eye irritation / injuries: Corrosive product: Causes severe skin burns and eye damage.

eye irritation (OECD 405): Corrosive (Determined on rabbit eyes)

(D) sensitization of the respiratory tract or skin: No irritant effect.

(E) germ cell mutagenicity: not applicable

(F) carcinogenicity: not applicable

(G) reproductive toxicity: not applicable

(H) specific target organ toxicity (STOT) single exposure : Acetic acid is a moderate risk to health by prolonged exposure oral , inhalation or skin can cause irritation at the site of contact and a low risk to health given by the absence of significant effects on target organs through any route of exposure .

(I) a specific target organ toxicity (STOT) repeated exposure: Repeated inhalation exposure studies in animals show that acetic acid does not cause systemic toxicity , but can cause reversible histopathological changes in the respiratory tract typically associated with irritants at the contact sites . (J)


aspiration hazard : not applicable

Relating to single components:

Acetic acid 80%:

LC50 (acetic acid; Nr. CAS: 64-19-7)

Routes of entry: Inhalation

	IDEAL WORK	Revision nr. 2
		Dated 01/07/2015
	ACIDO-ACETICO	Printed on 01/03/2009
		Page n. 6/7

Test species: Rat
Value:> 16000 ppm-order. Test: 4 h
LD50 (acetic acid; Nr. CAS: 64-19-7)
Route of administration: Orally
Test species: Rat
Value: = 3530 mg / kg
LD50 (acetic acid; Nr. CAS: 64-19-7)
Route of administration: Orally
Test species: Rat
Value: = 4960 mg / kg

SECTION 12. Ecological information.

12.1. Toxicity

Relating to single components:
Acetic acid 80%:
LC50 (acetic acid; Nr. CAS: 64-19-7)
Parameter: Fish-Oncorhynchus mykiss
Value> 300.82 mg / l-To. test: 96 h
EC50 (acetic acid; Nr. CAS: 64-19-7)
Parameter: Daphnia-Daphnia magna
Value> 300.82 mg / l-To. test: 48 h
EC50 (acetic acid; Nr. CAS: 64-19-7)
Parameter: Alga-Skeletonema costatum
Value> 300.82 mg / l-To. test: 72 h

Adopt good working practices, avoiding release of the product in the environment.

12.2. Persistence and degradability

BOD20
Value = 96%
BOD / 5
Value = 76%
Readily biodegradable.

12.3. Potential for bioaccumulation

It does not bioaccumulate.

12.4. Mobility in soil

The product is soluble in water and penetrates the soil.

12.5. Results of PBT and vPvB

The substance / mixture NOT contain pursuant to Regulation PBT / vPvB (EC) No. 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects are found

SECTION 13. Disposal considerations.

13.1 . Waste treatment methods

Do not reuse empty containers . Dispose of in compliance with current regulations . Any remaining product should be disposed of according to current regulations addressing to authorized companies.

Recover if possible . Send to authorized disposal plants or for incineration under controlled conditions . Operate according to local and national regulations.

SECTION 14. Transport information.

14.1. UN number 2790

Any ADR exemption if it met the following characteristics:

Combination packagings: Inner packing 1 L neck 30 Kg

Inner packaging placed in trays with shrink or extensible film: internal packing 1 L neck 20 Kg

14.2. proper shipping name ACETIC ACID SOLUTION


14.3. of Transport hazard classes

Class: 8

Label: 8

of Tunnel restriction code: E

Limited quantity: 1 L

	IDEAL WORK	Revision nr. 2
		Dated 01/07/2015
	ACIDO-ACETICO	Printed on 01/03/2009
		Page n. 7/7

Ems: F-A, S-B

14.4. Packing group II

14.5. Environmental hazards

Not dangerous for the environment
Sea contaminant: No

14.6. Special precautions for user

The goods must be transported by vehicles authorized to the carriage of dangerous goods according to the current provisions of the 'Agreement A.D.R. and the national provisions applicable.

The goods must be in original packaging and in any case, in packagings made of materials resistant to their content and not likely to generate dangerous reactions. People loading and the unloading of dangerous goods must be trained on the risks from these substances and on all actions that must be taken in case of emergency situations.

Packaging: 10 LT BUCKET - APPROVAL 3H1/Y/1.9/190/F/BVT 292517 – 230X190mm – Weight 0,450KG

SECTION 15. Regulatory information.

15.1. laws and regulations on health, safety and specific for the substance or mixture

Statement references:

Legislative Decree. 02/03/1997 n. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree 14/03/2003 n. 65 (Classification, packaging and labeling of dangerous substances). Legislative Decree. 02/02/2002 n. 25 (Risks related to chemical agents at work). D.M. 26/02/2004 work (occupational exposure limits); D.M. 03/04/2007 (Implementation of Directive no. 2006/8 / EC). Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (CLP), Regulation (EC) 790 / 2009.D.Lgs. September 21, 2005 n. 238 (Seveso Directive Ter), Regulation (EU) 2015/830.

Sanitary checks:

Workers exposed to this chemical agent to health must undergo health checks according to the provisions of Article. 41 of Legislative Decree no. 81 of April 9, 2008 unless the risk for the safety and health of the worker has been assessed irrelevant, according to art. 224 paragraph 2.

15.2. Chemical Safety Assessment

The provider did not carry out a chemical safety assessment

SECTION 16. Other information.

16.1. Further information

Modified points from the previous revision: 1.1. Product identifier 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.4. Emergency telephone number 2.1. Classification of the substance or mixture 2.2. Label elements, 2.3. Other hazards, 4.1. Description of first aid measures 4.2. Most important symptoms and effects, both acute and delayed 4.3. Indication of any immediate medical attention and special treatment, 5.1. Extinguishing, 5.3. Advice for firefighters, 6.3. Methods and materials for containment and cleaning up, 7.1. Precautions for safe handling 7.3 Specific end use, 8.1. Control parameters, 8.2. exposure controls, 10.1. Reactivity, 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous decomposition products 11.1. Information on toxicological effects 12.1. Toxicity, 12.2. Persistence and degradability 12.3. Bioaccumulation potential, 12.4. Mobility in soil 15.1. laws and regulations on health, safety and specific for the substance or mixture

Description of the H statements set out in paragraph 3 H314 = Causes severe skin burns and eye damage. H226 = Flammable liquid and vapor.

Principal legal references:

Directive 67/548 29 ° adaptation

Directive 2001/60 / EC

Issued on 01/03/2009 - Rev. n. 2 of 01.07.2015 # 13/13

Conforms to Regulation (EU) 2015/830

Regulation 2008/1272 / EC

Regulation (EU) 2015/830

Other regulations: see point 15.1 of the safety data sheet.

*** This sheet supersedes any previous edition.***

The existing working conditions at the 'user but escape to our knowledge or control.

L 'user is responsible for the observation of all required statutory provisions.

The data are based on our present knowledge, shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.