



IDEAL WORK

Revision nr. 2

Dated 20.04.2015

Printed on February 6, 2019

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SCHIARENTE

Safety Data Sheet

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

1.1. Product identifier

Code: SCHIARENTE
Product name

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

Intended use Acid Stain rinse

1.3 Details of the supplier of the safety data sheet

Company name IDEAL WORK SRL
Address Via Kennedy, 52
Place and country 31030 Vallà di Riese Pio X (TV)
Italy
tel. +39 0423 /4535
fax +39 0423 /748429

e-mail address for a competent person,
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. Substance or mixture classification

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

Pictograms:
GHS05, GHS07

Class and hazard class codes:
STOT SE 3, Met. Corr. 1, Skin Corr. 1A

Hazard indication codes:
H336 - May cause drowsiness or dizziness.
H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.



2.2. Elements of the label

Labeling in accordance with regulation (EC) no. 1272/2008:

Pictograms, warning codes:
GHS05, GHS07 - Danger

Hazard indication codes:
H336 - May cause drowsiness or dizziness.
H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.

Precautionary statements:

Prevention

P234 - Keep only in the original container.
P260 - Do not breathe vapors and aerosols.
P264 - Wash hands and / or eyes thoroughly after use.
P280 - Wear protective gloves / protective clothing / eye protection / face protection. Reaction
P303 + P361 + P353 - IN CASE OF CONTACT WITH SKIN (or hair): Immediately remove all contaminated clothing. Rinse the skin / take a shower.

P304 + P340 - IN CASE OF INHALATION: move the injured person into the open air and keep him at rest in a position that favors breathing.

P305 + P351 + P338 - IN CASE OF CONTACT WITH EYES: Rinse thoroughly for several minutes.

Remove any contact lenses if it is easy to do. Continue to rinse.



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

P390 - Absorb spillage to prevent material damage.

storage

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

P501 - Dispose of the product / container in accordance with local regulations.

It Contains:

hydrogen chloride solution 30%

2.3. Other dangers

The substance / mixture does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, Annex XIII

The use of this chemical involves the obligation of the "Risk Assessment" by the employer according to the provisions of Legislative Decree no. 9 April 2008 n. 81. Workers exposed to this chemical should not be subjected to health surveillance if the results of the risk assessment show that, depending on the type and amount of the chemical agent and the mode and frequency of exposure to this agent, there is only a "moderate risk" for the health and safety of workers and that the measures provided for in the Legislative Decree itself. they are sufficient to reduce the risk.

SECTION 3. Composition/information on ingredients.

3.1 Substances

Not applicable

3.2 Mixtures

Refer to item 16 for the full text of the risk phrases and hazard statements

Sostanza	Concentrazione	Classificazione	Index	CAS	EINECS	REACH
hydrogen chloride solution 30%	> 10 <= 20%	Met. Corr. 1, H290; Skin Corr. 1B, H314; STOT SE 3, H335	017-002-01-X	7647-01-0	231-595-7	01-2119484 862-27-XXX X
phosphoric acid solution 75%	> 5 <= 10%	Met. Corr. 1, H290; Skin Corr. 1B, H314	015-011-00-6	7664-38-2	231-633-2	01-2119485 924-24-XXX X
Citric acid	> 1 <= 5%	Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335		77-92-9	201-069-1	

SECTION 4. First aid measures.

4.1. Description of first aid measures

Inhalation:

Ventilate the environment. Immediately remove the patient from the contaminated environment and keep it at rest in a well-ventilated area. CALL A DOCTOR.

If breathing has stopped, subject to artificial respiration.

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

Remove contaminated clothing immediately.

In case of contact with skin, wash immediately and abundantly with water. Consult a doctor immediately.

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

Wash immediately and abundantly with running water, with open eyelids, for at least 10 minutes; therefore protect the eyes with dry sterile gauze. Immediately call for a medical examination. Do not use eye drops or ointments of any kind before the consultation or advice of the eye doctor.

Ingestion:

Do not induce vomiting or emesis. Immediately call for a medical examination.

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

No data available.

4.3. Indication of any need to immediately consult a doctor and special treatments

Contact a POISON CENTER or doctor if you feel unwell.

SECTION 5. Firefighting measures.

5.1. Fire fighting

Recommended extinguishing means:

Water spray, CO2, foam, chemical powders depending on the materials involved in the fire.



Extinguishing media to be avoided:

Water jets. Use water jets only to cool the surfaces of containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Recommendations for firefighters

Use respiratory protection.

Safety helmet and complete protective clothing.

Water spray can be used to protect people involved in extinction

It is also advisable to use self-contained breathing apparatus, especially if you work in closed and poorly ventilated areas and in any case if halogenated extinguishing agents are used (fluobrene, solkane 123, naf etc.).

Cool the containers with jets of water

SECTION 6. Accidental release measures.

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

6.1.1 For those who do not act directly:

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

6.1.2 For those who intervene directly:

Wear mask, gloves and protective clothing.

Eliminate all open flames and possible sources of ignition. Not smoking.

Set up adequate ventilation.

Evacuate the danger area and, if necessary, consult an expert.

6.2. Environmental precautions

Contain leaks with earth or sand.

If the product has escaped into a water course, into the sewage system or has contaminated the soil or vegetation, notify the competent authorities.

Dispose of the residue in compliance with current regulations.

6.3. Methods and materials for containment and remediation

6.3.1 For containment

Collect the product quickly by wearing a mask and protective garment.

Collect the product for re-use, if possible, or for disposal. If necessary, absorb it with inert material. Prevent it from entering the drainage system.

6.3.2 For cleaning

After collection, wash the affected area and materials with water.

6.3.3 Other information: None in particular.

6.4. Reference to other sections

Refer to points 8 and 13 for more information

SECTION 7. Handling and storage.

7.1. Precautions for Safe Handling

Avoid contact and inhalation of the vapors.

In residential areas do not use on large surfaces.

At work do not eat or drink.

See also the next 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 in a vertical and safe position avoiding the possibility of falls or bumps.

Always keep the containers tightly closed.

Always store in well-ventilated areas.

Never close the container hermetically, always leave a possibility of venting.

Do not transfer the product to other containers. Always use the original container.

Store in a cool place, away from any heat source and direct exposure to sunlight.

7.3. Specific end use

Professional uses: No data.

SECTION 8. Exposure control



SECTION 8. Exposure controls/personal protection.

8.1. Control parameters

Related to the contained substances: hydrogen chloride 30% solution:

DNEL (EC). Parameter: Local effects_Short term_Insection_Workers

Value: 15 mg / m³ / 10 ppm

DNEL (EC). Parameter: Local effects_Lungo term_Insation_Workers

Value: 8 mg / m³ / 5 ppm

PNEC (EC) Parameter: Fresh water

Value: 36 Lg / l

PNEC (EC) Parameter: Sea water

Value: 36 Lg / l

PNEC (EC) Parameter: Occasional emission

Value: 45 Lg / l

PNEC (EC) Parameter: Purification plant

Value: 36 Lg / l

STEL (EC)

Value: 10 ppm / 15 mg / m³

TWA (EC)

Value: 5 ppm / 8 mg / m³

phosphoric acid solution 75%:

PHOSPHORIC ACID ; CAS No.: 7664-38-2

DNEL (EC) Parameter: Local effects_Lungo term_Insation_Lavorers Value: 1 mg / m³

DNEL (EC) Parameter: Local effects_Lungo term_Insation_Population Value: 0.73 mg / m³

DNEL (EC) Parameter: Systemic effects_Short term_Insection_Workers Value: 2 mg / m³

8.2. Exposure controls

Suitable technical checks:

Professional uses:

Contact specialized technicians.

Individual protection measures:

a) Eye / face protection

When handling the pure product, use safety goggles (cage glasses) (EN 166).

b) Skin protection

i) Hand protection Use those in butyl rubber.

ii) Other

When handling the pure product, wear protective clothing for the skin.

c) Respiratory protection

Use adequate respiratory protection (EN 141)

d) Thermal hazards

No danger to report

Environmental exposure controls:

Related to the contained substances: hydrogen chloride 30% solution:

Personal protective equipment Provide eye wash.

General protective and occupational hygiene rules

At the workplace do not eat, do not drink, do not smoke.

Breathing protection

In case of aerosol or fog formation, use a mask with filter B2.

Hand protection

Wear butyl rubber gloves.

Eye protection

Protective goggles with side shields (EN 166).

Body protection

Personnel must wear protective clothing and all parts of the body should be washed after contact. Care must be taken when selecting protective clothing to prevent inflammation and irritation of the skin on the neck and wrists due to contact with dust.

Further information on the structure of technical systems

Work environments must be adequately ventilated.

Where possible, install localized suction sources and effective general air exchange systems. If these measures are not sufficient to maintain the concentrations of particulate materials and solvent vapors below the exposure limit, appropriate means of respiratory protection will be required.

phosphoric acid solution 75%:

Personal protective equipment Provide eye wash.

General protective and occupational hygiene rules

At the workplace do not eat, do not drink, do not smoke.

Breathing protection



Use a protective mask with an ABEK-P2 filter.

Hand protection

Nitrile or neoprene rubber gloves.

Eye protection

Protective goggles with side shields (EN 166).

Body protection

Personnel must wear protective clothing and all parts of the body should be washed after contact. Care must be taken when selecting protective clothing to prevent inflammation and irritation of the skin on the neck and wrists due to contact with dust. Further information on the structure of technical systems

Work environments must be adequately ventilated. Where possible, install localized suction sources and effective general air exchange systems. If these measures are not sufficient to maintain the concentrations of particulate materials and solvent vapors below the exposure limit, appropriate means will need to be used.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Method of determination
Appearance	Clear liquid	
Odor	Pungent	
Olfactory threshold	no data available	
pH	< 1	
Melting point / freezing point	0°C	
Initial boiling point and boiling range	100 °C	
Flash point	Non flammable	
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Upper / lower flammability or explosive limits	No data available	
Vapor pressure	No data available	
Vapor density	No data available	
Relative density	1,1	
Solubility	In water	
Solubility	Full	
Partition coefficient: n-octanol / water	No data available	
Self-ignition temperature	No data available	
Decomposition temperature	No data available	
Viscosity	No data available	
Explosive properties	Not explosive	
Oxidizing properties	No data available	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity.

10.1. Reactivity

Related to the contained substances: hydrogen chloride 30% solution:
The HCl solution in water is a strong acid, reacts violently with the bases and is corrosive.

phosphoric acid solution 75%:

It can give violent reaction with alkalis. In contact with water an exothermic reaction can occur. Contact with reactive metals (mild steel, aluminum, etc.) can develop hydrogen (explosive) .Reaction with reducing agents.

10.2. Chemical stability

No dangerous reaction if manipulated and stored according to the regulations.

10.3. Possibility of dangerous reactions

There are no dangerous reactions

10.4. Conditions to avoid

None to report



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10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No decomposition if used for the intended uses.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects

(a) acute toxicity: not applicable

(b) skin corrosion / irritation: Corrosive product: causes severe skin burns and serious eye damage. hydrogen chloride solution 30%: Skin irritation (OECD 404): corrosive (Determined on rat) phosphoric acid solution 75%: Strongly corrosive on the skin and mucous membranes.

Citric acid: In contact with skin, there is irritation with erythema, edema, dryness and chapping.

(c) serious eye damage / irritation: Corrosive product: causes severe skin burns and eye damage.

Citric acid: The product causes serious eye damage and can cause cornea opacity, iris lesion, irreversible staining of the eye.

hydrogen chloride solution 30%: Eye irritation (OECD 405): corrosive (determined on rabbit eyes) phosphoric acid solution 75%: Strongly corrosive.

(d) sensitization of the respiratory tract or skin: not applicable

(e) germ cell mutagenicity: 30% hydrogen chloride solution: Laboratory studies have shown mutagenic effects.

(f) carcinogenicity: not applicable

(g) reproductive toxicity: not applicable

(h) specific target organ toxicity (STOT) single exposure: Warning: inhalation of vapors may cause drowsiness and dizziness

(i) specific target organ toxicity (STOT) repeated exposure: not applicable

(j) aspiration hazard: Citric acid: Inhalation of vapors causes irritation of the lower and upper respiratory tract with coughing and difficulty in breathing.

Related to the contained substances: hydrogen chloride 30% solution:

LC50 (HYDROGEN CHLORIDE; CAS No.: 7647-01-0)

Inhalation-Species for the test: Rat

Value: = 45.6 mg / l

For. of the test: 5 min

phosphoric acid solution 75%:

LD50 (PHOSPHORIC ACID, CAS No.: 7664-38-2)

Orally-Test species: Rat value: approx. 2600 mg / kg bw / day

LD50 (PHOSPHORIC ACID, CAS No.: 7664-38-2)

Dermal-Species for the test: Rabbit

Value: 2740 mg / kg bw / day

Citric acid:

CITRIC ACID

LD50 (Oral): 3000 mg / kg Rat

SECTION 12. Ecological information.

12.1. Toxicity

Related to the contained substances: hydrogen chloride 30% solution:

EC50 (HYDROGEN CHLORIDE; CAS No.: 7647-01-0)

Parameter: Daphnia -Daphnia magna

Value <56 mg / l

For. of the test: 72 h

LC50 (HYDROGEN CHLORIDE; CAS No.: 7647-01-0)

Parameter: Fish

Value = 282 mg / l

For. of the test: 96 h

phosphoric acid solution 75%:

EC50 (PHOSPHORIC ACID, CAS No.: 7664-38-2)

Parameter: Alga-Desmodesmus subspicatus

Value > 100 mg / l

For. of the test: 72 h

EC50 (PHOSPHORIC ACID, CAS No.: 7664-38-2)

Parameter: Daphnia-Daphnia magna

> 100 mg / l

For. of the test: 48 h

LC50 (PHOSPHORIC ACID, CAS No.: 7664-38-2)

Parameter: Fish-Oryzias latipes

75.1 mg / l

For. of the test: 96 h

Citric acid:

Toxicity to fish: LC50 96 / H goldfish: 440-760 mg / l

Toxicity to bacteria: > 10,000 mg / l

COD: 750 mg / O₂ / g



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Use according to good working practices, avoiding to disperse the product in the environment.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in the soil

Related to the contained substances: hydrogen chloride 30% solution:
The product is very volatile.

phosphoric acid solution 75%:

This substance is highly soluble and dissociates in water.

12.5. Results of the PBT and vPvB assessment

The substance / mixture does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects found

SECTION 13. Disposal considerations.

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in compliance with current regulations. Any residual product must be disposed of according to current regulations by contacting authorized companies.

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

SECTION 14. Transport information.

14.1. UN number: 3264

Possible ADR exemption if the following characteristics are met:

Combination packagings: inner packaging 5 L neck 30 Kg

Internal packaging arranged in trays with shrink film or stretch: inner packaging 5 L neck 20 Kg

14.2. UN shipping name

INORGANIC LIQUID CORROSIVE, ACID, N.A.S. (hydrogen chloride solution 30%)

14.3. Danger classes related to transport

Class: 8

Label: 8

Tunnel restriction code: E

Limited quantities: 5 L

EmS: F-A, S-B

14.4. Packing group: III

14.5. Dangers for the environment

Product not dangerous for the environment

Marine contaminant: No

14.6. Special precautions for users

Transport must be carried out by vehicles authorized to transport dangerous goods according to the provisions of the current edition of the A.D.R. and the applicable national provisions.

The transport must be carried out in the original packagings and, in any case, in packagings that are made of materials that can not be attacked by the contents and are not likely to generate dangerous reactions with this. Attendants to the loading and unloading of dangerous goods must have received appropriate training on the risks presented by the preparation and on any procedures to be adopted in case of emergency situations.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

It is not expected to transport bulk cargoes

TANK HOMOLOGATION = 3H1 / Y1.9 / 190/17

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations and legislation specific to the substance or mixture

Normative References:

D.Lgs. 3/2/1997 n. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree 14/3/2003 n. 65 (Classification, packaging and labeling of dangerous preparations). Legislative Decree 2/2/2002 n. 25 (Risks deriving from chemical agents at work). D. M. Job 02/26/2004 (Occupational Exposure Limits); D. M. 03/04/2007 (Implementation of Directive No. 2006/8 / EC). Regulation (EC) n. 1907/2006 (REACH), Regulation (CE) n. 1272/2008 (CLP); Regulation (EC) n.790 / 2009.D.Lgs. September 21st 2005 n. 238 (Seveso Ter Directive).



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Sanitary checks:

Workers exposed to this chemical agent dangerous to health must be subjected to health surveillance carried out according to the provisions of art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk for the safety and health of the worker has been assessed as irrelevant, according to the provisions of art. 224 paragraph 2.

15.2. Evaluation of chemical safety

The supplier has not carried out a chemical safety assessment

SECTION 16. Other information.

16.1. Other information

Points modified with respect to the previous revision: 1.2. Relevant identified uses of the substance or mixture and uses advised against, 2.1. Classification of the substance or mixture, 2.2. Elements of the label, 2.3. Other hazards, 4.1. Description of first aid measures, 4.3. Indication of any immediate medical attention and special treatment needed 6.1. Personal precautions, protective equipment and procedures in case of emergency, 7.1. Precautions for safe handling, 7.2. Conditions for safe storage, including any incompatibilities, 7.3. Specific end use (s), 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 10.4. Conditions to avoid, 10.5. Incompatible materials, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.3. Bioaccumulative potential, 12.4. Mobility in the soil, 14.1. UN number, 14.2. UN Dispatch Name, 15.1. Safety, health and environmental regulations and legislation specific to the substance or mixture

Description of hazard statements exposed to point 3 H290 = May be corrosive to metals.

H314 = Causes severe skin burns and eye damage.

H335 = May cause respiratory irritation.

H315 = Causes skin irritation

H318 = Causes serious eye damage

Classification based on data from all components of the mixture

Main regulatory references:

Directive 67/548 29th Adaptation

Directive 1999/45 / EC

Directive 2001/60 / EC

Regulation 2008/1272 / EC

Regulation 2010/453 / EC

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

The working conditions existing at the user, however, are subtracted from our knowledge and our control.

The user is responsible for the observation of all the necessary provisions of the law.

The data are shown on the basis of our current knowledge, but do not represent any guarantee of the characteristics of the product and do not justify any contractual legal relationship.