

Safety data sheet

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

1.1. Product identifier

Code: **GEL10**
Product name: **CORRECTION FOR CONCRETE FLOOR**

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

Intended use

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. **0039 423 /4535**
fax **0423 /748429**
sicurezza@idealwork.it

e-mail address for a competent person,
responsible for the safety data sheet

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.

The product is classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments). The product thus requires a safety data sheet according to Regulation (EC) No. 1907/2006, as amended.

Further information on the risks to health and / or environmental hazards can be found in sections. 11 and 12 of this sheet.

Classification and hazard statements:

Eye irritation, category 2 H319 Causes serious eye irritation.
Skin irritation, category 2 H315 Causes skin irritation.
specific target organ toxicity - single exposure, category 3 H335 May cause respiratory irritation.

2.2. Label elements

Danger labeling under Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

Hazard pictograms:



Warnings: Warning

Hazard statements:

H319 Causes serious eye damage
H315 Causes skin irritation.
H335 May cause respiratory irritation

safety advice:

P264 Wash ... thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell
P403 + P233 Store in a well-ventilated place. Keep container tightly closed

It contains: Hydrochloric acid

Ingredients according to Regulation (EC) Nr. 648/2004

Less than 5% amphoteric surfactants

2.3. other hazards

Based on available data, the product does not contain any PBT or vPvB substances as a percentage greater than 0.1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances .

Non relevant information .

3.2 . Mixtures .

It contains :

The full text of hazard (H) phrases is given in section 16 .

Identification.	%	Classification 1272/2008 (CLP).
HYDROCHLORIC ACID		
CAS. 7647-01-0	5 – 15	Met. Corr. 1 H290, Skin Corr. 1B H314, STOT SE 3 H335, Note B
CE. 231-595-7		
INDEX. 017-002-01-X		
IDROSSIETILBETAINA		
CAS. 70750-46-8	< 5	Eye Irrit. 2 H319, Skin Irrit. 2 H315
CE. -		
INDEX. -		

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses. Wash immediately with plenty of water for at least 30/60 minutes, opening her eyelids. Call a doctor immediately.

SKIN: Take off contaminated clothing. Taking a shower immediately. Call a doctor immediately.

Ingestion: Give to drink water as much as possible. Call a doctor immediately. Do not induce vomiting unless expressly authorized by the physician.

Inhalation: Call a physician immediately. Bring to fresh air, away from the accident site. If breathing has stopped, administer artificial respiration. Take adequate precautions for the rescuer.

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

There are no known specific information on symptoms and effects caused by the product.

For symptoms and effects caused by the contained substances see chap. 11.

4.3. Indication of any immediate medical attention and special treatment

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.

EXTINGUISHING MEDIA NOT SUITABLE

No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN CASE OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighting employees

GENERAL INFORMATIONS

Cool down with water jets the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

EQUIPMENT

normal clothing to fight the fire, such as a compressed air breathing apparatus open circuit (EN 137), complete with flame retardant (EN469), flame-resistant gloves (EN 659) and boots for the fire brigade (HO A29 or A30).

SECTION 6. Accidental release measures.

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

Stop leak if safe to do so.

Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These directions are valid both for the workers to work which for emergency interventions.

6.2. Environmental precautions

Prevent product from entering into drains, surface water, ground water.

6.3. Methods and materials for containment and cleaning

Vacuum the spilled product into a suitable container. If the product is flammable, use an 'explosion proof equipment. Assess the compatibility of the container to be used with the product, verifying section 10. Absorb the remainder with inert absorbent material.

Ensure adequate ventilation of the place affected by the loss. The disposal of contaminated material must be made in accordance with point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1 . Precautions for safe handling .

Ensure adequate earthing system for the equipment and personnel . Avoid contact with eyes and skin . Do not inhale any dust or vapors or mists . Do not eat , drink or smoke while handling it . Wash hands after use . Avoid dispersal into the environment.

7.2 . Conditions for safe storage , including any incompatibilities .

Store only in the original container . Store in a ventilated place, away from sources of ignition. Keep container tightly sealed . Keep the product in clearly labeled containers . Avoid overheating . Avoid shocks . Store containers away from any incompatible materials , checking section 10 .

7.3 . Specific end uses.

Information not available .

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Normative requirements:

ITA Italian Legislative Decree 9 April 2008, n.81

EU OEL EU Directive 2009/161 / EU; Directive 2006/15 / EC; Directive 2004/37 / EC; Directive 2000/39 / EC.

ACGIH TLV-ACGIH 2016

HYDROCHLORIC ACID

TLV.

Type Country TWA / 8h STEL / 15min

mg / m3 ppm mg / m3 ppm

VLEP ITA 8 5 15 10

OEL EU 8 5 15 10

ACGIH TLV-2,9 (C) 2 (C)

legend:

(C) = CEILING; INALAB = Inhalable fraction; RESPIR = Respirable fraction; Toracic = Fraction Thoracic.

8.2. exposition controls

As the use of adequate technical equipment must always take priority over personal protection equipment, ensure good ventilation in the workplace through effective local aspiration. The personal protective equipment must bear the CE marking attesting to their compliance with applicable regulations.

Provide emergency shower with visculaire pan.

HAND PROTECTION

Protect your hands with work gloves, category III (ref. Standard EN 374).

For the final choice of work glove material must be considered: compatibility, degradation, breakage times and permeation.

In the case of preparations the resistance of protective gloves to chemicals should be checked before use, as it expected. The Gloves' limit depends on the duration and use mode.

SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use category II (ref. Directive 89/686 / EEC and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

You should wear protective airtight goggles (ref. Standard EN 166).

RESPIRATORY PROTECTION

The use of respiratory protective equipment is necessary in case the technical measures taken are not sufficient to limit the exposition of the worker to the threshold values considered. The protection provided by masks is in any case limited.

ENVIRONMENTAL EXPOSITION CONTROLS.

Emissions from production processes, including those from ventilation should be checked for compliance of environmental protection legislation.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties

Appearance	viscous liquid
Color	pale yellow
Odor	Characteristic
Odor factory threshold.	Not available.
pH.	2.00 +/- 0.50
melting or freezing point.	Not available.
Initial boiling point.	Not available.
boiling range.	Not available.
Flash point.	110 ° C.
Evaporation rate	Not available.
Flammability of solids and gases	Not available.
lower flammable limit.	Not available.
upper flammable limit.	Not available.
lower explosive limit.	Not available.
upper explosive limit.	Not available.
Vapor pressure.	Not available.
Vapour density	Not available.
Relative density.	1.10 +/- 0.05
Solubility	soluble in water
Coefficient of n-octanol / water:	Not available.
auto-ignition temperature.	Not available.
decomposition temperature.	Not available.
Viscosity	Not available.
Explosive properties	Not available.
oxidant properties	Not available.

9.2. Further information

Information not available.

SECTION 10. Stability and reactivity.

10.1 . Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use

10.2 . Chemical stability

The product is stable in normal conditions of use and storage

10.3 . Possibility of hazardous reactions

Under normal use and storage conditions are not predictable hazardous reactions .

HYDROCHLORIC ACID

of contact explosion with: alkali metals , aluminum powder , hydrogen , alcohol cyanide

10.4 . Conditions to avoid

HYDROCHLORIC ACID

Incompatible with : alkalis , organic substances , strong oxidants, metals .

10.5 . Incompatible materials

HYDROCHLORIC ACID

10.6 . Hazardous decomposition products

By decomposition develops : copper alloys .

SECTION 11. Toxicological information.

In the absence of experimental toxicological data on the product itself, the possible health hazards of the product were evaluated based on the properties of the substances contained, according to the criteria laid down by the relevant regulations for the classification. therefore, consider the concentration of each hazardous substances possibly mentioned in sect. 3, to evaluate the toxicological effects deriving from exposition to the product.

11.1. Information on toxicological effects.

ACUTE TOXICITY.

LC50 (Inhalation - vapor) Mixture: Not classified (no relevant component).
LC50 (Inhalation - mist / dust) Mixture: Not classified (no relevant component).
LD50 (Oral) Mixture: Not classified (no relevant component).
LD50 (Dermal) Mixture: Not classified (no relevant component).

SKIN CORROSION / IRRITATION.

It causes skin irritation.

SERIOUS EYE DAMAGE / IRRITATION.

It causes serious eye irritation.

RESPIRATORY OR SKIN SENSITIZATION.

It does not meet the classification criteria for this hazard class.

MUTAGENICITY ON GERM CELL.

It does not meet the classification criteria for this hazard class.

CARCINOGENICITY.

It does not meet the classification criteria for this hazard class.

TOXIC TO REPRODUCTION.

It does not meet the classification criteria for this hazard class.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE.

It can cause respiratory irritation.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE.

It does not meet the classification criteria for this hazard class.

DANGER ASPIRATION.

It does not meet the classification criteria for this hazard class.

SECTION 12. Ecological information.

Adopt good working practices, avoiding release of the product in the environment . Inform the competent authorities , should the product reach waterways or contaminate soil or vegetation.

12.1 . Toxicity

Information not available

12.2 . Persistence and degradability

HYDROCHLORIC ACID

Solubility in water > 10000 mg / l

Biodegradation : Not Available

12.3 . Potential for bioaccumulation

Information not available .

12.4 . Mobility in soil

The product spreads in water and can permeate the soil

12.5 . Results of PBT and vPvB

Based on available data , the product does not contain any PBT or vPvB substances as a percentage greater than 0.1 % .

12.6 . Other adverse effects

Information not available

SECTION 13. Disposal considerations.

13.1 . Waste treatment methods

Reuse, when possible . Product residues should be considered special hazardous waste . The hazard level of waste containing this product should be evaluated according to applicable regulations .

Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations .

Waste transportation may be subject to ADR .

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

14.1 . UN number.

ADR / RID , IMDG , IATA : **1789**

14.2 . Shipping Name dell' ONU

ADR / RID : Hydrochloric acid
IMDG : Hydrochloric acid
IATA : Hydrochloric acid

14.3 . of Transport hazard classes

ADR / RID :	Class: 8	Label: 8
IMDG :	Class: 8	Label: 8
IATA :	Class: 8	Label: 8



14.4 . Packaging group .

ADR / RID , IMDG , IATA : **II**

14.5 . Hazards l' ambiente .

ADR / RID , IMDG , IATA : **NO**

Packaging:

10 LT CAN – APPROVAL 3H1/Y1,9/200 –22,5 cm x 19,5 cm x 30,6cmH – Weight 0,430 KG

14.6 . Special precautions for user .

ADR / RID :

HIN - Kemler : 80

Limited Quantities : 1 L

of Tunnel restriction code : (E)

IMDG :

Special Provision: EMS : F -A , S - B

Limited Quantities : 1 L

IATA :

Cargo: Maximum quantity: 30 L

Packing instructions : 855

Pass .: Maximum quantity: 1 L

Packing instructions : 851

Special Instructions: A3 , A803

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

Non relevant information .

SECTION 15. Regulatory information.

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

Category Seveso - Directive 2012/18 / EC:

Restrictions relating to the product or contained substances pursuant to Annex XVII to Regulation (EC) 1907/2006.

Product.

point 3

Substances in Candidate List (Art. 59 REACH).

Substances subject to authorization (Annex XIV REACH).

None.

Substances subject to the obligation of export notification Reg. (EC) 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

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

No chemical safety assessment has been processed for the mixture and the substances contained therein

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Met. Corr. 1 2

Skin Corr. 1B Skin corrosion, category 1B

Skin Corr. 1C Skin corrosion, Category 1C

Eye Dam. 1 Serious eye damage, Category 1

Eye Irrit. 2 Eye irritation, category 2

Skin Irrit. 2 Skin irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H319 Causes serious eye irritation

H315 Causes skin irritation

H335 May cause respiratory irritation

LEGEND:

- ADR: European Agreement concerning the Carriage of Dangerous Goods by Road

- CAS NUMBER: Number of the Chemical Abstract Service

- EC50: Concentration that gives effect to 50% of the population subject to testing

- EC NUMBER: Number identifier in ESIS (European database of existing substances)

- CLP: Regulation EC 1272/2008

- DNEL: Derived no effect level

- EmS: Emergency Schedule

- GHS: Globally Harmonized System of Classification and Labeling of Chemicals

- IATA DGR: Regulation for the transport of dangerous goods by the International Air Transport Association

- IC50: Concentration of immobilization of 50% of the population subject to testing

- IMDG: International Maritime Code for Dangerous Goods

- IMO: International Maritime Organization

- INDEX NUMBER: identification number annexed VI of the CLP

- LC50: Lethal Concentration 50%

- LD50: Lethal Dose 50%

- OEL: Occupational Exposure Level

- PBT: Persistent, bio accumulative and toxic according to REACH

- PEC: Predicted Environmental Concentration

- PEL: Predicted Exposure Level

- PNEC: Predicted No Effect Concentration

- REACH: EU Regulation 1907/2006

- RID: Regulations for the international carriage of dangerous goods by rail

- TLV: TLV

- TLV CEILING: Concentration which must not be exceeded during any time working of exposure

- TWA STEL: Short Term Exposure Limit

- TWA: Medium exposure limit weighed

- VOC: Volatile Organic Compound

- VPvB: Very persistent and very bio accumulative according to REACH

- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 of the European Parliament (REACH)

2. Regulation (EU) 1272/2008 of the European Parliament (CLP)

3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)

4. Regulation (EU) 2015/830 of the European Parliament

5. Regulation (EU) 286/2011 of the European Parliament (II ATP. CLP)

6. Regulation (EU) 618/2012 of the European Parliament (ATP III. CLP)

7. Regulation (EU) 487/2013 of the European Parliament (IV ATP. CLP)

8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)

9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)

- The Merck Index. - 10th Edition

- Handling Chemical Safety

- INRS - Fiche Toxicologique (toxicological sheet)

- Patty - Industrial Hygiene and Toxicology



IDEAL WORK

GEL10

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- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- Web Site ECHA Agency

Note to the user

The information contained in this sheet are based on our own knowledge on the date of the last version. The user must verify the suitability and thoroughness of provided information according to each specific use of the product.

It should not be construed as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility the laws and the current regulations on hygiene and safety. Do not assume responsibility for improper use.

Provide adequate training to staff to the use of chemicals.