CHARBONNEAUX BRABANT 1797



# Safety data sheet
**according to 1907/2006/EC, Article 31**

*Printing date 16.02.2023* *Version number 7* *Revision: 16.02.2023*

*

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· Trade name: **Acide chlorhydrique 19 à 23%**

· Article number: 0512
· CAS Number: 7647-01-0

· EC number: 231-595-7
· Index number: 017-002-00-2
Not relevant

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· Application of the substance / the mixture Decapant
descaling

· **1.3 Details of the supplier of the safety data sheet**
· Manufacturer/Supplier: CHARBONNEAUX BRABANT Tel: +33 (0)3 26 49 58 70
52 rue de la Justice
51100 REIMS
www.charbonneauxbrabant.com
E-mail: chimiereglementation@charbonneaux.com

· Further information obtainable from: Service Réglementaire de la société CHARBONNEAUX BRABANT
52 rue de Justice - Z.I. Port Sec
51100 REIMS
Tel: 03 26 49 58 70
E-mail: chimiereglementation@charbonneaux.com

· **1.4 Emergency telephone number:** ORFILA téléphone: 01 45 42 59 59
SAMU : 15
POMPIERS: 18
Pour connaître la liste des médecins de garde contactez le 15.
Emergency Number 112

## SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· Classification according to Regulation (EC) No 1272/2008

corrosion

Met. Corr.1 H290 May be corrosive to metals.
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

STOT SE 3 H335 May cause respiratory irritation.

· **2.2 Label elements**

· Labelling according to Regulation (EC) No 1272/2008 The substance is classified and labelled according to the GB CLP regulation.
· Hazard pictograms

GHS05 GHS07

· Signal word Danger

· Hazard-determining components of labelling: hydrochloric acid
· Hazard statements
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

· Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves / eye protection / face protection.
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 [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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| | |
|---|---|
| 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/doctor. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents / container to a hazardous waste center in accordance with local and national regulations. |

· Information concerning particular hazards for human and environment: The product does not, or does not generate, when used, other dangerous properties that would not be classified under Regulation No 1272/2008

· **2.3 Other hazards**
· Results of PBT and vPvB assessment
· PBT: The product does not possess PBT property, as defined in Annex XIII of Regulation (CE) n°1907/2006.
Not applicable.
· vPvB: The product does not possess vPvB property, as defined in Annex XIII of Regulation (CE) n°1907/2006.
Not applicable.
· Determination of endocrine-disrupting properties For information on endocrine disrupting properties see section 11.
The product does not contain substances with endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

· **3.1 Substances**
· CAS No. Description 7647-01-0
· Identification number(s)
· EC number: 231-595-7
· Index number: 017-002-00-2
· Description: Mixture: consisting of the following components.

· Dangerous components:

| | | |
|---|---|---|
| CAS: 7647-01-0<br>EINECS: 231-595-7<br>Reg.nr.: 01-2119484862-27-XXXX | hydrochloric acid<br>Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335<br>Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 %<br>Skin Irrit. 2; H315: 10 % ≤ C < 25 %<br>Eye Irrit. 2; H319: 10 % ≤ C < 25 %<br>STOT SE 3; H335: C ≥ 10 % | ≥10-<25% |

· Additional information: For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· General information: Contact staff aider and health, safety and environment service.
Respond quickly
· After inhalation: In case of unconsciousness place patient stably in side position for transportation.
Call a doctor immediately.
Take affected persons into fresh air and keep quiet.
· After skin contact: Immediately rinse with water.
Seek medical treatment.
Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.
If skin irritation continues, consult a doctor.
Immediately remove any clothing soiled by the product.
· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
Verify that the victim bears no lenses - remove.
· After swallowing: A person vomiting while laying on their back should be turned onto their side.
Do not induce vomiting unless directed by a physician

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· Hazards Danger of gastric perforation.
Risk of burns on prolonged contact

· **4.3 Indication of any immediate medical attention and special treatment needed** No specific treatment required.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· Suitable extinguishing agents: All extinguishing agents usable
Use fire extinguishing methods suitable to surrounding conditions.
· For safety reasons unsuitable extinguishing agents: Water
Do not use water stream, as it may spread the fire.

· **5.2 Special hazards arising from the substance or mixture** Formation of toxic gases is possible during heating or in case of fire.
During heating or in case of fire poisonous gases are produced.
Carbon monoxide (CO)

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*Carbon dioxyde*

· **5.3 Advice for firefighters**
· Protective equipment: *Mount respiratory protective device.*
*Wear self-contained respiratory protective device.*
*Do not inhale explosion gases or combustion gases.*
*Wear fully protective suit.*
*Wear gloves and safety glasses*
· Additional information *Cool endangered receptacles with water spray.*

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** *Mount respiratory protective device.*
*Wear protective equipment. Keep unprotected persons away.*
*Avoid contact with skin and eyes*
*do not touch or walk through spilled.*
· **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*
· **6.3 Methods and material for containment and cleaning up:** *Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*
*Use neutralising agent.*
*Dispose contaminated material as waste according to item 13.*
*Ensure adequate ventilation.*
*The water cleaning, towards the sewers is not permitted*
· **6.4 Reference to other sections** *See Section 7 for information on safe handling.*
*See Section 8 for information on personal protection equipment.*
*See Section 13 for disposal information.*

## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** *Ensure good ventilation/exhaustion at the workplace.*
*Open and handle receptacle with care.*
*Prevent formation of aerosols.*
*Wear protective equipment required before operation (see Chapter 8)*
*deferred origin labeling on all containers*
*Provide for safety showers and eye washes on the workplace*
· Information about fire - and explosion protection: *Keep respiratory protective device available.*
*Safety equipment to fight against fire, leak or spill must be easily accessible*

· **7.2 Conditions for safe storage, including any incompatibilities**
· Storage:
· Requirements to be met by storerooms and receptacles: *Store only in the original receptacle.*
*Use only receptacles specifically permitted for this substance/product.*
*According to the specific requirements of the storage, provide a diked*
· Information about storage in one common storage facility: *Do not store with the basics*
*Keep away from incompatible materials*
· Further information about storage conditions: *Store in cool, dry conditions in well sealed receptacles.*
· **7.3 Specific end use(s)** *No further relevant information available.*

## SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· Ingredients with limit values that require monitoring at the workplace: *Other substances do not have occupational exposure limit values*

| **CAS: 7647-01-0 hydrochloric acid** | |
|---|---|
| WEL | Short-term value: 8 mg/m³, 5 ppm<br>Long-term value: 2 mg/m³, 1 ppm<br>(gas and aerosol mists) |

· DNELs

| **CAS: 7647-01-0 hydrochloric acid** | |
|---|---|
| DNEL | (TRA)<br>Aïgue, effets locaux, inhalation: 15 mg/m³ Chlorure d'hydrogène.<br>Long terme, effets locaux, inhalation: 8 mg/m³ Chlorure d'hydrogène |

· PNECs

| **CAS: 7647-01-0 hydrochloric acid** | |
|---|---|
| PNEC | (OTH)<br>PNEC aqua (eau douce) 36 µg/l Chlorure d'hydrogène.<br>PNEC aqua (eau de mer) 36 µg/l Chlorure d'hydrogène.<br>PNEC aqua (intermittente, eau douce) 45 µg/l Chlorure d'hydrogène.<br>PNEC station d'épuration 36 µg/l Chlorure d'hydrogène. |

· Additional information: *The lists valid during the making were used as basis.*

· **8.2 Exposure controls** *The appropriate control measures depend on how the product is used and the potential for exposure*
*If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal equipment, which is known perfom satisfactorily, should be used.*

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· Appropriate engineering controls: *No further data; see item 7.*
· Individual protection measures, such as personal protective equipment
· General protective and hygienic measures: *The usual precautionary measures are to be adhered to when handling chemicals.*
*Keep away from foodstuffs, beverages and feed.*
*Immediately remove all soiled and contaminated clothing*
*Wash hands before breaks and at the end of work.*
*Do not inhale gases / fumes / aerosols.*
*Avoid contact with the eyes and skin.*
*Promote the establishment of collective protection over personal safety equipment*
· Respiratory protection: *Use suitable respiratory protective device in case of insufficient ventilation.*
*In case of risk of exposure exceeding the mean exposure value, an appropriate breathing apparatus must be worn by each individual.*
*use products in accordance with an approved standard*
· Recommended filter device for short term use: *Be aware that filter protection time is limited.*
· Hand protection

*Protective gloves*

*norme EN374*
*Regularly change gloves*
*Check the permeability prior to each anewed use of the glove.*
*Selection of the glove material depending on the penetration times, rates of diffusion and the degradation. It should be borne in mind that the resistance of a glove is influenced by factors such as the temperature of the product, its concentration, the thickness of the glove, the dipping time. Maintain chemical risk demand also know all other parameters specific to the workstation (mechanical risk, thermal, dexterity required handling of abrasive parts).*
*Refer to the information on the chemical resistance of glove manufacturer of each and conduct a test to determine if the glove is suitable to the conditions of actual use.*

· Material of gloves: *PVC gloves*
*multilayer gloves*
*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.*
*Recommended thickness of the material: ≥ selon fabricant*
· Penetration time of glove material: *The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. It should be noted that the sustainability of chemical-resistant gloves may be considerably shorter than the penetration time measured by the EN374 standard due to the many specific exterior effects workstation.*
*Value for the permeation: Level ≤ selon fabricant*
· Eye/face protection

*Tightly sealed goggles*

· Body protection: *Protective work clothing*

* 
## SECTION 9: Physical and chemical properties

· ***9.1 Information on basic physical and chemical properties***

| | |
|---|---|
| · General Information | |
| · Colour: | *Colourless* |
| · Odour: | *Characteristic* |
| · Odour threshold: | *Information not available* |
| · Melting point/freezing point: | *Undetermined.* |
| · Boiling point or initial boiling point and boiling range | *85-108 °C (185-226.4 °F)* |
| · Flammability | *Not applicable.* |
| · Flash point: | *Not applicable.* |
| · Decomposition temperature: | *Not determined.* |
| · pH | *<1* |
| · Viscosity: | |
| · Kinematic viscosity | *Not determined.* |
| · Dynamic at 20 °C (68 °F): | *1.9 mPas* |
| · Solubility | |
| · water: | *Soluble.* |
| · Partition coefficient n-octanol/water (log value) | *Chapter 12* |
| · Vapour pressure at 20 °C (68 °F): | *23 hPa (17.3 mm Hg)* |
| · Density and/or relative density | |
| · Density at 20 °C (68 °F): | *1.0309 g/cm³ (8.6029 lbs/gal)* |
| · Relative density at 20 °C (68 °F) | *1.13* |
| · Appearance: | |
| · Form: | *Fluid* |
| · Important information on protection of health and environment, and on safety. | |
| · Auto-ignition temperature: | *Product is not selfigniting.* |
| · Explosive properties: | *Product does not present an explosion hazard.* |
| · Solvent content: | *0.00 %* |

· Information with regard to physical hazard classes
· Explosives: *Void*

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| | |
|---|---|
| · Flammable gases | *Void* |
| · Aerosols | *Void* |
| · Oxidising gases | *Void* |
| · Gases under pressure | *Void* |
| · Flammable liquids | *Void* |
| · Flammable solids | *Void* |
| · Self-reactive substances and mixtures | *Void* |
| · Pyrophoric liquids | *Void* |
| · Pyrophoric solids | *Void* |
| · Self-heating substances and mixtures | *Void* |
| · Substances and mixtures, which emit flammable gases in contact with water | *Void* |
| · Oxidising liquids | *Void* |
| · Oxidising solids | *Void* |
| · Organic peroxides | *Void* |
| · Corrosive to metals | *May be corrosive to metals.* |
| · Desensitised explosives | *Void* |
| · Additional information | *0.0 g/l* |

## SECTION 10: Stability and reactivity

| | |
|---|---|
| · ***10.1 Reactivity*** | *No further relevant information available.* |
| · ***10.2 Chemical stability*** | |
| · Thermal decomposition / conditions to be avoided: | *No decomposition if used according to specifications.* |
| · ***10.3 Possibility of hazardous reactions*** | *Corrosive action on metals.*<br>*violent and exothermic reaction with basic products* |
| · ***10.4 Conditions to avoid*** | *No further relevant information available.* |
| · ***10.5 Incompatible materials:*** | *Alkaline hypochlorite*<br>*Bases* |
| · ***10.6 Hazardous decomposition products:*** | *No dangerous decomposition products known.* |

## SECTION 11: Toxicological information

· ***11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***

| | |
|---|---|
| · **Acute toxicity** | *Based on available data, the classification criteria are not met.* |
| · Oral: | *Available data indicates that calssification criteria are not met.* |
| · Dermal: | *Available data indicates that calssification criteria are not met.* |
| · Inhalation: | *Available data indicates that calssification criteria are not met.* |
| · Skin corrosion/irritation | *Causes severe skin burns and eye damage.* |
| · Serious eye damage/irritation | *Causes serious eye damage.* |
| · **Sensitization:** | *Based on available data, the classification criteria are not met.* |
| · Germ cell mutagenicity | *Based on available data, the classification criteria are not met.* |
| · Carcinogenicity | *Based on available data, the classification criteria are not met.* |
| · Reproductive toxicity | *Based on available data, the classification criteria are not met.* |
| · **STOT-single exposure** | *May cause respiratory irritation.* |
| · **STOT-repeated exposure** | *Based on available data, the classification criteria are not met.* |
| · **Aspiration hazard** | *Based on available data, the classification criteria are not met.* |

· ***11.2 Information on other hazards***

· Endocrine disrupting properties

*None of the ingredients is listed.*

## SECTION 12: Ecological information

· ***12.1 Toxicity***

| | |
|---|---|
| · Aquatic toxicity: | *Information not available*<br>*No further relevant information available.* |

· ***12.2 Persistence and degradability***

***CAS: 7647-01-0 hydrochloric acid***

| | |
|---|---|
| *Biodegradabilité* | *% (OTH)*<br>*Non applicable* |

· ***12.3 Bioaccumulative potential***

***CAS: 7647-01-0 hydrochloric acid***

| | |
|---|---|
| *Log Pow* | *0.25 (OTH)* |

| | |
|---|---|
| · ***12.4 Mobility in soil*** | *No further relevant information available.* |
| · ***12.5 Results of PBT and vPvB assessment*** | |
| · PBT: | *The product does not possess PBT property, as defined in Annex XIII of Regulation (CE) n°1907/2006.*<br>*Not applicable.* |

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· vPvB: *The product does not possess vPvB property, as defined in Annex XIII of Regulation (CE) n°1907/2006.*
*Not applicable.*

· ***12.6 Other adverse effects***
· Additional ecological information:
· General notes: *Do not allow product to reach ground water, water course or sewage system.*
*Must not reach sewage water or drainage ditch undiluted or unneutralised.*
*Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.*

## SECTION 13: Disposal considerations

· ***13.1 Waste treatment methods***
· Recommendation: *Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
*Must be specially treated adhering to official regulations.*
*For the handling of waste, take the precautions mentioned in Chapter 7 and 8*
*Reuse or recycle where possible*
*Otherwise, incineration using methods recommended*
· Waste disposal key: *Data on the use by the cosommateur are needed to determine the waste classification*
· Uncleaned packaging:
· Recommendation: *Packagings that may not be cleansed are to be disposed of in the same manner as the product.*
*empty containers may contain hazardous residues*
*Do not remove the label on the package until it is cleaned*
*Do not treat the empty packaging as a household waste.*
*Do not incinerate sealed packaging*
· Recommended cleansing agents: *Water, if necessary together with cleansing agents.*

* 

## SECTION 14: Transport information

· ***14.1 UN number or ID number***
· ADR, IMDG, IATA: *UN1789*

· ***14.2 UN proper shipping name***
· ADR: *1789 HYDROCHLORIC ACID*
· IMDG, IATA: *HYDROCHLORIC ACID solution*

· ***14.3 Transport hazard class(es)***
· ADR

· Class: *8 (C1) Corrosive substances.*
· Label: *8*

· IMDG, IATA

· Class: *8 Corrosive substances.*
· Label: *8*

· ***14.4 Packing group***
· ADR, IMDG, IATA: *II*

· ***14.5 Environmental hazards:***
· Marine pollutant: *No*

· ***14.6 Special precautions for user*** *Warning: Corrosive substances.*
· Hazard identification number (Kemler code): *80*
· EMS Number: *F-A,S-B*
· Segregation groups *(SGG1) Acids*
· Stowage Category *E*

· ***14.7 Maritime transport in bulk according to IMO instruments*** *Not applicable.*

· Transport/Additional information:

· ADR
· Excepted quantities (EQ) *Code: E2*
*Maximum net quantity per inner packaging: 30 ml*
*Maximum net quantity per outer packaging: 500 ml*

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| | |
|---|---|
| · Tunnel restriction code | *E* |
| · IMDG | |
| · Limited quantities (LQ) | *1L* |
| · Excepted quantities (EQ) | *Code: E2*<br>*Maximum net quantity per inner packaging: 30 ml*<br>*Maximum net quantity per outer packaging: 500 ml* |
| · UN "Model Regulation": | *UN 1789 HYDROCHLORIC ACID, 8, II* |

## SECTION 15: Regulatory information

· ***15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture***

· TSCA (Toxic Substances Control Act):

| | |
|---|---|
| *CAS: 7647-01-0* | *hydrochloric acid* |
| *CAS: 7732-18-5* | *water, distilled, conductivity or of similarpurity* |

· Proposition 65

· PROP.65 Chemicals known to cause cancer:
*None of the ingredients is listed.*

· PROP.65 Chemicals known to cause reproductive toxicity for females:
*None of the ingredients is listed.*

· PROP.65 Chemicals known to cause reproductive toxicity for males:
*None of the ingredients is listed.*

· Philippines Inventory of Chemicals and Chemical Substances
*All ingredients are listed.*

· Chinese Chemical Inventory of Existing Chemical Substances
*All ingredients are listed.*

· Australian Inventory of Industrial Chemicals
*All ingredients are listed.*

· Canadian Domestic Substances List (DSL)
*All ingredients are listed.*

· Korean Existing Chemical Inventory
*All ingredients are listed.*

· Labelling according to Regulation (EC) No 1272/2008: *see Chapter 2*

· Directive 2012/18/EU
· Seveso category: *not applicable*

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)
*None of the ingredients is listed.*

· LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)
*None of the ingredients is listed.*

· Regulation (EU) No 649/2012
*None of the ingredients is listed.*

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
*None of the ingredients is listed.*

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
*None of the ingredients is listed.*

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS
*None of the ingredients is listed.*

· Information about limitation of use: *Rubriques nomenclatureICPE (France):/*
*Comply with applicable national regulations*

· ***15.2 Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

## SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· Relevant phrases
*H290 May be corrosive to metals.*
*H314 Causes severe skin burns and eye damage.*
*H318 Causes serious eye damage.*
*H335 May cause respiratory irritation.*

· Recommended restriction of use: *Not concerned*

· Abbreviations and acronyms:
*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
*IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)*
*ICAO: International Civil Aviation Organisation*

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*ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)*
*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*
*IMDG: International Maritime Code for Dangerous Goods*
*IATA: International Air Transport Association*
*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*
*EINECS: European Inventory of Existing Commercial Chemical Substances*
*ELINCS: European List of Notified Chemical Substances*
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*
*DNEL: Derived No-Effect Level (UK REACH)*
*PNEC: Predicted No-Effect Concentration (UK REACH)*
*PBT: Persistent, Bioaccumulative and Toxic*
*vPvB: very Persistent and very Bioaccumulative*
*Met. Corr.1: Corrosive to metals – Category 1*
*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

· * Data compared to the previous version altered.

GB