

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Reference number: 100-039  
Issue date: 22/10/2015 Revision date: 30/11/2023 Supersedes version of: 21/03/2018 Version: 1.0



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

#### 1.1. Product identifier

Product form : Substance  
Substance name : MARCLEAN BAUXITE REMOVER  
EC Index-No. : 017-002-01-X  
EC-No. : 231-595-7;231-596-7  
CAS-No. : 7647-01-0  
REACH registration No. : 01-2119484862-27  
Product code : 100-039  
Type of product : Acids  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : Industrial  
Function or use category : Cleaning/washing agents and additives

| Title | Use descriptors        |
|-------|------------------------|
|       | SU3, PC35, PROC5, ERC2 |

Full text of use descriptors: see section 16

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

TECO CHEMICALS AS  
LYSAKER TORG 45  
1366 LYSAKER  
NORWAY  
T + 47 67200300  
[chemicals@teco.no](mailto:chemicals@teco.no) – [www.tecochemicals.com](http://www.tecochemicals.com)

#### 1.4. Emergency telephone number

Emergency number : +47 22591300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 1, Sub-Category 1B H314  
Serious eye damage/eye irritation, Category 1 H318  
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation H335

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

May cause respiratory irritation. Causes severe skin burns and eye damage. Causes serious eye damage.

# MARCLEAN BAUXITE REMOVER

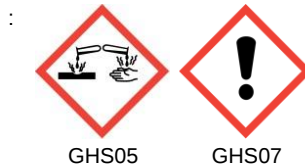
## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.  
H335 - May cause respiratory irritation.

Precautionary statements (CLP)

: P261 - Avoid breathing vapours, spray, mist, fume, gas.  
P280 - Wear protective clothing, eye protection, face protection, protective gloves.  
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER, a doctor.  
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a doctor.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.  
P312 - Call a POISON CENTER if you feel unwell.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name : TECO MURIATIC ACID  
CAS-No. : 7647-01-0  
EC-No. : 231-595-7;231-596-7  
EC Index-No. : 017-002-01-X

| Name              | Product identifier                                                                                            | %       |
|-------------------|---------------------------------------------------------------------------------------------------------------|---------|
| Hydrochloric acid | CAS-No.: 7647-01-0<br>EC-No.: 231-595-7;231-596-7<br>EC Index-No.: 017-002-01-X<br>REACH-no: 01-2119484862-27 | 25 – 50 |

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If medical advice is needed, have product container or label at hand.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.  
First-aid measures after skin contact : Wash skin with plenty of water. Take off immediately all contaminated clothing. Seek medical attention if burns develop.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.  
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

|                                     |                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : May cause respiratory irritation.                                                    |
| Symptoms/effects after skin contact | : Burns.                                                                               |
| Symptoms/effects after eye contact  | : Serious damage to eyes.                                                              |
| Symptoms/effects after ingestion    | : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                              |                                                  |
|------------------------------|--------------------------------------------------|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--------------------------------------------------|

### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Fire hazard                                      | : Not flammable.               |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

### 5.3. Advice for firefighters

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Exercise caution when fighting any chemical fire.                                                                                      |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

|                      |                                                                                          |
|----------------------|------------------------------------------------------------------------------------------|
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe fume, spray. |
|----------------------|------------------------------------------------------------------------------------------|

#### 6.1.2. For emergency responders

|                      |                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Methods for cleaning up | : Take up liquid spill into absorbent material.                 |
| Other information       | : Dispose of materials or solid residues at an authorized site. |

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe fume, spray. Wear personal protective equipment. |
| Hygiene measures              | : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.        |

### 7.2. Conditions for safe storage, including any incompatibilities

|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| Storage conditions    | : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. |
| Incompatible products | : Strong bases. Oxidizing agent.                                                               |

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Incompatible materials : aluminium. Carbon steel. stainless steel. zinc. lead.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| TECO MURIATIC ACID (7647-01-0)                     |                                             |
|----------------------------------------------------|---------------------------------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) |                                             |
| Local name                                         | Hydrogen chloride                           |
| IOEL TWA                                           | 8 mg/m <sup>3</sup>                         |
| IOEL TWA [ppm]                                     | 5 ppm                                       |
| IOEL STEL                                          | 15 mg/m <sup>3</sup>                        |
| IOEL STEL [ppm]                                    | 10 ppm                                      |
| Belgium - Occupational Exposure Limits             |                                             |
| Local name                                         | Hydrogène (chlorure d') # Waterstofchloride |
| OEL TWA                                            | 8 mg/m <sup>3</sup>                         |
| OEL TWA                                            | 5 ppm                                       |
| OEL STEL                                           | 15 mg/m <sup>3</sup>                        |
| OEL STEL                                           | 10 ppm                                      |
| France - Occupational Exposure Limits              |                                             |
| Local name                                         | Chlorure d'hydrogène (Acide chlorhydrique)  |
| VLE (OEL C/STEL)                                   | 7,6 mg/m <sup>3</sup>                       |
| VLE (OEL C/STEL) [ppm]                             | 5 ppm                                       |
| Remark                                             | Valeurs réglementaires contraignantes       |
| Germany - Occupational Exposure Limits (TRGS 900)  |                                             |
| Local name                                         | Hydrogenchlorid                             |
| AGW (OEL TWA) [1]                                  | 3 mg/m <sup>3</sup>                         |
| AGW (OEL TWA) [2]                                  | 2 ppm                                       |
| Remark                                             | DFG,EU,Y                                    |
| Italy - Occupational Exposure Limits               |                                             |
| Local name                                         | Acido cloridrico                            |
| OEL TWA                                            | 8 mg/m <sup>3</sup>                         |
| OEL TWA                                            | 5 ppm                                       |
| OEL STEL                                           | 15 mg/m <sup>3</sup>                        |
| OEL STEL                                           | 10 ppm                                      |
| Spain - Occupational Exposure Limits               |                                             |
| Local name                                         | Cloruro de hidrógeno                        |
| VLA-ED (OEL TWA) [1]                               | 7,6 mg/m <sup>3</sup>                       |

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| TECO MURIATIC ACID (7647-01-0)                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VLA-ED (OEL TWA) [2]                               | 5 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| VLA-EC (OEL STEL)                                  | 15 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| VLA-EC (OEL STEL) [ppm]                            | 10 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Remark                                             | VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país). |
| Hydrochloric acid (7647-01-0)                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Local name                                         | Hydrogen chloride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| IOEL TWA                                           | 8 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| IOEL TWA [ppm]                                     | 5 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| IOEL STEL                                          | 15 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| IOEL STEL [ppm]                                    | 10 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Belgium - Occupational Exposure Limits             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Local name                                         | Hydrogène (chlorure d') # Waterstofchloride                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OEL TWA                                            | 8 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OEL TWA                                            | 5 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL STEL                                           | 15 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| OEL STEL                                           | 10 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| France - Occupational Exposure Limits              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Local name                                         | Chlorure d'hydrogène (Acide chlorhydrique)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| VLE (OEL C/STEL)                                   | 7,6 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| VLE (OEL C/STEL) [ppm]                             | 5 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Remark                                             | Valeurs réglementaires contraignantes                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Germany - Occupational Exposure Limits (TRGS 900)  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Local name                                         | Hydrogenchlorid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| AGW (OEL TWA) [1]                                  | 3 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| AGW (OEL TWA) [2]                                  | 2 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Remark                                             | DFG,EU,Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Italy - Occupational Exposure Limits               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Local name                                         | Acido cloridrico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| OEL TWA                                            | 8 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OEL TWA                                            | 5 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL STEL                                           | 15 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| OEL STEL                                           | 10 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Spain - Occupational Exposure Limits               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Local name                                         | Cloruro de hidrógeno                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Hydrochloric acid (7647-01-0) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VLA-ED (OEL TWA) [1]          | 7,6 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| VLA-ED (OEL TWA) [2]          | 5 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| VLA-EC (OEL STEL)             | 15 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| VLA-EC (OEL STEL) [ppm]       | 10 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Remark                        | VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país). |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

| TECO MURIATIC ACID (7647-01-0)           |                      |
|------------------------------------------|----------------------|
| DNEL/DMEL (Workers)                      |                      |
| Acute - local effects, inhalation        | 15 mg/m <sup>3</sup> |
| Long-term - systemic effects, inhalation | 8 mg/m <sup>3</sup>  |
| PNEC (Water)                             |                      |
| PNEC aqua (freshwater)                   | 0,036 mg/l           |
| PNEC aqua (marine water)                 | 0,036 mg/l           |

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Combined gas/dust mask with filter type B/P2. Corrosionproof clothing. Gloves. Safety glasses.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses

| Eye protection |                      |                   |          |
|----------------|----------------------|-------------------|----------|
| Type           | Field of application | Characteristics   | Standard |
| Safety goggles |                      | With side shields |          |

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

| Hand protection                                                              |              |                   |                |             |          |
|------------------------------------------------------------------------------|--------------|-------------------|----------------|-------------|----------|
| Type                                                                         | Material     | Permeation        | Thickness (mm) | Penetration | Standard |
| Chemical resistant PVC gloves (to European standard ISO 374-1 or equivalent) | Butyl rubber | 6 (> 480 minutes) | 0.7 mm         |             |          |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

| Respiratory protection |                                             |                   |          |
|------------------------|---------------------------------------------|-------------------|----------|
| Device                 | Filter type                                 | Condition         | Standard |
| Gas mask               | Type P2, Filter B (grey), Filter E (yellow) | Vapour protection |          |

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                         |
|-------------------------------------------------|-------------------------|
| Physical state                                  | : Liquid                |
| Colour                                          | : light yellow.         |
| Appearance                                      | : Clear.                |
| Odour                                           | : acidic.               |
| Odour threshold                                 | : Not available         |
| Melting point                                   | : -46 °C Not applicable |
| Freezing point                                  | : Not available         |
| Boiling point                                   | : 90 °C                 |
| Flammability                                    | : Not applicable        |
| Explosive limits                                | : Not available         |
| Lower explosion limit                           | : Not available         |
| Upper explosion limit                           | : Not available         |
| Flash point                                     | : Not available         |
| Auto-ignition temperature                       | : Not available         |
| Decomposition temperature                       | : Not available         |
| pH                                              | : 0 – 1                 |
| Viscosity, kinematic                            | : Not available         |
| Viscosity, dynamic                              | : 1,7 – 1,99 cP         |
| Solubility                                      | : Soluble in water.     |
| Partition coefficient n-octanol/water (Log Kow) | : Not available         |
| Vapour pressure                                 | : 2 kPa                 |
| Vapour pressure at 50°C                         | : Not available         |
| Density                                         | : 1,15 – 1,18           |
| Relative density                                | : Not available         |

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Relative vapour density at 20°C : Not available  
Particle characteristics : Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts exothermically with (some) bases.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Reacts exothermically with (some) bases. Reacts with (strong) oxidizers.

### 10.4. Conditions to avoid

High temperature.

### 10.5. Incompatible materials

metals. Oxidizing agent. Strong bases. Sulfurous.

### 10.6. Hazardous decomposition products

Chlorine. Corrosive vapours. Hydrogen chloride.

## SECTION 11: Toxicological information

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

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| Acute toxicity (oral)             | : Not classified                          |
| Acute toxicity (dermal)           | : Not classified                          |
| Acute toxicity (inhalation)       | : Not classified                          |
| Skin corrosion/irritation         | : Causes severe skin burns.<br>pH: 0 – 1  |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>pH: 0 – 1 |
| Respiratory or skin sensitisation | : Not classified                          |
| Germ cell mutagenicity            | : Not classified                          |
| Carcinogenicity                   | : Not classified                          |
| Reproductive toxicity             | : Not classified                          |
| STOT-single exposure              | : May cause respiratory irritation.       |

#### Hydrochloric acid (7647-01-0)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

### 11.2. Information on other hazards

No additional information available

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                                                           |                                                                                   |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------|
| Ecology - general                                         | : Before neutralisation, the product may represent a danger to aquatic organisms. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                                                  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified                                                                  |

#### 12.2. Persistence and degradability

##### TECO MURIATIC ACID (7647-01-0)

|                               |                                                   |
|-------------------------------|---------------------------------------------------|
| Persistence and degradability | inorganic wastes containing dangerous substances. |
|-------------------------------|---------------------------------------------------|

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                           |                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------|
| Regional waste regulation | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods   | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

#### 14.1. UN number or ID number

|               |           |
|---------------|-----------|
| UN-No. (ADR)  | : UN 1789 |
| UN-No. (IMDG) | : UN 1789 |
| UN-No. (IATA) | : UN 1789 |
| UN-No. (ADN)  | : UN 1789 |
| UN-No. (RID)  | : UN 1789 |

#### 14.2. UN proper shipping name

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Proper Shipping Name (ADR)            | : HYDROCHLORIC ACID                     |
| Proper Shipping Name (IMDG)           | : HYDROCHLORIC ACID                     |
| Proper Shipping Name (IATA)           | : Hydrochloric acid                     |
| Proper Shipping Name (ADN)            | : HYDROCHLORIC ACID                     |
| Proper Shipping Name (RID)            | : HYDROCHLORIC ACID                     |
| Transport document description (ADR)  | : UN 1789 HYDROCHLORIC ACID, 8, II, (E) |
| Transport document description (IMDG) | : UN 1789 HYDROCHLORIC ACID, 8, II      |
| Transport document description (IATA) | : UN 1789 Hydrochloric acid, 8, II      |

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Transport document description (ADN) : UN 1789 HYDROCHLORIC ACID, 8, II  
Transport document description (RID) : UN 1789 HYDROCHLORIC ACID, 8, II

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 8  
Danger labels (ADR) :  
:



#### IMDG

Transport hazard class(es) (IMDG) : 8  
Danger labels (IMDG) :  
:



#### IATA

Transport hazard class(es) (IATA) : 8  
Danger labels (IATA) :  
:



#### ADN

Transport hazard class(es) (ADN) : 8  
Danger labels (ADN) :  
:



#### RID

Transport hazard class(es) (RID) : 8  
Danger labels (RID) :  
:



### 14.4. Packing group

Packing group (ADR) : II  
Packing group (IMDG) : II  
Packing group (IATA) : II  
Packing group (ADN) : II  
Packing group (RID) : II

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 14.6. Special precautions for user

#### Overland transport

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Classification code (ADR)                                 | : C1          |
| Special provisions (ADR)                                  | : 520         |
| Limited quantities (ADR)                                  | : 1I          |
| Excepted quantities (ADR)                                 | : E2          |
| Packing instructions (ADR)                                | : P001, IBC02 |
| Mixed packing provisions (ADR)                            | : MP15        |
| Portable tank and bulk container instructions (ADR)       | : T8          |
| Portable tank and bulk container special provisions (ADR) | : TP2         |
| Tank code (ADR)                                           | : L4BN        |
| Vehicle for tank carriage                                 | : AT          |
| Transport category (ADR)                                  | : 2           |
| Hazard identification number (Kemler No.)                 | : 80          |
| Orange plates                                             | :             |



|                               |      |
|-------------------------------|------|
| Tunnel restriction code (ADR) | : E  |
| EAC code                      | : 2R |

#### Transport by sea

|                                    |                                                                                                                                                          |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limited quantities (IMDG)          | : 1 L                                                                                                                                                    |
| Excepted quantities (IMDG)         | : E2                                                                                                                                                     |
| Packing instructions (IMDG)        | : P001                                                                                                                                                   |
| IBC packing instructions (IMDG)    | : IBC02                                                                                                                                                  |
| IBC special provisions (IMDG)      | : B20                                                                                                                                                    |
| Tank instructions (IMDG)           | : T8                                                                                                                                                     |
| Tank special provisions (IMDG)     | : TP2                                                                                                                                                    |
| EmS-No. (Fire)                     | : F-A                                                                                                                                                    |
| EmS-No. (Spillage)                 | : S-B                                                                                                                                                    |
| Stowage category (IMDG)            | : C                                                                                                                                                      |
| Properties and observations (IMDG) | : Colourless liquid. An aqueous solution of the gas hydrogen chloride. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes. |

#### Air transport

|                                              |        |
|----------------------------------------------|--------|
| PCA Excepted quantities (IATA)               | : E2   |
| PCA Limited quantities (IATA)                | : Y840 |
| PCA limited quantity max net quantity (IATA) | : 0.5L |
| PCA packing instructions (IATA)              | : 851  |
| PCA max net quantity (IATA)                  | : 1L   |
| CAO packing instructions (IATA)              | : 855  |
| CAO max net quantity (IATA)                  | : 30L  |
| Special provisions (IATA)                    | : A3   |
| ERG code (IATA)                              | : 8L   |

#### Inland waterway transport

|                                   |          |
|-----------------------------------|----------|
| Classification code (ADN)         | : C1     |
| Special provisions (ADN)          | : 52     |
| Limited quantities (ADN)          | : 1 L    |
| Excepted quantities (ADN)         | : E2     |
| Carriage permitted (ADN)          | : T      |
| Equipment required (ADN)          | : PP, EP |
| Number of blue cones/lights (ADN) | : 0      |

#### Rail transport

|                           |       |
|---------------------------|-------|
| Classification code (RID) | : C1  |
| Special provisions (RID)  | : 520 |
| Limited quantities (RID)  | : 1L  |
| Excepted quantities (RID) | : E2  |

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Packing instructions (RID) : P001, IBC02  
Mixed packing provisions (RID) : MP15  
Portable tank and bulk container instructions (RID) : T8  
Portable tank and bulk container special provisions (RID) : TP2  
Tank codes for RID tanks (RID) : L4BN  
Transport category (RID) : 2  
Colis express (express parcels) (RID) : CE6  
Hazard identification number (RID) : 80

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

##### REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

##### POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

##### Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

| Name              | CN designation    | CAS-No.   | CN code    | Category   | Threshold | Annex   |
|-------------------|-------------------|-----------|------------|------------|-----------|---------|
| Hydrochloric acid | Hydrogen chloride | 7647-01-0 | 2806 10 00 | Category 3 |           | Annex I |

#### 15.1.2. National regulations

##### France

| Occupational diseases |                                  |
|-----------------------|----------------------------------|
| Code                  | Description                      |
| RG 66                 | Occupational rhinitis and asthma |

##### Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to VwVwS, Annex 1 or 2; ID No. 238).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

# MARCLEAN BAUXITE REMOVER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed  
SZW-lijst van mutagene stoffen : The substance is not listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed  
SZW-lijst van reprotoxische stoffen – : The substance is not listed  
Vruchtbaarheid  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Full text of H- and EUH-statements: |                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------|
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                                              |
| H314                                | Causes severe skin burns and eye damage.                                                   |
| H318                                | Causes serious eye damage.                                                                 |
| H335                                | May cause respiratory irritation.                                                          |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

| Full text of use descriptors |                                                                                    |
|------------------------------|------------------------------------------------------------------------------------|
| ERC2                         | Formulation into mixture                                                           |
| PC35                         | Washing and cleaning products                                                      |
| PROC5                        | Mixing or blending in batch processes                                              |
| SU3                          | Industrial uses: Uses of substances as such or in preparations at industrial sites |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.