

Safety Data Sheet**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking****1.1 Product identifier****Product Name** • Instant Power® Toilet Bowl Restorer**Product Code** • MSDS No.: 1803**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified use(s)** • Toilet Bowl Cleaner**1.3 Details of the supplier of the safety data sheet****Manufacturer** • Scotch Corporation
1255 Viceroy
Dallas, TX 75247
United States
www.scotchcorp.com
mail@scotchcorp.com**Telephone (General)** • 1-800-334-2077**EU Supplier** • Robimatic Ltd.
Sandall Stones Road
Kirk Sandall Industrial Estate Doncaster DN3 1QR
United Kingdom

robimatic@polypipe.com

Telephone (General) • +44 (0) 1302-790-790**Fax** • +44 (0) 1302-790-088**1.4 Emergency telephone number**

- 1-800-424-9300 - CHEMTREC (USA)
- 1-703-527-3887 - CHEMTREC (International)

Section 2: Hazards Identification**EU/EEC**

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

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

- Skin Irritation 2 - H315
- Eye Irritation 2 - H319
- Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335

DSD/DPD

- Irritant (Xi)
- R36/37/38

2.2 Label Elements

CLP

WARNING



- Hazard statements**
- H315 - Causes skin irritation
 - H319 - Causes serious eye irritation
 - H335 - May cause respiratory irritation

Precautionary statements

- Prevention**
- P261 - Avoid breathing mist/vapours/spray.
 - P264 - Wash thoroughly after handling.
 - P271 - Use only outdoors or in a well-ventilated area.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response**
- 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.
 - P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 - P321 - Specific treatment, see supplemental first aid information.
 - P332+P313 - If skin irritation occurs: Get medical advice/attention.
 - P362 - Take off contaminated clothing and wash before reuse.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.

- Storage/Disposal**
- P101 - If medical advice is needed, have product container or label at hand.
 - P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
 - P405 - Store locked up.
 - P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
 - P102 - Keep out of reach of children.

DSD/DPD



- Risk phrases**
- R36/37/38 - Irritating to eyes, respiratory system and skin.
- Safety phrases**
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other Hazards

- CLP**
- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD**
- According to European Directive 1999/45/EC this preparation is considered dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012**
- Skin Corrosion 1B - H314
 - Serious Eye Damage 1 - H318
 - Acute Toxicity Inhalation 4 - H332

2.2 Label elements

OSHA HCS 2012

DANGER

- Hazard statements**
- Causes severe skin burns and eye damage. - H314
 - Causes serious eye damage - H318
 - Harmful if inhaled - H332

Precautionary statements

- Prevention**
- Do not breathe dusts or mists. - P260
 - Avoid breathing mist/vapours/spray. - P261
 - Wash thoroughly after handling. - P264
 - Use only outdoors or in a well-ventilated area. - P271
 - Wear protective gloves/protective clothing/eye protection/face protection. - P280
- Response**
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340
 - Call a POISON CENTER or doctor/physician if you feel unwell. - P312
 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353
 - Specific treatment, see supplemental first aid information. - P321
 - Wash contaminated clothing before reuse. - P363
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
 - Immediately call a POISON CENTER or doctor/physician. - P310
 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. - P301+P330+P331

- Storage/Disposal**
- If medical advice is needed, have product container or label at hand. - P101
 - Store locked up. - P405
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501
 - Keep out of reach of children. - P102

2.3 Other hazards

- OSHA HCS 2012**
- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada**According to WHMIS****2.1 Classification of the substance or mixture**

- WHMIS**
- Very Toxic - D1A
 - Corrosive - E

2.2 Label elements**WHMIS**

- Very Toxic - D1A
- Corrosive - E

2.3 Other hazards

- WHMIS**
- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

| Composition | | | | | |
|-------------------|--------------------------------------|--------------|--|--|----------|
| Chemical Name | Identifiers | % | LD50/LC50 | Classifications According to Regulation/Directive | Comments |
| Hydrochloric acid | CAS:7647-01-0 EC Number:231-595-7 | 10% TO 23.5% | Inhalation-Rat LC50 • 3124 ppm 1 Hour(s) | EU DSD/DPD: Annex I - C; R34; Xi: R37 EU CLP: Annex VI - Skin Corr. 1B, H314; STOT SE 3, H335 OSHA HCS 2012: Acute Tox 3 (inhl), Acute Tox 4 (oral); Skin Corr. 1B; Eye Dam. 1 | NDA |

See Section 11 for Toxicological Information. See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention immediately.
- Skin**
- Remove and isolate contaminated clothing. Immediately flush skin with running water for at least 20 minutes. Get medical attention if needed.
- Eye**
- If wearing contact lenses, remove first. Immediately flush eyes with water for at least 20 minutes. Get medical attention immediately.
- Ingestion**
- If swallowed, rinse mouth with one glass of water. Do NOT induce vomiting. Obtain medical attention immediately if ingested.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- Use extinguishing agent suitable for type of surrounding fire.
- Unsuitable Extinguishing Media**
- None known.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Thermal decomposition can lead to release of irritating and toxic gases and vapors: Hydrogen chloride gas.
Can react with metals to generate flammable Hydrogen Gas.

- Hazardous Combustion**
- No data available.

Products

5.3 Advice for firefighters

- Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
SMALL FIRES: Move containers from fire area if you can do it without risk.
Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions • Wear appropriate protective clothing. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas.

Emergency Procedures • ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stop all leaks, isolate hazard area.

6.2 Environmental precautions

- Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures • Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling • Avoid breathing. Avoid contact with skin and eyes. Handle and open container with care. Use only with adequate ventilation. Handle with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage • Keep away from incompatible materials. Keep container/package tightly closed in a cool, well-ventilated place. Ventilate enclosed areas. Store locked up and out of reach of children.

7.3 Specific end use(s)

- Toilet Bowl Cleaner.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

| | | Exposure Limits/Guidelines | | | | |
|-------------------------------|----------|----------------------------|----------------|--|--|--|
| | Result | ACGIH | Canada Ontario | Canada Quebec | NIOSH | OSHA |
| Hydrochloric acid (7647-01-0) | Ceilings | 2 ppm Ceiling | 2 ppm Ceiling | 5 ppm Ceiling; 7.5 mg/m ³ Ceiling | 5 ppm Ceiling; 7 mg/m ³ Ceiling | 5 ppm Ceiling; 7 mg/m ³ Ceiling |

| Exposure Limits/Guidelines (Con't.) | | |
|-------------------------------------|--------|--|
| | Result | United Kingdom |
| Hydrochloric acid (7647-01-0) | STELs | 5 ppm STEL (aerosol mist and gas); 8 mg/m ³ STEL (aerosol mist and gas) |
| | TWAs | 1 ppm TWA (aerosol mist and gas); 2 mg/m ³ TWA (aerosol mist and gas) |

8.2 Exposure controls

Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- Use only with appropriate ventilation. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear eye/face protection including tightly fitting safety goggles.

Skin/Body

- Wear protective clothing including gloves and long sleeved clothing.

General Industrial

Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice. Do not get in eyes or on skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet.

Environmental

Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

| Material Description | | | |
|-------------------------------------|--------------|------------------------|--------------------------------------|
| Physical Form | Liquid | Appearance/Description | Blue liquid with a strong acid odor. |
| Color | Blue | Odor | Strong acid odor. |
| Odor Threshold | Data lacking | | |
| General Properties | | | |
| Boiling Point | Data lacking | Melting Point | Data lacking |
| Decomposition Temperature | Data lacking | pH | 1 |
| Specific Gravity/Relative Density | 1.13 Water=1 | Water Solubility | Soluble |
| Solvent Solubility | Data lacking | Viscosity | Data lacking |
| Explosive Properties | Data lacking | Oxidizing Properties: | Data lacking |
| Volatility | | | |
| Vapor Pressure | Data lacking | Vapor Density | Data lacking |
| Evaporation Rate | Data lacking | | |
| Flammability | | | |
| Flash Point | Not relevant | UEL | Not relevant |
| LEL | Not relevant | Autoignition | Not relevant |
| Flammability (solid, gas) | Data lacking | | |
| Environmental | | | |
| Octanol/Water Partition coefficient | Data lacking | | |

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- Reacts with bases.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- High temperatures. Do not mix with chlorine bleach, ammonia or other household cleaners or chemicals.

10.5 Incompatible materials

- Strong acids, bases, metals, metal oxides, hydroxides, carbonates, sulfides, sulfates, oxidizers, organic matter, and certain metals.

10.6 Hazardous decomposition products

- Thermal decomposition can lead to release of toxic/corrosive gases and vapors; Hydrogen chloride, H₂, CO₂, and CO.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

| Component Name | CAS | Data |
|----------------------------------|-----------|--|
| Hydrochloric acid (10% TO 23.5%) | 7647-01-0 | Acute Toxicity: orl-rbt LD50:900 mg/kg; ihl-rat LC50:3124 ppm/1H; Irritation: eye-rbt 5 mg/30S rinse MLD; skn-hmn 4%/24H MLD; Reproductive: ihl-rat TClO:450 mg/m ³ /1H (1D pre) |
| GHS Properties | | Classification |
| Acute toxicity | | EU/CLP•Acute Toxicity - Oral - Classification criteria not met OSHA HCS 2012•Acute Toxicity - Inhalation 4 |
| Aspiration Hazard | | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |
| Carcinogenicity | | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |
| Germ Cell Mutagenicity | | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |
| Skin corrosion/Irritation | | EU/CLP•Skin Irritation 2 OSHA HCS 2012•Skin Corrosion 1B |
| Skin sensitization | | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |
| STOT-RE | | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |
| STOT-SE | | EU/CLP•Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation OSHA HCS 2012•Classification criteria not met |
| Toxicity for Reproduction | | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |
| Respiratory sensitization | | EU/CLP•Classification criteria not met OSHA HCS 2012•Classification criteria not met |
| Serious eye damage/Irritation | | EU/CLP•Eye Irritation 2 |

Route(s) of entry/exposure • Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

- Acute (Immediate)** • May cause corrosive burns - irreversible damage. Harmful if inhaled.
- Chronic (Delayed)** • Repeated or prolonged exposure to corrosive fumes may cause bronchial irritation with chronic cough.

Skin

- Acute (Immediate)** • Can cause irritation to severe skin burns and eye damage.
- Chronic (Delayed)** • Repeated or prolonged exposure to corrosive materials will cause dermatitis.

Eye

- Acute (Immediate)** • Causes serious eye damage.
- Chronic (Delayed)** • Repeated or prolonged exposure to corrosive materials or fumes may cause conjunctivitis.

Ingestion

- Acute (Immediate)** • May cause irreversible damage to mucous membranes.
- Chronic (Delayed)** • Repeated or prolonged exposure to corrosive materials or fumes may cause gastrointestinal disturbances.

Carcinogenic Effects

- The components of this material are not found on the following lists: FEDERAL OSHA Z LIST, NTP and IARC; therefore, they are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

Key to abbreviations

LD = Lethal Dose

MLD = Mild

TC = Toxic Concentration

Section 12 - Ecological Information

12.1 Toxicity

| Instant Power® Toilet Bowl Restorer | | | | | |
|-------------------------------------|------------------------|------------|---------|---------------------|-------------------|
| Dosage | Species | Duration | Results | Exposure Conditions | Comments |
| = 282 mg/L | Fish: Gambusia affinis | 96 Hour(s) | LC50 | NDA | Hydrogen chloride |

12.2 Persistence and degradability

- This product is not expected to persist in the environment.

12.3 Bioaccumulative potential

- Bioaccumulation is unlikely.

12.4 Mobility in Soil

- Soluble in water.

12.5 Results of PBT and vPvB assessment

- This preparation contains no substance considered to be persistent, bioaccumulating nor toxic(PBT). This preparation contains no substance considered to be very persistent nor very bioaccumulating(vPvB).

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

| | 14.1 UN number | 14.2 UN proper shipping name | 14.3 Transport hazard class(es) | 14.4 Packing group | 14.5 Environmental hazards |
|-----------|----------------|------------------------------|---------------------------------|--------------------|----------------------------|
| DOT | UN1789 | Hydrochloric acid | 8 | II | NDA |
| TDG | UN1789 | HYDROCHLORIC ACID | 8 | II | NDA |
| IMO/IMDG | UN1789 | Hydrochloric Acid | 8 | II | NDA |
| ADR/RID | UN1789 | Hydrochloric Acid | 8 | II | NDA |
| IATA/ICAO | UN1789 | Hydrochloric Acid | 8 | II | NDA |

14.6 Special precautions for user • None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Not relevant.

14.8 Other information

DOT • According to 49 CFR 172.101 Appendix A Hydrochloric Acid has a reportable quantity of 5000lbs (2270kg).

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Acute

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H314 - Causes severe skin burns and eye damage.
- R34 - Causes burns.

Last Revision Date • 4/March/2015

Preparation Date • 19/June/2013

Disclaimer/Statement of Liability • The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Format

EU CLP/REACH: Language: English (US)
WHMIS, EU CLP, EU DSD/DPD, OSHA HCS 2012

Key to abbreviations

NDA = No data available