Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name
- **Instant Power® Professional Toilet & Urinal Cleaner**

Product Code
- MSDS No.: 8808

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
- Instant Power Corporation

  1255 Viceroy
  Dallas, TX 75247 United
  States
  www.instantpowerpro.com
  sales@instantpowerpro.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 - May cause skin irritation
  H319 - May cause 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 •
May cause severe skin burns and eye damage. - H314
May cause 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/m3 Ceiling	5 ppm Ceiling; 7 mg/m3 Ceiling	5 ppm Ceiling; 7 mg/m3 Ceiling

Exposure Limits/Guidelines (Con't.)		
	Result	United Kingdom
Hydrochloric acid (7647-01-0)	STELs	5 ppm STEL (aerosol mist and gas); 8 mg/m3 STEL (aerosol mist and gas)
	TWAs	1 ppm TWA (aerosol mist and gas); 2 mg/m3 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 not determined		
General Properties			
Boiling Point	Data not determined	Melting Point	Data not determined
Decomposition Temperature	Data not determined	pH	1
Specific Gravity/Relative Density	1.13 Water=1	Water Solubility	Soluble
Solvent Solubility	Data not determined	Viscosity	Data not determined
Explosive Properties	Data not determined	Oxidizing Properties:	Data not determined
Volatility			
Vapor Pressure	Data not determined	Vapor Density	Data not determined
Evaporation Rate	Data not determined		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Data not determined		
Environmental			
Octanol/Water Partition coefficient	Data not determined		

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/m3/1H (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

	OSHA HCS 2012•Serious Eye Damage 1

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)
- May cause irritation to severe skin burns and eye damage.

Chronic (Delayed)
- Repeated or prolonged exposure to corrosive materials may cause dermatitis.

Eye

Acute (Immediate)
- May cause 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 - May cause severe skin burns and eye damage.

R34 - May cause burns.

Last Revision Date • 4/July/2020

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. It is the responsibility of the end user to determine the applicability and use of this material prior to its use. Consult with your HSE officer prior to the use of this or any other product. Always wear the proper PPE when handling chemicals..

Format	EU CLP/REACH: Language: English (US) WHMIS, EU CLP, EU DSD/DPD, OSHA HCS 2012
Key to abbreviations	**NDA = No data available**