



# SAFETY DATA SHEET

Blue Magic

## SECTION 01: IDENTIFICATION

**Product identifier** BLUE MAGIC

**Other means of identification** 1550

**Recommended use** Toilet Bowl & Porcelain Cleaner

**Recommended restrictions** Reserved for industrial and professional use.

**Manufacturer**

**Company name** Crown Chemical Products Inc. **Supplier's Name**

**Address** 6125 Netherhart Road **Supplier's Address**  
Mississauga, L5T 1G5

**Emergency Tel:** (905) 564-0904

## SECTION 02: HAZARD(S) IDENTIFICATION

**Hazard Classification**

Corrosive to metals	Category 1
Acute Toxicity (Oral)	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1
Specific target organ toxicity - single exposure	Category 3 (respiratory system)

### Label elements



### Signal Word

**Danger**

### Hazard Statement

May be corrosive to metals.  
Harmful if swallowed.  
Causes severe skin burns and eye damage.  
May cause respiratory irritation.

### Precautionary Statement

P262: Do not get in eyes, on skin, or on clothing.  
P260 Do not breathe fumes, mist or vapours.  
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P303+361+353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage.  
P403+233: Store in a well ventilated place. Keep container tightly closed.



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## SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration %
Hydrochloric Acid	7647-01-0	5-10
Phosphoric Acid	7664-38-2	3-7

## SECTION 04: FIRST-AID MEASURES

<b>Inhalation</b>	Remove to fresh air. Get medical attention if symptoms occur.
<b>Skin contact</b>	Wash off immediately with plenty of water. Wash clothing before reuse.
<b>Eye</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>Most important symptoms/effects, acute and delayed</b>	See Section 11 for more detailed information on health effects and symptoms.

## SECTION 05: FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	Not flammable or combustible.
<b>Special protective equipment and precautions for firefighters</b>	Wear full protective equipment including a self-contained breathing apparatus. No unusual fire or explosion hazards are anticipated.

## SECTION 06: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.



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## Methods and materials for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Absorb spillage to prevent material damage. Collect as much of the spilled material as possible. Place in a metal container approved for use in transportation by appropriate authorities. Clean up residue with water.

## SECTION 07: HANDLING AND STORAGE

**Precautions for safe handling** Do not ingest. Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapour. Use only with adequate ventilation.

**Conditions for safe storage** Keep away from strong bases. Keep out of reach of children. Store in suitable labeled containers.

## SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits** Overall Product: None established.

Ingredient: Phosphoric Acid  
Agency: ACGIH TLV, Limit Type: TWA: 1 mg/m<sup>3</sup>, STEL: 3 mg/m<sup>3</sup>  
Agency: OSHA PEL, Limit Type: TWA: 1 mg/m<sup>3</sup>, STEL: 3 mg/m<sup>3</sup>  
Agency: NIOSH, Limit Type: TWA: 1 mg/m<sup>3</sup>, STEL: 3 mg/m<sup>3</sup>

Ingredient: Hydrochloric Acid  
Agency: ACGIH CEIL: 2 ppm  
Agency: OSHA CEIL: 7 mg/m<sup>3</sup> (5 ppm)

**Appropriate Engineering Controls** Effective exhaust ventilation system.

**Personal Protective Equipment** Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

**Gloves** vinyl or latex

**Respiratory** Not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Eye** Wear eye protection/face protection.

**Clothing** If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended:  
Apron – Butyl rubber or Neoprene



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## SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

**Odour** Wintergreen odour

**Physical State** Liquid

**Color** Dark blue

**Odour Threshold** No data available.

**pH** Acidic.

**Freezing Point (°C)** No data available.

**Initial Boiling Point (°C)** No data available.

**Flashpoint (°C)** No data available.

**Evaporation Rate** No data available.

**Flammability** No data available

**Lower Explosive Limit** No data available.

**Upper Explosive Limit** No data available.

**Lower Flammability Limit** No data available.

**Upper Flammability Limit** No data available.

**Vapour Pressure (mm)** No data available.

**Vapour Density (Air = 1)** No data available.

**Relative Density** > 1

**Solubility** Soluble

**Partition coefficient (n-octanol/water)** No data available.

## SECTION 10: STABILITY AND REACTIVITY

**Auto Ignition Temp. (°C)** No data available.



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**Decomposition Temperature** No data available.

**Viscosity** No data available.

**Reactivity** Acid may initiate polymerization of organic oxides.

**Chemical Stability** Stable under normal condition.

**Possibility of hazardous reactions** Do not mix with bleach or other chlorinated products - will cause chlorine gas.

**Conditions to avoid** Avoid high temperatures. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation.

**Incompatible Materials** Reacts to most common metals. May react violently with many inorganic materials. Do not mix with oxides.

**Hazardous Decomposition Products** Hydrogen when in contact with metals; hydrogen chloride gas upon heating

## SECTION 11: TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**  Skin Contact  Eye Contact  Ingestion  
 Skin Absorption  Inhalation

### Toxicological Information

Effects Of Exposure To Product

Health Hazard Data:

Eye – Immediate pain, severe burns and serious eye damage.

Skin – Concentrate solution may cause pain and severe burns to the skin.

Ingestion – Harmful if swallowed. Causes digestive tract burns.

Inhalation – May cause respiratory tract irritation. May cause nose, throat, and lung irritation.

Chronic Exposure : Health injuries are not known or expected under normal use.

Symptoms related to the physical, chemical and toxicological characteristics:

Eye contact : Redness, Pain, Corrosion

Skin contact : Redness, Pain, Corrosion

Ingestion : Corrosion, Abdominal pain

Inhalation : Respiratory irritation, Cough

Toxicity

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Skin corrosion/irritation : no data available

Serious eye damage/eye irritation : no data available

Respiratory or skin sensitization : no data available



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Carcinogenicity : no data available  
Reproductive effects : no data available  
Germ cell mutagenicity : no data available  
Teratogenicity : no data available

STOT - single exposure : no data available  
STOT - repeated exposure : no data available  
Aspiration toxicity : no data available

## Numerical Measures Of Toxicity

Hazardous Ingredients	LD <sub>50</sub> /LC <sub>50</sub> Specify Species and Route
Phosphoric Acid	LD50 (Oral, Rat) 1530 mg/kg LD50 (Dermal, Rabbit) 2730 mg/kg LC50 (Inhalation, Rat) >850 mg/m3 (1h)
Hydrochloric Acid	Dermal, Rabbit - LD50 > 5,010 mg/kg Inhalation - Dust, Mist (4 hours (Rats) LC50 1 mg/l Ingestion - Rat - LD50 238 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity** No data available.

**Persistence and degradability** No data available.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available

**Other adverse effects** No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal methods** In accordance with municipal, provincial and federal regulations.

## SECTION 14: TRANSPORT INFORMATION

**UN number** 1789

**TDG Classification** Hydrochloric Acid Class 8



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Packing group II

Special Shipping Instructions Refer to Transportation of Dangerous Goods Regulations.

## SECTION 15: REGULATORY INFORMATION

**Regulatory Information** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

## SECTION 16: OTHER INFORMATION

N/AP = Not Applicable  
N/AV = Not Available  
ACGIH : American Conference of Governmental Industrial Hygienists  
AIHA : American Industrial Hygiene Association  
CMRG : Chemical Manufacturer's Recommended Guidelines  
GHS: Globally Harmonized System  
HPR : Hazardous Products Regulations  
IARC: International Agency for Research on Cancer  
NIOSH: The National Institute for Occupational Safety and Health  
NTP : National Toxicology Program  
OSHA : United States Department of Labor - Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
STEL: Short Term Exposure Limit  
TLV: Threshold Limit Value  
TWA: Time-Weighted-Average

Prepared By: Crown Chemical Products Inc.

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