

Issue Date 18-Feb-2013

Revision Date 23-Mar-2021

Version 1.1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name BIG BLUE JOHN

Other means of identification

Product Code 1015

Recommended use of the chemical and restrictions on use

Recommended use Bowl cleaner and deodorizer.
Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Company Name Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Corrosive to Metals	Category 1

Label elements

Emergency Overview

DANGER

Hazard statements

Causes severe skin burns and eye damage. May be corrosive to metals.



Appearance: Dark blue

Physical state: Liquid

Odor: Mint



Precautionary Statements - Prevention

Do not breathe mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves and eye protection. Keep only in original container.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or physician. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or physician. IN CASE OF SPILL: Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store locked up. Store in corrosive resistant container with a resistant inner liner.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Unknown Acute Toxicity

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS
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CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Hydrochloric Acid	7647-01-0	7-13	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention immediately.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove and discard contact lenses. Seek immediate medical attention/advice.

Inhalation

Remove to fresh air. Get medical attention immediately.

Ingestion

Rinse mouth. Drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Most important symptoms and effect, both acute and delayed**Symptoms**

Corrosive to eyes. Contact will cause irritation and redness to exposed areas. Prolonged contact may even cause severe skin irritation or mild burn. Chronic exposure may cause liver, kidney and/or blood disorders.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray (fog). Carbon dioxide (CO₂). Dry chemical. Foam.

Unsuitable extinguishing media: Not determined.

Specific hazards arising from the chemical

None known.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Collect spillage. Collect in a clean, dry waste container for disposal. Dilute remaining residue with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Keep only in original container. Keep from freezing.

Incompatible materials Acids. Bases. Oxidizing agents. Uncontrolled contact with water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric Acid 7647-01-0	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m ³ Ceiling: 5 ppm Ceiling: 7 mg/m ³	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m ³

Appropriate engineering controls

Engineering Controls Use in well ventilated areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Splash goggles or safety glasses.

Skin and body protection Rubber, Nitrile, PVC, or other chemically resistant skin protection to prevent contact.

Respiratory protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Hazy to clear
Color	Dark blue
Odor	Mint
Odor threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks</u> • <u>Method</u>
pH	<1	
Melting Point/Freezing Point	Not known	
Boiling Point/Boiling Range	100.5 °C / 213 °F	
Flash Point	Not applicable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.04	@ 25 °C (77 °F)
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Keep out of reach of children. Keep from freezing.

Incompatible materials

Acids. Bases. Oxidizing agents. Uncontrolled contact with water.

Hazardous Decomposition Products

When exposed to fire, produces normal products of combustion.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	Avoid breathing vapors or mists.
Eye contact	Causes severe eye damage.
Skin Contact	Causes severe skin burns.
Ingestion	Do not taste or swallow.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Hydrochloric Acid 7647-01-0	= 700 mg/kg (Rat)	>5010 mg/kg (Rabbit)	= 3124 ppm (Rat) 1 h

Information on toxicological effects**Symptoms**

Please see section 4 of this SDS for symptoms

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Carcinogenicity**

Not classifiable as a human carcinogen.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
Hydrochloric Acid 7647-01-0		Group 3		

*ACGIH (American Conference of Governmental Industrial Hygienists)**A3 - Animal Carcinogen**IARC (International Agency for Research on Cancer)**Group 2B - Possibly Carcinogenic to Humans**Group 3 - Not classifiable as a human carcinogen**NTP (National Toxicology Program)**Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**X - Present*

Numerical measures of toxicity - Product Information

Not determined.

Unknown Acute Toxicity

None known.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH	TOXICITY TO MICROORGANISMS	CRUSTACEA
Hydrochloric Acid 7647-01-0	-	282: 96 h <i>Gambusia affinis</i> mg/L LC50 static	-	-

Persistence and degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Gallon containers or larger: UN 3264, Corrosive Liquid, Inorganic, NOS (Containing Hydrochloric Acid), 8, PG II
Quart bottles or smaller: Limited Quantity

IATA**IMDG**

15. REGULATORY INFORMATION

International Inventories

TSCA All ingredients are listed or exempt.

DSL/NDSL All ingredients are listed or exempt.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

CHEMICAL NAME	CAS NO	WEIGHT-%	SARA 313-THRESHOLD VALUES %
Hydrochloric Acid	7647-01-0	7-13	1.0

SARA 311/312 Hazard Categories

Acute health hazard Yes
 Chronic Health Hazard Yes
 Reactive Hazard Yes

CWA (Clean Water Act)

CHEMICAL NAME	CWA-REPORTABLE QUANTITIES	CWA-TOXIC POLLUTANTS	CWA-PRIORITY POLLUTANTS	CWA-HAZARDOUS SUBSTANCES
Hydrochloric Acid 7647-01-0	5000 lb			x

CERCLA

CHEMICAL NAME	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Hydrochloric Acid 7647-01-0	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrochloric Acid 7647-01-0	x	x	x

AZ- Arizona Ambient Air Quality Guidelines
 CT- Connecticut Hazardous Air Pollutants
 CA- California Director's List of Hazardous Substances
 CAP65- California Prop65
 FL- Florida Substances List
 ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminate-Carcinogenic
 MA- Massachusetts Right to Know List
 MN- Minnesota Hazardous Substances List
 NJ- New Jersey Right to Know List
 PA- Pennsylvania Right to Know List
 RI- Rhode Island Hazardous Substances List

16. OTHER INFORMATION

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Revision Note Version 1.1 Updated Section 3.

N/A = Not Applicable; N/D = Not Determined

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet