

SAFETY DATA SHEET
623: CONCENTRATE

Conforms to 1910.1200
Issued: July 10, 2017

CHLORO-9 BLUE™

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Chloro-9 Blue **Product Number:** 623
Recommended Use: Disinfectant Bowl Cleaner
Concentrate - dilute prior to use.
Product intended for commercial and industrial use only.
Uses Advised Against: Other than per labelled instructions
EPA Registration Number: 10324-158-41567

Supplier Address:

Amano Pioneer Eclipse Corporation
P.O. Box 909
1 Eclipse Road
Sparta, NC 28675
Telephone: 1-336-372-8080
Email: sds@pioneereclipse.com
Internet: www.pioneereclipse.com

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

2: HAZARDS IDENTIFICATION

Classification: Eye Damage - Category 1
Skin Corrosive - Category 1
Corrosive to Metals - Category 1

Signal Word: DANGER

Pictogram:

Hazard Statements:

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

Precautionary Statements:

Do not breathe mist/vapours/spray.
Wash thoroughly after handling.
Wear protective gloves and eye protection.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a POISON CENTER or doctor/physician if you feel unwell.
Wash contaminated clothing before reuse.
Store locked up.
Keep only in original container.
Store in corrosive resistant container with a resistant inner liner
Absorb spillage to prevent material damage.
Dispose of contents/container according to local, regional and national regulations.

Other Hazards: None known

Supplemental Information: None known



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3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
hydrochloric acid	7647-01-0	5 - 10
amines, tallow alkyl, ethoxylated	61791-26-2	1 - 5
nonylphenol, ethoxylated	9016-45-9	< 0.5
didecyl dimethyl ammonium chloride	7173-51-5	0.06
alkyl (50%-C14, 40%-C12, 10%-C16) dimethyl benzyl ammonium chloride	68424-85-1	0.04

* Exact concentration of the ingredients has been withheld as a trade secret.

4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eye with plenty of water for at least 15 minutes. (If easy to do, remove contact lenses, if worn). Seek medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention.

Inhalation: If breathing is difficult. Remove subject to fresh air. Seek medical attention immediately.

Ingestion: Call a physician or poison control center. Rinse mouth with water. Do not induce vomiting. Seek medical advice immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: Causes eye burns.

Skin Contact: Causes skin burns.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion: May cause burns to mouth, throat and stomach. Harmful if swallowed.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media: Water spray, CO₂, dry chemical, alcohol-type or universal type foams

Specific Hazards: Corrosive liquid. (See Sections 8 and 10) In case of fire: the following can be released: carbon oxides, nitrogen oxides and hydrogen chlorides. Do not spray a solid stream of water or foam directly in hot liquid. This may cause frothing.

Protective Equipment and Precautions: Fire fighters should wear NIOSH approved breathing apparatus. Materials can splatter above 100° C / 212° F. Cool fire-exposed containers with water spray.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

Environment Precautions: Keep spills and cleaning run-off out of sewers and open bodies of water.

CONTAINMENT AND CLEAN-UP

Small Spills: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

Large Spills: Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.

Waste Disposal: Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use in well-ventilated areas. Avoid breathing vapors or mists. Remove and wash contaminated clothing and footwear before re-use.



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Conditions for Safe Storage: Storage temperature (Max. 50°C/120°F - Min. 10°C/49°F). Store in original container. Unsuitable material for receptacle: aluminium and steel. Store away from food stuffs. Store away from oxidizing agents.

Other Information: Do not contaminate water, food or feed by storage or disposal. Keep container sealed when not in use. Keep out of reach of children.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
hydrochloric acid	7647-01-0	N/L	2 ppm (ceiling)	N/L	5 ppm (ceiling)

Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety eyewear is recommended, to avoid chemical splashes and mists.

Skin Protection: Chemical resistant gloves are recommended.

Respiratory Protection: Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.

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

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: dark blue liquid
Odor: pleasant
Odor Threshold: data not available
pH: < 2.0
Freezing Point: data not available
Boiling Point: 212°F / 100°C
Flash Point: >200°F / >93°C
Evaporation Rate: data not available
Flammability (solid/gas): not applicable to liquids
Flammability limits: data not available
Vapor Pressure: data not available
Vapor Density: data not available
Relative Density: 8.7 lb/gal @ 68°F / 1.04 kg/l @ 20°C
Solubility: miscible in water
Partition Coefficient: data not available
Auto Ignition temperature: data not available
Decomposition Temperature: data not available
Viscosity: data not available
VOC: data not available

10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Stability: Stable under normal conditions.

Hazardous reactions: Reacts with alkali and metals, strong oxidizing agents and amines. Corrosive action on metals.

Conditions to avoid: Warning! Avoid contact with bleach or other chlorinated products. Avoid contact with alkalis.

Incompatible materials: Anionic surfactants, metals, strong bases. Do not mix with other chemicals unless stated on the

Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride



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11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Toxicity testing has not been completed on the mixture.

ATE_{mix} (oral) - > 2000 mg/kg

ATE_{mix} (dermal) - > 2000 mg/kg

LOCAL EFFECTS

Skin contact: Can cause skin burns.

Eye contact: Can cause eye damage.

Sensitization: None expected

Chronic effects: None expected

SPECIFIC EFFECTS

Carcinogenicity: None known

Reproductive effects: None known

Teratogenicity: None known

Mutagenicity: None known

COMPONENT INFORMATION

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC ₅₀ Inhalation-Rat (mg/l)
hydrochloric acid	700	>5010	3124
amines, tallow alkyl, ethoxylated	1000 - 2000	N/A	N/A
alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	344	3,340	N/A

Carcinogenicity: Components are not known to be listed as carcinogens. (IARC, NTP, OSHA)

12: ECOLOGICAL INFORMATION

Ecotoxicity: Ecological testing has not been completed on the mixture.

Persistence and Degradability: Data not available.

Bioaccumulative Potential: Not bioaccumulation is to be expected (log Pow ≤ 4)

Mobility in Soil: Data not available.

Other Adverse Effects: Harmful to aquatic life with long lasting effects.

13: DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by storage or disposal.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Disposal: Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

14: TRANSPORT INFORMATION

UN Number: UN3264

UN Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric Acid)

Hazard Class: 8

Packing Group: III



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Marine Pollutant:	No
Transport in Bulk:	N/A
Other Information:	Package volumes <5 L each are shipped as Limited Quantity; as permitted by hazard class and quantity exemption.

15: REGULATORY INFORMATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide product chemicals.

Following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS: KEEP OUT OF REACH OF CHILDREN.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: DANGER. Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Harmful if absorbed through the skin or inhaled. Avoid breathing spray mist. Do not get into eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

GENERAL PRECAUTION AND RESTRICTIONS: DO NOT MIX WITH CHLORINE, BLEACH, AMMONIA CLEANERS OR OTHER HOUSEHOLD CHEMICALS.

PHYSICAL OR CHEMICAL HAZARDS: Do not mix with oxidizers, anionic soaps and detergents.

NEVER USE WITH CHLORINE PRODUCTS. Can react to give chlorine gas. If this occurs, flush toilet to remove chemicals and leave the area. Do not return for half an hour. Ventilate if possible. Never use or mix with other cleaners or chemicals. Do not use on any surface that can be damaged by acidic materials. Many surfaces are not resistant to acid.

FIRST AID: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **IF INHALED:** Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

U.S. REGULATIONS/REPORTING:

Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
hydrochloric acid	7647-01-0	500 TPQ	Listed	5000 RQ

STATE RIGHT-TO-KNOW STATUS:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
hydrochloric acid	7647-01-0	present	present	present	present

CALIFORNIA PROPOSITION 65: Components are not present on CA Prop 65 listing.

16: OTHER INFORMATION

Abbreviations Used:

N/A - Not Applicable
N/E - Not Established
N/L - Not Listed

Revision Information:

July 10, 2017 - SDS issue

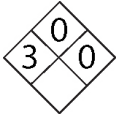


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Health: 3
Flammability: 0
Reactivity: 0

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This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

****IMPORTANT SAFETY INFORMATION**DO NOT DISCARD**PLEASE ROUTE TO COMPANY SAFETY OFFICER****