



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name 9% CLINGING BOWLAIDE
Product number 201029
Revision date 11-Feb-2008
Company information Brulin & Company, Inc.
 P.O. Box 270
 Indianapolis, IN 46206 US
 www.Brulin.com
Emergency CHEMTREC 1-800-424-9300
General information Phone: 317-923-3211
 Fax: 317-925-4596

2. Hazards Identification

Emergency overview Causes skin and eye burns. Toxic by inhalation. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Potential short term health effects
Eyes This product causes eye burns. Avoid contact with eyes.
Skin Causes skin burns. Avoid contact with the skin.
Inhalation Toxic by inhalation. Do not breathe vapor.
Ingestion This product may be harmful or fatal if swallowed. Do not ingest.

3. Composition / Information on Ingredients

Hazardous component(s)	CAS #	Percent
Hydrogen chloride	7647-01-0	< 10

4. First Aid Measures

First aid procedures
Eye contact After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
Skin contact Immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.
Inhalation Move to fresh air. If symptoms persist, get medical attention.
Ingestion If material is ingested, immediately contact a physician or poison control center. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
General advice In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Fire Fighting Measures

Flammable properties None known.
Extinguishing media
Suitable extinguishing media Use methods for the surrounding fire.

6. Accidental Release Measures

Personal precautions Ensure adequate ventilation. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

9% CLINGING BOWLAIDE

Product number: 201029

Methods for cleaning up Never return spills in original containers for re-use. Soak up with inert absorbent material and dispose of as hazardous waste. Clean contaminated surface thoroughly.

7. Handling and Storage

Handling Do not breathe gas/fumes/vapor/spray. Do not get this material in your eyes, on your skin, or on your clothing. Handle and open container with care.

Storage Keep container tightly closed. Keep the container dry. Store in cool place. Keep in a well-ventilated place. Keep out of the reach of children. Keep this material away from food, drink and animal feed.

8. Exposure Controls / Personal Protection

Exposure guidelines

ACGIH - Threshold Limits Values - Ceilings (TLV-C)

Hydrogen chloride 7647-01-0 2 Ppm Ceiling

ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Hydrogen chloride 7647-01-0 upper respiratory tract irritation

U.S. - OSHA - Final PELs - Ceiling Limits

Hydrogen chloride 7647-01-0 5 Ppm Ceiling; 7 mg/m³ Ceiling

Engineering controls Use local exhaust ventilation.

Personal protective equipment

Eye / face protection Avoid contact with the skin and the eyes. Wear chemical goggles. or Face-shield.

Skin protection Avoid contact with the skin. Latex gloves. or Neoprene gloves.

Respiratory protection No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

9. Physical & Chemical Properties

Appearance Not available

Color blue green

Form Liquid.

Odor mint

Odor threshold Not available

pH < 1

Freezing point Not available

Boiling point 212 °F

Flash point Not available

Flammability limits in air, lower, % by volume Not available

Flammability limits in air, upper, % by volume Not available

Vapor pressure Not available

Vapor density Not available

Specific gravity 1.047

Solubility (H₂O) 100 %

VOC (Weight %) < 0.2 %

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions.

Conditions to avoid None known.

Incompatible materials liquid Chlorine. Warning! Do not use together with other products. May release dangerous gases (chlorine).

Hazardous decomposition products Irritating and/or toxic fumes and gases may be emitted upon the products decomposition. Chlorine. Toxic gas.

9% CLINGING BOWLAIDE

Product number: 201029

Possibility of hazardous reactions Will not occur.

11. Toxicological Information

Acute effects Acute LD50: 7778 mg/kg, Rat, Oral
Acute LD50: 55667 mg/kg, Rat, Dermal
Acute LC50: 34711 mg/l/4h, Rat, Inhalation
Causes burns.

Local effects Very toxic by inhalation, in contact with skin and if swallowed. Toxic by inhalation.

Chronic effects Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.

12. Ecological Information

Ecotoxicity Components of this product are hazardous to aquatic life. Components of this product have been identified as having potential environmental concerns.

13. Disposal Considerations

Waste codes D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]

Disposal instructions Dispose in accordance with all applicable regulations.

14. Transport Information

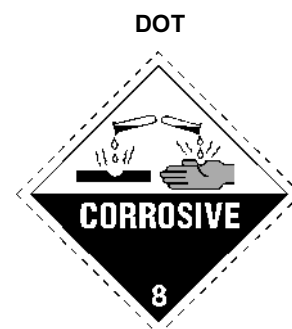
Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name Hydrochloric acid
Hazard class 8
UN number UN1789
Packaging group III

Additional information:

Special provisions A3, IB3, T4, TP1, TP12
Packaging exceptions 154
Packaging non bulk 203
Packaging bulk 241
ERG number 157



Department of Transportation (DOT) Requirements NON-BULK

Basic shipping requirements:

Proper shipping name Hydrochloric acid
Hazard class 8
UN number UN1789
Packaging group III

Additional information:

Special provisions A3, IB3, T4, TP1, TP12
Packaging exceptions 154
Packaging non bulk 203
Packaging bulk 241



9% CLINGING BOWLAIDE

Product number: 201029

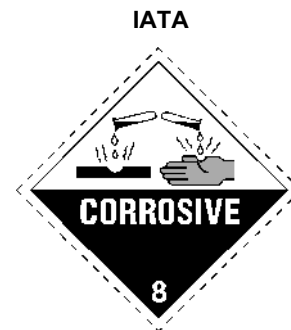
IATA

Basic shipping requirements:

Proper shipping name	Hydrochloric acid
Hazard class	8
UN number	UN1789
Packaging group	III

Additional information:

Packaging exceptions	154
----------------------	-----



IMDG

Basic shipping requirements:

Proper shipping name	HYDROCHLORIC ACID
Hazard class	8
UN number	UN1789
Packaging group	III

Additional information:

Packaging exceptions	154
----------------------	-----



15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Hydrogen chloride	7647-01-0	1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)
-------------------	-----------	---

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical	Yes
-------------------------------------	-----

CERCLA (Superfund) reportable quantity

9% CLINGING BOWLAIDE: 55500.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
-------------------	--

Section 302 extremely hazardous substance	No
---	----

Section 311 hazardous chemical	Yes
--------------------------------	-----

International regulations

The product is classified and labelled in accordance with EC directives or respective national laws.

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

9% CLINGING BOWLAIDE

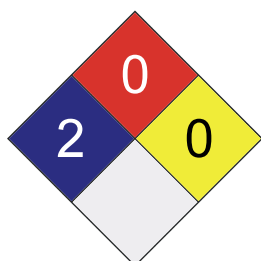
Product number: 201029

16. Other Information

HMIS rating

Health	* 2
Flammability	0
Physical Hazard	0
Personal Protection	B

NFPA codes



Prepared date

11-Feb-2008 08:30:32

Superseded date

06-Feb-2008 13:14:23

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 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.