



Section 1 - Identification

Product Name: CPL 2850
Alternate Name: Neutralizing Amine Cyclohexylamine
Recommended Use: Boiler water treatment
Manufacturer: Chem Pro Laboratory, Inc., 941 W 190th St, Gardena CA 90248, 310-532-8611
ChemTrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

DANGER



Harmful if swallowed
Toxic in contact with skin
Suspected of damaging fertility or the unborn child
Flammable liquid and vapor
Causes severe skin burns and serious eye damage

Do not breathe dusts or mists.

Do not eat, drink or smoke when using this product.

Keep away from sparks and open flames. No smoking. Ground container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Wash contacted areas thoroughly after handling.

Wear eye and face protection, protective gloves and clothing, and protective gloves.

IF EXPOSED OR CONCERNED: Get medical advice/attention.

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.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Call a poison center or doctor if you feel unwell. Take off immediately all contaminated clothing. Wash skin with plenty of water. Wash contaminated clothing before reuse.

IF SWALLOWED: Immediately call a poison center or doctor. Rinse mouth. Do NOT induce vomiting.

IN CASE OF FIRE: Use water spray, carbon dioxide, dry chemical, or appropriate foam to extinguish.

Store locked up, in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with federal, state, and local regulations.

Section 3 - Composition/information on ingredients

Chemical Name	CAS Number	Percent
cyclohexylamine	108-91-8	30-40%



Section 4 - First-aid measures

Emergency and First Aid Procedures:

Inhalation	Remove to fresh air. Obtain medical assistance immediately.
Eye Contact	Flush eyes with water for 15 minutes. Get medical attention.
Skin Contact	Wash contaminated areas of body with soap and water. Discard contaminated clothing.
Ingestion	Do not induce vomiting. Obtain medical assistance immediately. Call 911 or Poison control.

Symptoms of Overexposure:

Inhalation	Inhalation of high concentrations of vapor may produce irritation of respiratory tract and lungs.
Contact with Skin or Eyes	Skin contact moderately toxic. Skin (RBT) LD50: 320 mg/kg. May cause chemical burns in eyes and skin. Damage irreversible.
Absorption Through Skin	Can be absorbed. See skin contact.
Ingestion	Moderately toxic. Oral (rat) LD50: 400 mg/kg.

Section 5 - Fire-fighting measures

Extinguishing Media	water spray, carbon dioxide, dry chemical, or appropriate foam
Fire Fighting Procedure	Protective clothing, boots, and face shield.
Unusual Fire/Explosion Hazard	Vapor may form explosive mixture in air. Emits toxic nitrogen oxides, ammonia, and carbon monoxide when heated or burned.
Hazardous Combustion Products	Oxides of nitrogen (NOx), oxides of carbon

Section 6 - Accidental release measures

Spill Response Procedure	Confine spilled material to prevent contamination.
---------------------------------	--

Section 7 - Handling and storage

Handling Precautions	No special handling procedures are required.
Storage Conditions	Store in a cool dry place. Keep container tightly sealed in a dry and ventilated area. Do not store unopened containers in direct sunlight for extended periods.

Section 8 - Exposure controls/personal protection

Chemical Name	OSHA PEL	ACGIH TLV
cyclohexylamine	not listed	10 ppm TWA
Ventilation	Local and mechanical (general) exhaust required.	
Respiratory Protection	Gas mask suitable for ammonia vapor.	
Protective Gloves	Clean neoprene rubber gloves.	
Eye Protection	Face shield or chemical splash goggles.	
Other Protective Equipment	Impervious clothing to protect exposed body areas.	
Work / Hygienic Practices	Safety showers and eyewash facilities required. Explosion proof transfer pumps.	

Section 9 - Physical and chemical properties

Appearance	Liquid, colorless to light amber.	Vapor Pressure @20°C	150 mm Hg @ 100 deg F
-------------------	-----------------------------------	-----------------------------	-----------------------



Odor	Characteristic amine odor	Vapor Density	1
Odor Threshold	Not Determined	Specific Gravity	0.9-1.0
pH	10-11	Solubility in Water	100%
Melting Point, °F	-15 deg C	Partition Coefficient	Not Determined
Boiling Point, °F	270 deg F	Auto Ignition Temp, °F	No specific information
Flash Point, °F	125 deg F	Decomposition Temp, °F	Not Determined
Evaporation Rate	1	Viscosity	Not Determined
Flammability Limits	Not Determined	Percent Volatile	100%

Section 10 - Stability and reactivity

Reactivity	not reactive in water
Stability	stable under normal conditions
Conditions to Avoid	Avoid contact with mineral acids, copper, brass, open flames, and oxidizing materials.
Incompatible Materials	Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products	Oxides of carbon and nitrogen may form in burning. Ammonia and hydrogen on reaction.
Hazardous Polymerization	Hazardous polymerization will not occur.

Section 11 - Toxicological information

Routes of Entry	inhalation, skin or eye contact, ingestion
Acute Exposure Symptoms	Skin sensitizer, nausea, and vomiting. Caustic to skin and mucous membranes.
Chronic Exposure Effects	Damage to liver, lungs and kidneys, blood and blood forming organs.
Medical Conditions Aggravated By Exposure	

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
cyclohexylamine	108-91-8	303 mg/kg	631-1000 mg/kg	>39.2 mg/L

Carcinogenicity:

Ingredients are on the following lists of suspected or known carcinogens:

Chemical Name	CAS Number:	IARC	NTP	OSHA
cyclohexylamine	108-91-8	No	No	No

Section 12 - Ecological information

Overview: No data

Section 13 - Disposal considerations

Preparing Waste For Disposal Biological treatment or incineration is an effective disposal method. Method must be approved by local, state, and/or federal agency.

Section 14 - Transport information

DOT Shipping UN1760, CORROSIVE LIQUID, N.O.S., 8, PG II, (CYCLOHEXYLAMINE)



Section 15 - Regulatory information

California Proposition 65 This product does not contain chemicals listed by California proposition 65.
HMIS Ratings Health: 2, Flammability: 0, Reactivity: 1

Section 16 - Other information

Date Prepared 5/21/2015
Preparer Michael Bortnik

The data in this Safety Data Sheet is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, Chem Pro Laboratory, Inc. **MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON.** User should have relative technical skills and satisfy himself that he has all current data relevant to his particular product and its applications.