

# Material Safety Data Sheet

## Section I

CLI Part #: 1051/1071  
CLI Description: Aromatic Amine Decontamination Solution  
Synonyms: CLI Aromatic Amine Decontamination Solution  
Manufacturer: Colormetric Laboratories, Inc.  
Emergency phone: 847-803-3737  
Address: 1261A Rand Road  
City, State, Zip: Des Plaines, IL 60016  
MSDS prepared by: Colormetric Laboratories, Inc.  
Date prepared: June 2005

## Section II. Hazardous Ingredients/Identity Information

Trade Name: **CLI Aromatic Amine Decontamination Solution**

<u>Ingredient Name</u>	<u>CAS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>%</u>
Glutaraldehyde (1,5 pentanedial)	111-30-8		0.2 ppm	0.6

## Section III. Chemical Characteristics

Boiling point	97°C	Weight per gallon	9.5 lbs
Melting point	-2°C	pH	
Freezing point	0°C	Conc.	
Specific gravity (H <sub>2</sub> O = 1)	1.03	Vapor density (air = 1)	3.5
Percent volatile by volume		Vapor pressure	15 mmHg@ 20°C
Theoretical VOC		Density	
Evaporation rate		Reactivity in water	

Page 2  
Aromatic Amine Decontamination Solution

Solubility in water: miscible  
Appearance and odor: pale yellow with slight lemon odor

**Section IV.** Fire and Explosion Hazard Data

Flash point                      None

Method

Flammable limits              Upper  
In air (%)                        Lower

Auto-ignition temp.

HMIS codes:                    Health  
                                      Flammability  
                                      Reactivity  
                                      Protection

Extinguisher media:    compatible with water spray

Special fire fighting procedures: wear self-contained breathing apparatus

Unusual Fire and Explosion Hazards: emits toxic fumes under fire conditions

**Section V.** Reactivity Data

Is this chemical stable under normal conditions of handling/storage (Y/N)? Yes  
Conditions to avoid regarding stability: avoid freezing, may discolor upon exposure to air  
Incompatibility (materials to avoid): strong oxidizing agents  
Hazardous decomposition products: toxic fumes of carbon monoxide and carbon dioxide  
Hazardous polymerization possible (Y/N)? NO  
Conditions to avoid (regarding polymerization):

**Section VI.** Health Hazards

Routes of entry: inhalation, skin, ingestion  
Signs and symptoms of acute exposure: irritation effects noted at 0.3 ppm  
Chronic overexposure:  
Chemical listed as a carcinogen or potential carcinogen: non noted  
National Toxicology Program                      IARC Monographs                      OSHA  
Page 3  
Aromatic Amine Decontamination Solution

YES, pro-chronic studies Test 7/1989                      (Y/N)                      (Y/N)  
Medical conditions generally aggravated by exposure: may cause breathing difficulty in sensitive individuals

**Emergency and First Aid Procedures**

**Emergency telephone number of manufacturer: 847-803-3737**

1. Inhalation: remove to fresh air
2. Eye contact: flush with copius amounts of water
3. Skin contact: flush with copius amounts of water
4. Ingestion: consult a physician

**Section VII.** Precautions for Safe Handling and Use

Hazard class  
US DOT I.D.  
UN/NA number

Precautions to be taken in handling and storage: store upright at room temperature

Other precautions: protect from freezing

Steps to be taken in case material is released or spilled: mop up spill, rinse with water

**Section VIII.** Control Measures

Respiratory protection: wear approved respirator if vapor is irritating

Ventilation requirements:

Local exhaust recommended

Mechanical

Special