

# Material Safety Data Sheet

## Section I

CLI Part #: 1041/1061  
CLI Description: Cleaning/Developing Solution  
Synonyms: CLI Aromatic Amine Cleaning/Developing 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: December 2001

## Section II. Hazardous Ingredients/Identity Information

Trade Name: Colormetric Laboratories Aromatic Amine Cleaning/Developing Solution

<u>Ingredient Name</u>	<u>CAS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>%</u>
2-butoxy ethanol	111-76-2 50 ppm	25 ppm		<5

## Section III. Chemical Characteristics

Boiling point: approx. 97 C	Weight per gallon: 9.5 lbs
Melting point: -4 C	pH: 4.0
Freezing point: -4 C	Conc.:
Specific gravity: 1.04 (H <sub>2</sub> O = 1)	Vapor density: 1.3 (air = 1)
Percent volatile: by volume	Vapor pressure: 30 mmHg
Theoretical VOC:	Density:
Evaporation rate: N/A	Reactivity in water: N/A
Solubility in water: miscible	Appearance and odor: transparent green color and saffras 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 protective clothing and breathing equipment appropriate for surrounding fire.  
Unusual Fire and Explosion Hazards: none

## Section V. Reactivity Data

Is this chemical stable under normal conditions of handling/storage (Y/N)? Yes  
Conditions to avoid regarding stability: protect from freezing

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Incompatibility (materials to avoid): alkaline  
Hazardous decomposition products: none  
Hazardous polymerization possible (Y/N)? No  
Conditions to avoid (regarding polymerization): N/A

### Section VI. Health Hazards

Routes of entry: inhalation, skin, ingestion  
Signs and symptoms of acute exposure: may cause temporary irritation in sensitive individuals  
Chronic overexposure: repeated exposure may lead to irritation  
Chemical listed as a carcinogen or potential carcinogen:  
National Toxicology Program IARC Monographs OSHA  
(Y/N) No (Y/N) No (Y/N) No  
Medical conditions generally aggravated by exposure:

### Emergency and First Aid Procedures

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

1. Inhalation: remove to fresh air
2. Eye contact: flush with water
3. Skin contact: wash off with water
4. Ingestion: drink water, if stomach upset occurs 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:  
Steps to be taken in case material is released or spilled: vacuum or mop up spill

### Section VIII. Control Measures

Respiratory protection: none necessary  
Ventilation requirements:  
Local exhaust: acceptable  
Mechanical:  
Special:  
Protective gloves: yes  
Eye protection: chemical splash goggles  
Other protective clothing or equipment: none necessary  
Waste disposal: non-hazardous waste; wash down drain with copious amounts of water