

Safety Data Sheet

Aromatic Amine Decontamination Solution

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Aromatic Amine Decontamination Solution
OTHER/GENERIC NAMES: CLI Aromatic Amine Decon Solution
PART NUMBER: 1051 (gallon) / 1071 (22 oz.)

PRODUCT USE: Decontamination solution for Aromatic Amine compounds

MANUFACTURER: Colormetric Laboratories, Inc. (CLI)
1261A Rand Road
Des Plaines, IL 60016

FOR MORE INFORMATION CALL:
(Monday-Friday, 9:00am-4:00pm)
1-847-803-3737
1-847-803-3739 (fax)
Email: clilabs@clilabs.com

IN CASE OF EMERGENCY CALL:
(24 Hours/Day, 7 Days/Week)
1-800-424-9300 (CHEMTREC)

2. HAZARD(S) IDENTIFICATION

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

DANGER



EMERGENCY OVERVIEW: This product is a pale yellow liquid. Has a slight lemon odor. The product may cause skin and eye irritation. Repeated exposure may lead to irritation. Can cause dermatitis, asthma, nausea, vomiting, and a cough.

ROUTES OF ENTRY: Inhalation, Ingestion, Skin and/or Eye contact

POTENTIAL HEALTH EFFECTS

SKIN CONTACT: May cause irritation and/or dermatitis

EYE CONTACT: May cause irritation and redness

INGESTION: May be harmful if swallowed

INHALATION: Mild irritation

ACUTE HEALTH HAZARDS: Irritating to eyes, skin, nose and throat; skin sensitization and contact dermatitis; respiratory sensitization;

TARGET ORGANS: Eyes, skin, respiratory system

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No ingredients are listed by OSHA, IARC, or NTP, EPA as known or suspected carcinogens

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>	<u>Hazardous</u>	<u>OSHA PEL (ppm)</u>	<u>ACGIH TLV (ppm)</u>
Glutaraldehyde (1,5-pentanedial)	0.6%	111-30-8	No	0.05 ppm	0.05 ppm

4. FIRST-AID MEASURES

SKIN CONTACT: Wash off with soap and water. Wash contaminated clothing before re-use.

EYE CONTACT: Flush with plenty of water

INGESTION: Seek medical attention immediately

INHALATION: Remove to fresh air

ADVICE TO PHYSICIAN: Treat symptomatically

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLAMMABILITY OF PRODUCT: Non-flammable

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable

UPPER FLAME LIMIT: Not applicable

LOWER FLAME LIMIT: Not applicable

HMIS HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 1

PROTECTION: 1

EXTINGUISHING MEDIA:

Compatible with water spray

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus

HAZARDOUS DECOMPOSITION PRODUCTS:

Toxic fumes of carbon monoxide & carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE:

Containment Procedures: Use personal protective equipment. Ensure adequate ventilation.

Cleanup Procedures: Mop up spill (non-hazardous). Rinse with copious amounts of water. Consult state and federal EPA requirements.

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7. HANDLING AND STORAGE

RECOMMENDED STORING CONDITIONS:

Stable under normal room-temperature conditions. Protect from freezing.

SHELF LIFE:

Indefinite

HANDLING:

Avoid contact with eyes, skin and clothing. Do not swallow. Use with adequate ventilation. Avoid breathing vapors. Wear approved respirator if vapor is irritating. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Local exhaust ventilation is recommended to effectively remove and prevent build-up of vapors.

VENTILATION: Local exhaust acceptable

RESPIRATORY PROTECTION: Wear approved respirator if vapor is irritating

EYE PROTECTION: Use chemical splash goggles

SKIN PROTECTION: Gloves chemically resistant to this material are recommended

OTHER PROTECTIVE EQUIPMENT: None necessary

EXPOSURE GUIDELINES

NIOSH:	0.2 ppm REL (0.8 mg/m ³)
OSHA:	0.05 ppm PEL (0.2 mg/m ³)
ACGIH:	0.05 ppm TLV (0.2 mg/m ³)

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Pale yellow color
PHYSICAL STATE:	Liquid
MOLECULAR WEIGHT:	Not applicable
CHEMICAL FORMULA:	Not applicable
ODOR:	Slight lemon odor
SPECIFIC GRAVITY (water = 1.0)	1.03
pH:	Not available
SOLUBILITY IN WATER (weight %):	Miscible
BOILING POINT:	97°C
MELTING POINT:	-9°C
VAPOR PRESSURE:	15 mm Hg at 20°C
VAPOR DENSITY (air = 1.0):	3.5
EVAPORATION RATE:	Not available
PERCENT VOLATILES:	Not applicable
FLASH POINT:	None

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

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Thermally stable at typical use temperatures

INCOMPATIBILITIES:

Strong oxidizers, strong bases

HAZARDOUS DECOMPOSITION PRODUCTS:

Toxic carbon monoxide & carbon dioxide fumes

HAZARDOUS POLYMERIZATION:

None

CONDITIONS TO AVOID (POLYMERIZATION):

Not applicable

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA

Acute oral toxicity: Glutaraldehyde – LD50 rat: 134 mg/kg

Acute inhalation toxicity: Glutaraldehyde – LD50 rat: 480 mg/m³ / 4 hr

Acute dermal toxicity: Glutaraldehyde – >2,500 mg/kg

Carcinogenic effects:

IARC Carcinogen List: Not listed

NTP Carcinogen List: Not listed

ACGIH Carcinogen List: A4 (not classifiable for human or animal)

12. ECOLOGICAL INFORMATION

Overview: Severe ecological hazard. This product may be toxic to plants and/or wildlife.

Mobility: No data

Persistence: No data

Bioaccumulation: No data

Degradability: No data

Other Adverse Effects: No data

Chemical Name	CAS Number	Eco Toxicity
Water	7732-18-5	No data available
Glutaraldehyde	111-30-8 96	HR LC50 PIMEPHALES PROMELAS 5.4 MG/L [STATIC] 48 HR EC50 DAPHNIA MAGNA 14 MG/L 96 HR EC50 DESMODESMUS SUBSPICATUS 0.84 MG/L 72 HR EC50 DESMODESMUS SUBSPICATUS 0.61 MG/L

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Waste Disposal Code(s): Not Determined

14. TRANSPORT INFORMATION

Ground - DOT Proper Shipping Name:

UN2922, DOT Proper Shipping Name: Corrosive liquids, toxic, n.o.s. (Glutaraldehyde), 8, II

Labels: Corrosive, toxic

Air - IATA Proper Shipping Name:

Hazard class: 8 Packing group: II ID number: UN 2922 Hazard label: 8, 6.1 Proper shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (contains GLUTARALDEHYDE)

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15. REGULATORY INFORMATION

TSCA Status:

All components in this product are on the TSCA Inventory.

Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
No data available		No	No	No	No	No

16. ADDITIONAL INFORMATION

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstract Service Number	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
DOT	U.S. Department of Transportation	ppm	Parts per million
IARC	International Agency for Research on Cancer	RCRA	Resource Conservation and Recovery Act
N/A	Not Available	SARA	Superfund Amendments and Reauthorization Act
		TLV	Threshold Limit Value
		TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health

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Questions about the information found on this (M)SDS should be directed to:

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