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GraphLine Inc.[®]

MATERIAL SAFETY DATA SHEET

IN CASE OF TRANSPORTATION EMERGENCY (Spill, Leak, Fire, Exposure, Accident)
Call CHEMTREC 1-800-424-9300 (24 Hour)

SECTION 1: IDENTIFICATION

Name: Colorlok Silverplate Activator

Revision 1/4/2007

Product Number 555329400

Size 5 liter

Formula Aqueous Alkaline Solution

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>C.A.S. #</u>	<u>INGREDIENTS</u>	<u>%</u>
111-41-1	AMINO-ETHYLETHANOLAMINE	1- 5
1310-58-3	POTASSIUM HYDROXIDE	1- 5
7732-18-5	Water	80- 95

<u>EXPOSURE LIMITS</u>	<u>OSHA</u>		<u>ACGIH</u>		<u>CANADA</u>	
	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>
AMINO-ETHYLETHANOLAMINE	None	None	None	None	None	None
POTASSIUM HYDROXIDE	2 mg/m3	None	None	None	None	None
Water	None	None	None	None	None	None

Source of Exposure Limit Data:

OSHA: Occupational Safety and Health Administration

ACGIH: American Conference of Governmental Industrial Hygienists

CANADA: Province of Alberta's Occupational and Health and Safety Act.

ADDITIONAL EXPOSURE INFORMATION

<u>CAS. NUMBER</u>	<u>SKIN DESIGNATION *</u>			<u>CARCINOGENS</u>			<u>PRIMARY HAZARD</u>	<u>IDLH (ppm)</u>
	<u>OSHA</u>	<u>ACGIH</u>	<u>CANADA</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>		
111-41-1	No	No	No	No	No	No	Not classified	None
1310-58-3	No	No	No	No	No	No	Sensory Irritation	None
7732-18-5	No	No	No	No	No	No	Not classified	None

* For substances designated as a 'Skin' hazard, protective measures are recommended to prevent or reduce skin absorption. These measures may include the use of gloves, aprons, goggles or other equipment, as well as engineering controls or work practices.

SECTION 3: HAZARDS IDENTIFICATION

EYES CONTACT:

May cause severe eye irritation and burning: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

May cause severe skin irritation and burning: signs/symptoms can include redness, swelling, itching, and dryness.

INHALATION:

Normally not a problem, but inhalation of mists could cause respiratory irritation. Asthmatics and sensitive individuals may experience a reaction to low levels of Sulfur Dioxide.

INGESTION:

May cause severe irritation or burning of the mucous membranes or digestive tract. Sulfite sensitive individuals may experience an allergic reaction.

ABBREVIATIONS: N/D= Not Determined - N/A= Not Applicable - N/E=Not Established

H.M.I.S. CODES: HEALTH: 3 FIRE: 0 REACTIVITY: 0 PROTECTION: B

SECTION 4: FIRST AID MEASURES

EYE CONTACT:

Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Contact physician immediately.(preferably an ophthalmologist)

SKIN CONTACT:

Rinse with copious amounts of water and/or wash with soap and water for at least 15 minutes. If irritation occurs, contact physician.

INHALATION:

Remove victims to fresh air, if not breathing, have certified person administer CPR. Contact physician immediately.

INGESTION:

Administer 2-4 glasses milk or water. Contact physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Flash point (F) : N/A FLAMMABILITY LEL- N/A UEL- N/A

Extinguishing media: Use appropriate agent for surrounding fire.

Special fire fighting procedures :

Self contained breathing apparatus with full face shield and protective clothing should be worn in fighting fires involving chemicals.

Unusual fire and explosion hazards :

When heated to decomposition emission of toxic SO₂ is possible.

NATIONAL FIRE PROTECTION ASSOC. CODES

HEALTH: 3 FIRE: 0 REACTIVITY: 0 SPECIAL: NONE

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE:

Dike spill and soak up with sand or a commercially available alkaline spill kit. Sweep up absorbant and place in a hazardous waste container.

SECTION 7: HANDLING AND STORAGE

For Industrial Use Only. Store in well ventilated area. Keep container closed when not in use. Remove and wash contaminated clothing immediately. Do not store food, drink, or tobacco in area where they may become contaminated with this material.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: None needed with working mixtures and normal room ventilation (10 air changes per hour) Avoid use of product in unventilated areas. Always control airborne levels below recommended guidelines.

EYE PROTECTION: Safety glasses with side shields or goggles should be worn.

SKIN PROTECTION: Rubber or plastic apron. Chemical resistant gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling point (F) : 221

Melting point: N/A

Percent volatile by volume : N/D

Evaporation rate: N/D

Specific gravity (water = 1) 1.07

Appearance : Clear, colorless, liquid.

Volatile Organic Compounds: N/D

Vapor pressure: N/D

Vapor density: N/D

Solubility in water: 100%

pH: >13

Odor: Odorless

