

# GraphLine Inc.<sup>®</sup>

1100 International Pkwy.  
Suite 100 Sunrise FL 33323  
800-998-3200

## 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: SILVERPLATE ACTIVATOR

Revision 7/18/2007

Product Number 6018620001

Size 1 gal.

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	3-7
1310-73-2	SODIUM HYDROXIDE	1-5
7732-18-5	Water	70-90
7757-83-7	Sodium Sulfite	3-7

<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
SODIUM HYDROXIDE	2 mg/m3	None	None	None	None	None
Water	None	None	None	None	None	None
Sodium Sulfite	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
1310-73-2	No	No	No	No	No	No	Sensory irritation	250 mg/m3
7732-18-5	No	No	No	No	No	No	Not classified	None
7757-83-7	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 or damage to tissue: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

#### SKIN CONTACT:

Contact may cause severe irritation and burns with redness and drying of the contacted area.

**INHALATION:**

May cause severe irritation to nasal mucous membranes and respiratory tract.

**INGESTION:**

Ingestion of liquid may cause gastrointestinal distress or corrosion to digestive tract.

**H.M.I.S. CODES:****HEALTH: 3****FIRE: 0****REACTIVITY: 1****PROTECTION: D****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. DO NOT INDUCE VOMITING. Contact physician or poison control center immediately.

**SECTION 5: FIRE FIGHTING MEASURES****Flash point (F) :** None**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 :**

NONE

**NATIONAL FIRE PROTECTION ASSOC. CODES****HEALTH: 2****FIRE: 0****REACTIVITY: 1****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. Store above 32 deg. F.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

RESPIRATORY PROTECTION: Not needed for recommended handling.

VENTILATION: local exhaust recommended: MECHANICAL (General): Should be sufficient.

SKIN PROTECTION: Latex, Rubber or Neoprene Waterproof gloves and apron may be worn.

EYES PROTECTION: Safety glasses with side shields or goggles may be worn.

OTHER PROTECTION EQUIPMENT: Rubber or plastic apron.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling point (F) :** >212  
**Melting point:** N/A  
**Percent volatile by volume :** 90  
**Evaporation rate:** N/A (Water=1)  
**Specific gravity (water = 1) :** 1.11  
**Appearance :** Colorless to light straw.

**Volatile Organic Compounds:** N/A  
**Vapor pressure:** N/A  
**Vapor density:** N/A  
**Solubility in water:** Complete  
**pH:** 13.6  
**Odor:** Odorless.

### SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable  
**Hazardous polymerization:** Will not occur  
**Incompatibility (materials to avoid):** Strong acids, Alkalines, and Oxidizers.  
**Hazardous decomposition products:** Can emit toxic fumes of SO<sub>2</sub> and oxides of Nitrogen.

### SECTION 11: DISPOSAL CONSIDERATIONS

Remove free liquid and dispose of in accordance with Federal, State, and local regulations. All labeled precautions must be observed when handling, storing and transporting empty product containers due to residues. Do not re-use containers. Triple rinse containers before disposal. Dispose of in a licensed facility. recommended crushing or other means to prevent re-use.

### SECTION 12: TRANSPORTATION INFORMATION

SHIPPING NAME: POTASSIUM HYDROXIDE, SOLUTION

UN ID-#: 1814

PACKING GROUP: II

MAJOR CLASS: 8

PRIMARY LABEL: CORROSIVE

MINOR CLASS: N/A

SECONDARY LABEL: N/A

REMARKS: REGULATED MATERIAL

\* Reference: CFR 49, Table 172.102 (highway)

### SECTION 13: REGULATORY INFORMATION

<u>CAS. NUMBER</u>	<u>CERCLA</u>	<u>SARA-EHS</u>	<u>SARA-313</u>	<u>RCRA</u>	<u>CAL-PROP 65</u>	<u>N.J.</u>	<u>FLA.</u>
111-41-1	No	No	No	No	No	No	Yes
1310-58-3	Yes	No	No	No	No	Yes	Yes
1310-73-2	Yes	No	No	No	No	No	Yes
7732-18-5	No	No	No	No	No	No	No
7757-83-7	No	No	No	No	No	No	No

\* Specific CAS Number references from these regulatory tables:

CERCLA: 40 CFR. Table 302.4

SARA-EHS: 40 CFR. 355 Appendices A \_B

SARA-313: 40 CFR. section 372.65

RCRA: 40 CFR. section 261.3

CAL-PROP 65: California Proposition 65, Developmental and Reproductiv

New Jersey Right to Know

Florida Right to Know

### SECTION 14: OTHER INFORMATION

**Comments:** None

The data in this Material Safety Data form relates to the specific material designated herein and to the standard use of same in combination with other materials or processes. The hazards covered are believed to be those most likely to occur in the reasonable, contemplated, or ordinary use of these chemicals. No warranty is made or implied in respect of other hazards which may occur as a result of unreasonable, abnormal, or unusual usage, or non-standard application of these materials. The information accumulated herein is believed to be accurate, but GraphLine Inc. expressly denies any warranty to such effect. Customers or recipients are advised to confirm, in advance that the information is current, applicable and suitable to their circumstances. This information is furnished as a service only.