

# GraphLine Inc.<sup>®</sup>

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## 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: DEVELOPER, LITH, PART B

Revision 4/5/2006

Product Number 6017649005B

Size 1 X 4 Gal.

Formula Aqueous Mixture

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>C.A.S. #</u>	<u>INGREDIENTS</u>	<u>%</u>
1310-58-3	POTASSIUM HYDROXIDE	1- 5
584-08-7	POTASSIUM CARBONATE	5- 10
7647-15-6	SODIUM BROMIDE	1- 5
7732-18-5	Water	80- 85
7757-83-7	Sodium Sulfite	5- 10

<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>
POTASSIUM HYDROXIDE	2 mg/m3	None	None	None	None	None
POTASSIUM CARBONATE	None	None	None	None	None	None
SODIUM BROMIDE						
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>		
1310-58-3	No	No	No	No	No	No	Sensory irritation	None
584-08-7	No	No	No	No	No	No	Not classified	None
7647-15-6	No	No	No					
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:

Vapor may cause irritation. Contact may cause burns.

#### SKIN CONTACT:

Prolonged or repeated skin contact may cause skin irritation and may cause an allergic skin reaction.

#### INHALATION:

Low hazard for ordinary industrial handling.

**INGESTION:**

Do not take internally. May be harmful if swallowed.

**H.M.I.S. CODES:** HEALTH: N/A FIRE: N/A REACTIVITY: N/A PROTECTION: N/a

**SECTION 4: FIRST AID MEASURES****EYE CONTACT:**

Irrigate with water for 20 min. contact physician (preferably an ophthalmologist) immediately.

**SKIN CONTACT:**

Rinse with copious amounts of water and/or wash with soap and water for at least 20 minutes. If irritation occurs, contact physician.

**INHALATION:**

Remove victim to fresh air, if not breathing, have certified person administer first aid/CPR. Contact physician immediately.

**INGESTION:**

Drink water to dilute concentration. Induce vomiting only as directed by medical personnel. Seek medical attention immediately giving full details of amount ingested and toxicity.

**SECTION 5: FIRE FIGHTING MEASURES**

**Flash point (F) :** None **FLAMMABILITY LEL-** N/A **UEL-** N/A

**Extinguishing media:** Any applicable to primary cause of fire

**Special fire fighting procedures :**

Wear NIOSH approved self contained breathing apparatus when entering building.

**Unusual fire and explosion hazards :**

Fire or excessive heat may cause production of hazardous decomposition products.

**NATIONAL FIRE PROTECTION ASSOC. CODES**

**HEALTH:** N/A **FIRE:** N/A **REACTIVITY:** N/A **SPECIAL:** N/A

**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**

Store in well ventilated area. Keep container tightly closed. Remove and wash contaminated clothing immediately. Do not store NEAR HEAT. 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: N/A - LOCAL EXHAUST: Recommended - SPECIAL: N/A. - MECHANICAL: N/A. - OTHER: N/A. - PROTECTIVE GLOVES: Latex , Rubber or neoprene waterproof gloves. EYE PROTECTION: Chemical safety goggles/splash shield. OTHER PROTECTIVE EQUIPMENT: Rubber or plastic apron

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling point (F) :** >212  
**Melting point:** N/A  
**Percent volatile by volume :** 80  
**Evaporation rate:** N/A (Water=1)  
**Specific gravity (water = 1)** 1.29  
**Appearance :** Clear colorless liquid.

**Volatile Organic Compounds:** N/D  
**Vapor pressure:** 17.0  
**Vapor density:** .6  
**Solubility in water:** COMPLETE  
**pH:** 13;0  
**Odor:** Odorless.

### SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable  
**Hazardous polymerization:** Will not occur  
**Incompatibility (materials to avoid):** Strong acids, Strong bases  
**Hazardous decomposition products:** When heated to decomposition, it can emit toxic fumes of SO<sub>2</sub>, CO<sub>2</sub>. and possibly CO

### SECTION 11: DISPOSAL CONSIDERATIONS

Remove free liquid and dispose of in accordance with federal, state and local regulations

### 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:

\* 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>
1310-58-3	Yes	No	No	No	No	Yes	Yes
584-08-7	No	No	No	No	No	No	No
7647-15-6	No	No	No	No	No	Yes	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.