

GraphLine Inc.[®]

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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 A

Revision 2/1/2003

Product Number 6017649005A

Size 4 X 1 Gal.

Formula: Aqueous Mixture

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>C.A.S. #</u>	<u>INGREDIENTS</u>	<u>%</u>
10043-35-3	Boric Acid	1- 5
100-51-6	BENZYL ALCOHOL	0
111-46-6	DIETHYLENE GLYCOL	5- 10
123-31-9	HYDROQUINONE	5- 10
1310-58-3	POTASSIUM HYDROXIDE	<1
7732-18-5	WATER	45- 50
870-74-4	SODIUM FORMALDEHYDE BISULFITE	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>
Boric Acid	None	None	None	None	None	None
BENZYL ALCOHOL	None	None	None	None	None	None
DIETHYLENE GLYCOL	None	None	None	None	None	None
HYDROQUINONE	2 mg/m3	None	2 mg/m3	None	2 mg/m3	4 mg/m3
POTASSIUM HYDROXIDE	2 mg/m3	None	None	None	None	None
WATER	None	None	None	None	None	None
SODIUM FORMALDEHYDE BISULFITE	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>		
10043-35-3	No	No	No	No	No	No		Unknown
100-51-6	No	No	No	No	No	No		Unknown
111-46-6	No	No	No	No	No	No	Not classified	None
123-31-9	No	No	No	No	No	No	Not classified	Unknown
1310-58-3	No	No	No	No	No	No	Sensory irritation	None
7732-18-5	No	No	No	No	No	No	Not classified	None
870-74-4	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.

Hydroquinone - 320 mg/kg (oral-rat)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling point (F) : 212
Melting point: N/A
Percent volatile by volume : 75-85
Evaporation rate: <1 (N-Butyl Acetate=1)
Specific gravity (water = 1) : 1.22
Appearance : Clear

Volatile Organic Compounds: N/D
Vapor pressure: 17
Vapor density: approx. 0.6
Solubility in water: COMPLETE
pH: 7.5
Odor: odorless

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable
Hazardous polymerization: Will not occur
Incompatibility (materials to avoid): Strong acids and oxidizers
Hazardous decomposition products: When heated to decomposition, it can emit toxic fumes of SO₂, CO₂. 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>
10043-35-3	No	No	No	No	No	No	No
100-51-6	No	No	No	No	No	No	No
111-46-6	No	No	No	No	No	No	No
123-31-9	Yes	Yes	Yes	No	No	Yes	Yes
1310-58-3	Yes	No	No	No	No	Yes	Yes
7732-18-5	No	No	No	No	No	No	No
870-74-4	No	No	No	No	No	No	No

* Specific CAS Number references from these regulatory tables:

CERCLA: 40 CFR. Table 302.4

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

SARA-EHS: 40 CFR. 355 Appendices A .B

New Jersey Right to Know

SARA-313: 40 CFR. section 372.65

Florida Right to Know

RCRA: 40 CFR. section 261.3

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.