

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: NEGATIVE PLATE DEVELOPER

Revision 9/7/2004

Product Number 6018107013A

Size 5 GALLON

Formula: Aqueous Mixture

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>C.A.S. #</u>	<u>INGREDIENTS</u>	<u>%</u>					
100-51-6	BENZYL ALCOHOL	.05- 1					
<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>
BENZYL ALCOHOL		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>		
100-51-6	No	No	No	No	No	No		Unknown

* 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 irritation.

SKIN CONTACT:

May cause irritation on repeated and prolonged contact may cause sensitization in some susceptible individuals.

INHALATION:

May cause respiratory irritation. Inhalation of sulfites can result in an asthmatic like response in susceptible individuals. Symptoms may include tightness of chest, coughing, and difficult breathing.

INGESTION:

May cause digestive system irritation. Symptoms may include pain and vomiting. Ingestion of sulfites can cause an asthmatic like response in some susceptible individuals. DO NOT INDUCE VOMITING!

H.M.I.S. CODES: HEALTH: 1 FIRE: 0 REACTIVITY: 0 PROTECTION: SC

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:

Immediately wash affected area with soap and water. Remove contaminated clothing. If irritation persists, call a physician.

INHALATION:

If symptoms occur, remove person to fresh air. If symptoms continue, call a physician.

INGESTION:

Give one to two glasses of water. Immediately call a physician. DO NOT INDUCE VOMITING!

SECTION 5: FIRE FIGHTING MEASURES

Flash point (F) : 200 **FLAMMABILITY LEL- N/D UEL- N/D**

Extinguishing media: Use water spray, foam, dry chemical or carbon dioxide

Special fire fighting procedures :

CONTAINERS SHOULD BE KEPT COOL WITH WATER SPRAY. Fire fighters should use self-contained breathing apparatus and full protective clothing.

Unusual fire and explosion hazards :

WHEN HEATED TO DECOMPOSITION, EMISSION OF TOXIC FUMES IS POSSIBLE.

NATIONAL FIRE PROTECTION ASSOC. CODES

HEALTH: 1 FIRE: 0 REACTIVITY: 0 SPECIAL: NONE

SECTION 6: ACCIDENTAL RELEASE MEASURES**SPILL RESPONSE:**

Observe precautions from other sections. For small spills, wash to sewer. For large spills collect spilled material and wash down spill area.

SECTION 7: HANDLING AND STORAGE

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

Avoid eye contact. Avoid skin contact. Wear impervious gloves (e.g. NBR), eye protection (e.g. NIOSH approved organic vapor/acid gas respirator) and other protective clothing as needed to prevent contact during handling, transferring, equipment cleanups and spill cleanups. Routinely wash hands, arms, and face with soap and water after handling. Keep container closed when not in use. Do not take internally.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling point (F) : 100

Melting point: N/A

Percent volatile by volume : 94

Evaporation rate: <1 (N-Butyl Acetate=1)

Specific gravity (water = 1) : 1.1

Appearance : Clear Liquid

Volatile Organic Compounds: 7% by mass 0.6 LB. PER

Vapor pressure: 17.6 @ 20C

Vapor density: >1

Solubility in water: Complete

pH: 8-10

Odor: Negligible odor

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Hazardous polymerization: Will not occur.

Incompatibility (materials to avoid): AVOID STRONG OXIDIZERS

Hazardous decomposition products: CO2 CO, OXIDES OF SULFUR

SECTION 11: DISPOSAL CONSIDERATIONS

Waste can generally be discharged to a wastewater treatment system. Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number : NONE; Non-photochemically reactive.

SECTION 12: TRANSPORTATION INFORMATION

SHIPPING NAME: NOT REGULATED MATERIAL

UN ID-#: N/A

PACKING GROUP: N/A

MAJOR CLASS: N/A

PRIMARY LABEL: N/A

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>
100-51-6	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:**

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.