

288 Brea Canyon Rd. Industry, Ca 91789 909 859-8200

# 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: R/A Developer/Replenisher Revision 6/28/2007

Product Number 278146002

Size 2 X 2.5 GAL. Formula: Aqueous Mixture

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

C.A.S. #	<u>INGREDIENTS</u>	<u>%</u>
10117-38-1	Potassium Sulfite	10- 15
111-46-6	DIETHYLENE GLYCOL	1-5
123-31-9	HYDROQUINONE	1-5
1310-58-3	POTASSIUM HYDROXIDE	1-2
584-08-7	POTASSIUM CARBONATE	5- 10
7732-18-5	Water	65-75

EXPOSURE LIMITS	OSI	HA	ACGIH		CANADA	
	<u>TWA</u>	STEL	<u>TWA</u>	STEL	<u>TWA</u>	STEL
Potassium Sulfite	N/E	N/E	N/E	N/E	N/E	N/E
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
POTASSIUM CARBONATE	None	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**

	SKIN DESIGNATION *			CARCINOGENS				
CAS. NUMBER	<u>OSHA</u>	<b>ACGIH</b>	<b>CANADA</b>	<u>IARC</u>	NTP	<u>OSHA</u>	PRIMARY HAZARD	IDLH (ppm)
10117-38-1	No	No	No	No	No	No	Not classified	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
584-08-7	No	No	No	No	No	No	Not classified	None
7732-18-5	No	No	No	No	No	No	Not classified	None

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

HYDROQUINONE- Ld-Lo (HUMAN) 29 Mg/Kg

## SECTION 3: HAZARDS IDENTIFICATION

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### **EYES CONTACT:**

May cause irritation or damage to tissue.

#### **SKIN CONTACT:**

May cause irritation.

#### INHALATION:

May cause irritation to nasal mucous membranes and respiratory tract.

#### **INGESTION:**

May cause irritation 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 20 minutes, occasionally lifting the upper and lower eyelids. Contact physician immediately.(preferably an opthalmologist)

#### **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 CPR. Contact physician immediately.

#### INGESTION:

Administer 2-4 glasses milk or water. 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:** ANY APPLICABLE TO SURROUNDING FIRE.

Special fire fighting procedures:

USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

## Unusual fire and explosion hazards:

NONE

#### NATIONAL FIRE PROTECTION ASSOC. CODES

HEALTH: 3 FIRE: 0 REACTIVITY: 1 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**

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Boiling point (C): 100 Volatile Organic Compounds: N/A

Melting point:N/AVapor pressure:17 [mm/Hg.Percent volatile by volume:50Vapor density:APPROX. 0.6Evaporation rate:<1</th>(N-Butyl Acetate=1)Solubility in water:COMPLETE

Specific gravity (water = 1): 1.24 pH: 10.7

Appearance: LIGHT YELLOW 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: SULFUR DIOXIDE GAS

### **SECTION 11: DISPOSAL CONSIDERATIONS**

Remove free liquid and dispose of in accordance with Federal, State, and local regulations.

## **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 REMARKS:

## **SECTION 13: REGULATORY INFORMATION**

CAS. NUMBER	CERCLA	SARA-EHS	SARA-313	RCRA	CAL-PROP 65	<u>N.J.</u>	FLA.
10117-38-1	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
584-08-7	No	No	No	No	No	No	No
7732-18-5	No	No	No	No	No	No	No

<sup>\*</sup> Specific CAS Number references from these regulatory tables:

CERCLA: 40 CFR. Table 302.4 CAL-PROP 65: California Proposition 65, Developmental and Reproductiv

SECONDARY LABEL: N/A

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

<sup>\*</sup> Reference: CFR 49, Table 172.102 (highway)

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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 beleived 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 beleived 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.