

# 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:** FIXER, RAPID ACCESS CONCENTRATE

**Revision** 2/18/2003

**Product Number** 6017650001

**Size** 2.5 GAL.

**Formula:** Aqueous Mixture

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>C.A.S. #</u>	<u>INGREDIENTS</u>	<u>%</u>
64-19-7	ACETIC ACID	2- 6
7732-18-5	WATER	15- 20
7757-83-7	Sodium Sulfite	10- 15
7783-18-8	AMMONIUM THIOSULFATE	50- 60

<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>
ACETIC ACID	10 ppm	None	25 mg/m3	37mg/m3	26 mg/m3	39 mg/m3
WATER	None	None	None	None	None	None
Sodium Sulfite	None	None	None	None	None	None
AMMONIUM THIOSULFATE	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>		
64-19-7	No	No	No	No	No	No	Sensory irritation	1000
7732-18-5	No	No	No	No	No	No	Not classified	None
7757-83-7	No	No	No	No	No	No	Not classified	None
7783-18-8	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 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: 2 FIRE: 0 REACTIVITY: 1 PROTECTION: D

#### **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:**

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 primary cause of fire

##### **Special fire fighting procedures :**

May produce Sulfur dioxide and ammonia if exposed to intense heat. Wear NIOSH approved self contained breathing apparatus when entering building.

##### **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 acid spill kit, sweep up absorbent and place in a hazardous waste container.

#### **SECTION 7: HANDLING AND STORAGE**

Store away from strong oxidizers, acids, bases . Store in well ventilated area. Keep container tightly closed. Remove and wash contaminated clothing immediately. Do not store near heat. **OTHER PRECAUTIONS:** 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 (C) :** 100

**Melting point:** N/A

**Percent volatile by volume :** 33-45

**Evaporation rate:** <1 (Water=1)

**Specific gravity (water = 1) :** 1.32

**Appearance :** Clear, colorless

**Volatile Organic Compounds:** N/D

**Vapor pressure:** 17.0

**Vapor density:** APPROX. 0.6

**Solubility in water:** COMPLETE

**pH:** 5.2

**Odor:** slight vineger odor

