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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: SILVERPLATE STABILIZER

Revision 7/20/2005

Product Number 6018621001

Size 1 gal.

Formula: Aqueous Acidic Solution

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>C.A.S. #</u>	<u>INGREDIENTS</u>	<u>%</u>
107-21-1	ETHYLENE GLYCOL	1- 3
7558-80-7	MONOSODIUM PHOSPHATE	5- 10
7732-18-5	Water	80- 90

<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>
ETHYLENE GLYCOL	None	None	None	None	None	None
MONOSODIUM PHOSPHATE	N/E	N/E	N/E	N/E	N/E	N/E
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

<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>		
107-21-1	No	No	No	No	No	No	Sensory irritation	None
7558-80-7	No	No	No	No	No	No	Not classified	None
7732-18-5	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 eye irritation, burns or damage to tissue: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Prolonged or repeated contact with aqueous solutions may cause irritation.

INHALATION:

May cause irritation to nasal mucous membranes and respiratory tract.

INGESTION:

Ingestion of liquid may cause gastrointestinal distress or corrosion to digestive tract.

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

ABBREVIATIONS: N/D= Not Determined - N/A= Not Applicable - N/E=Not Established

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:

Rinse with copious amounts of water and/or wash with soap and water for at least 15 minutes. If irritation occurs, contact physician.

INHALATION:

Remove victims 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: Use appropriate agent for surrounding fire.

Special fire fighting procedures :

Self contained breathing apparatus with full face shield and protective clothing should be worn in fighting fires involving chemicals.

Unusual fire and explosion hazards :

NONE

NATIONAL FIRE PROTECTION ASSOC. CODES

HEALTH: 2 **FIRE:** 0 **REACTIVITY:** 0 **SPECIAL:** None

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

Dike spill and soak up with sand or a commercially available spill kit, sweep up absorbant and place in suitable container for disposal. Wash area with a suitable cleaner and rinse.

SECTION 7: HANDLING AND STORAGE

For Industrial Use Only. 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

RESPIRATORY PROTECTION: Not needed for recommended handling.

VENTILATION: local exhaust recommended: **MECHANICAL (General):** Should be sufficient.

SKIN PROTECTION: Latex, Rubber or Neoprene Waterproof gloves and apron may be worn.

EYES PROTECTION: Safety glasses with side shields or goggles may be worn.

OTHER PROTECTION EQUIPMENT: Rubber or plastic apron.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling point (F) : >212

Melting point: N/A

Percent volatile by volume : 90

Evaporation rate: <1

Specific gravity (water = 1) : 1.073

Appearance : Colorless slightly hazy material

Volatile Organic Compounds: N/A

Vapor pressure: N/A

Vapor density: N/A

Solubility in water: Complete

pH: 5.6

Odor: Slight ammonia odor

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable**Hazardous polymerization:** Will not occur**Incompatibility (materials to avoid):**

Strong acids, Oxidizers, and Strong Alkalines.

Hazardous decomposition products:

Carbon monoxide, carbon dioxide, sulfur dioxide.

SECTION 11: DISPOSAL CONSIDERATIONS

Remove free liquid and dispose of in accordance with Federal, State, and local regulations. All labeled precautions must be observed when handling, storing and transporting empty product containers due to residues. Do not re-use containers. Triple rinse containers before disposal. Dispose of in a licensed facility. recommended crushing or other means to prevent re-use.

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: NOT REGULATED MATERIAL

* 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>
107-21-1	Yes	No	Yes	No	No	Yes	Yes
7558-80-7	No	No	No	No	No	Yes	No
7732-18-5	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.