

# GraphLine Inc<sup>®</sup>

5701 N.W. 94th Ave.  
Tamarac, Fl. 33321  
800-998-3200

## 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: AQUEOUS METAL PLATE 2-IN-ONE DEVELOPER

Revision 11/14/95

Product Number 6018107001

Size 1 Gal.

Formula AQUEOUS MIXTURE

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

C.A.S. #	INGREDIENTS	%
9050-36-6	MALTODEXTRIN	5-10
7732-18-5	WATER	80-90
25638-17-9	SODIUM BUTYLNAPHTHALENESULFONATE	1-5
10196-04-0	AMMONIUM SULFITE	1-5
100-51-6	BENZYL ALCOHOL	1-5

#### EXPOSURE LIMITS

	OSHA		ACGIH		CANADA	
	TWA	STEL	TWA	STEL	TWA	STEL
MALTODEXTRIN	None	None	None	None	None	None
WATER	None	None	None	None	None	None
SODIUM BUTYLNAPHTHALENESULFONATE	None	None	None	None	None	None
AMMONIUM SULFITE	None	None	None	None	None	None
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

CAS NUMBER	SKIN DESIGNATION *			CARCINOGENS			PRIMARY HAZARD	IDLH (ppm)
	OSHA	ACGIH	CANADA	IARC	NTP	OSHA		
9050-36-6	No	No	No	No	No	No	Not classified	None
7732-18-5	No	No	No	No	No	No	Not classified	None
25638-17-9	No	No	No	No	No	No	Not classified	None
10196-04-0	No	No	No	No	No	No	Not classified	None
100-51-6	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 moderate eye irritation; signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

#### SKIN CONTACT:

Prolonged or repeated skin contact may cause skin irritation and may cause an allergic skin reaction.

Signs/symptoms may include redness, swelling, blistering, and itching.

#### INHALATION:

GraphLine

Product Number: 6018107001

REVISION: 11/14/95

Page 3 of 3

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Hazardous polymerization:

Will not occur.

Incompatibility (materials to avoid): N/A

Hazardous decomposition products: N/A

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- CHEMICAL NOI

ID NUMBER: N/A

HAZARD CLASS: N/A

PACKING GROUP: N/A LABEL: NOT REQUIRED

\* Reference: CFR 49, Table 172.102 (highway)

SECTION 13: REGULATORY INFORMATION

CAS NUMBER	CERCLA	SARA-LIIS	SARA-313	RCRA	CAL-PROP 65	N.J.	FLA.
9050-36-6	No	No	No	No	No	No	No
7732-18-5	No	No	No	No	No	No	No
25638-17-9	No	No	No	No	No	No	No
10196-04-0	Yes	No	No	No	No	No	No
100-51-6	No	No	No	No	No	No	Yes

\* Specific CAS Number references from these regulatory tables:

CERCLA: 40 CFR, Table 302.4

CAL-PROP 65: California Proposition 65, Developmental and Reproductive  
New Jersey Right to Know

SARA-FHS: 40 CFR, 355 Appendices A, B

SARA-313: 40 CFR, section 372.65

Florida Right to Know

RCRA: 40 CFR, section 261.3

SECTION 14: OTHER INFORMATION

Comments: Name change 11/14/95

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.

GraphLine

Product Number: 6018107001

REVISION: 11/14/95

Page 2 of 3

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.

Graph. Ine

Product Number: G018107001

REVISION: 11/14/95

Page 2 of 3

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.

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

**SECTION 4: FIRST AID MEASURES****EYE CONTACT**

Immediately flush eyes with plenty of water. Continue for 10 minutes holding eyes open. Call a physician.

**SKIN CONTACT:**

Immediately wash affected area with soap and water. 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.

**SECTION 5: FIRE FIGHTING MEASURES**

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

Extinguishing media: Use water spray, foam, dry chemical.

Special fire fighting procedures :

Wear N.I.O.S.H. approved self contained breathing apparatus and protective clothing.

Unusual fire and explosion hazards :

Fire or excessive heat may cause production of hazardous decomposition products.

NATIONAL FIRE PROTECTION ASSOC. CODES

HEALTH: 1 FIRE: 1 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 (C) : 102

Melting point: N/A

Percent volatile by volume : 93

Evaporation rate: N/D (N-Butyl Acetate=1)

Specific gravity (water = 1) 1.035

Appearance : Clear to slight amber

Volatile Organic Compounds: 36.20 grams/liter

Vapor pressure: 17.5 [mm/Hg]

Vapor density: N/D

Solubility in water: Soluble

pH: 7

Odor: Mild soap odor

May cause digestive system irritation. Symptoms may include pain and vomiting. Ingestion of sulfites can cause an asthmatic like response in some susceptible individuals.

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

---

#### SECTION 4: FIRST AID MEASURES

##### EYE CONTACT

Immediately flush eyes with plenty of water. Continue for 10 minutes holding eyes open. Call a physician.

##### SKIN CONTACT:

Immediately wash affected area with soap and water. 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.

---

#### SECTION 5: FIRE FIGHTING MEASURES

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

Extinguishing media: Use water spray, foam, dry chemical.

##### Special fire fighting procedures :

Wear N.I.O.S.H. approved self contained breathing apparatus and protective clothing.

##### Unusual fire and explosion hazards :

Fire or excessive heat may cause production of hazardous decomposition products.

##### NATIONAL FIRE PROTECTION ASSOC. CODES

HEALTH: 1 FIRE: 1 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.

---

number listed on page one of this MSDS document.

**EPCRA HAZARD CLASS:**

<b>FIRE HAZARD</b>	<b>PRESSURE</b>	<b>REACTIVITY</b>	<b>ACUTE</b>	<b>CHRONIC</b>
No:	No	No	Yes	No

**Volatile Organic Compounds:** N/A

**VOC Less H2O & Exempt Solvents:** N/A

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR Part 372:  
No components are reportable under EPCRA section 313

**Updated Heading and Disposal Sections**

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. IMATION ENTERPRISES CORP. MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the Imation Enterprises Corp. product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of an Imation Enterprises Corp. product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Imation Enterprises Corp. product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.

Imation Enterprises Corp. provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, Imation Enterprises Corp. makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from Imation Enterprises Corp.

**APPEARANCE AND ODOR:** Liquid Clear, slight odor.  
**pH:** 9.8  
**VAPOR PRESSURE:** at 68 deg F ca. 17.5 mmHg  
**VAPOR DENSITY:** N/D  
**BOILING POINT:** 103.00 C  
**MELTING POINT:** N/D  
**SOLUBILITY IN WATER:** complete  
**SPECIFIC GRAVITY:** 1.010 g/cc  
**EVAPORATION RATE:** 1.00 Water=1  
**VISCOSITY:** 4.0 centipoise  
**PERCENT VOLATILE:** ca. 99.00 %

**CHEMICAL STABILITY:** Stable  
**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.  
**INCOMPATIBLE MATERIALS:** None known.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide and Carbon Dioxide

**EYE HAZARD:** Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.  
**SKIN HAZARD:** Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.  
**INGESTION HAZARD:** Ingestion is not a likely route of exposure to this product.  
Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.  
**INHALATION HAZARD:** Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

**ENVIRONMENTAL DATA:** Not determined.

**DISPOSAL CONSIDERATIONS:** Flush spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

**FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC AT 800-424-9300.**

For transportation information call the general information number for Imation Enterprises Corp or the Business Unit

**Eyes:** Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

**Skin Contact:** Wash affected area with soap and water.

**Ingestion:** Do not induce vomiting. Drink two glasses of water. Call a physician.

**Inhalation:** If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

### FLAMMABLE PROPERTIES

**FLASH POINT:** N/A    **UPPER FLAMMABLE LIMIT:** N/A    **LOWER FLAMMABLE LIMIT:** N/A    **AUTOIGNITION TEMPERATURE:** N/A

**EXTINGUISHING MEDIA:** Non-combustible. Choose material suitable for surrounding fire.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Not applicable.

### NFPA HAZARD CODES:

**HEALTH:** 1    **FIRE:** 0    **REACTIVITY:** 0    **UNUSUAL REACTION HAZARD:** none

**SPILL PROCEDURES:** Observe precautions from other sections. Collect spilled material. Place in a U.S. DOT-approved container.

**RECOMMENDED STORAGE:** Do not store containers on their sides. Store at room temperature.

**FIRE AND EXPLOSION AVOIDANCE:** Not applicable.

### PERSONAL PROTECTIVE EQUIPMENT:

**EYE PROTECTION:** Avoid eye contact., Wear unvented goggles during operations in which exposure is likely.

**SKIN PROTECTION:** Avoid skin contact., A pair of gloves made from the following material(s) are recommended:., neoprene

**RESPIRATORY PROTECTION:** Avoid breathing of vapors, mists or spray.

**PREVENTION OF ACCIDENTAL INGESTION:** Wash hands after handling and before eating. Do not ingest.

**RECOMMENDED VENTILATION:** Use with appropriate local exhaust ventilation.

Imation Enterprises Corp.  
1 Imation Place  
Oakdale, Minnesota  
55128-3414  
-888-466-3456

For Medical Emergencies call: 1-800-328-5274 (For Customers, ext. 287 for Employees ext. 288)  
For Transport/Spill Emergencies call: Chemtrec 1-800-424-9300 (USA) or 1-202-483-7616 (Outside USA)

Effective Date: 10-05-1998  
Supercedes: 05-09-1998

Copyright, 1997, Imation Enterprises Corp. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing Imation Enterprises Corp. products is allowed provided that:

- 1) the information is copied in full with no changes unless prior agreement is obtained from Imation Enterprises Corp., and
- 2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

MSDS ID 06-8434-0  
ITEM NUMBER 77980417123  
PRODUCT NAME COLOR PROOFING III- PRE-MIXED HAND DEVELOPER

BUSINESS UNIT: PRINTING AND PROOFING PRODUCTS - 1-800-328-1303

Component Name	CAS Number	% Range
WATER	7732-18-5	90.0 - 100.0
SODIUM BICARBONATE	144-55-8	< 2.0
POTASSIUM CARBONATE	584-08-7	< 2.0

#### Potential Health Effects

**Eyes:** Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

**Skin Contact:** Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

**Ingestion:** Ingestion is not a likely route of exposure to this product.  
Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

**Inhalation:** Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.