

Product Identification Number - G6000M Revision - 2

01014-1027



CHROMATIC
MATERIAL SAFETY DATA SHEET
 For 1 Shot Chromatic Liquid Coatings and Associated Liquid Materials

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I. CHEMICAL PRODUCT IDENTIFICATION

Product Name : **G6000 REDUCER**

Date Printed : 11/09/10
 Revision Date : 03/31/10

Revision Number : 2
 Supercedes : 03/29/10

II. COMPOSITION/INFORMATION ON INGREDIENTS - (EXPOSURE LIMITS - SEE SECTION VIII)

INGREDIENT NAME	CAS #	%
Naphtha (petroleum), heavy aromatic	64742-94-5	50.01 - 75.00
Linseed oil	8001-26-1	25.01 - 30.00
Naphthalene	91-20-3	1.01 - 5.00
1,2,4-Trimethylbenzene	95-63-6	1.01 - 5.00

If ingredient percentages do not total 100%, the balance is due to rounding or applies to ingredient(s) deemed nonhazardous under 29 CFR 1910.1200 (Hazard Communication Standard)

III. HAZARDS IDENTIFICATION

	HMIS
HEALTH	2 *
FLAMMABILITY	2
REACTIVITY	0

0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Extreme * = Chronic Health Effects

Routes of Entry:

Inhalation, Ingestion, Skin contact, Eye contact, Absorption.

Medical Conditions Aggravated:

Eye disease, Liver disease, Kidney disease, Skin disease including eczema and sensitization, Respiratory disease including asthma and bronchitis.

Immediate (Acute) Health Effects:

Inhalation:

Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Toxic. Can cause systemic damage, see target organs below. Respiratory failure is possible at high doses.

Skin Contact:

Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Eye Contact:

Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

Skin Absorption:

May cause irritation and minor systemic damage.

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Ingestion:	Harmful if swallowed. May cause systemic poisoning. Can cause abdominal discomfort, nausea, vomiting and diarrhea.
Target Organ Acute Toxicity:	Eyes, Blood, Liver, Kidneys, Skin, CNS, Respiratory System.
<u>Long-Term (Chronic) Health Effects:</u>	
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Upon prolonged or repeated contact, can cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.
Skin Absorption	Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.
Carcinogenicity:	IARC: Yes NTP: No OSHA: No
Target Organ Chronic Toxicity:	Nervous System, Eyes, Blood, Liver, Kidneys, Skin, Lungs, Respiratory Tract.

NOTICE - Reports have associated repeated and prolonged occupational overexposure to solvents with brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

IV. FIRST AID

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.
Eyes:	Immediately flush eyes with plenty of luke warm water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion:	Seek medical advice immediately. Provide ingredients information from Section II of this MSDS to the medical care provider. Contact your local Poison Control Center (listed in the telephone book), or dial the local "Emergency" (911) number for additional information. Do not induce vomiting unless instructed to do so by a physician or other competent medical personnel. Never give anything by mouth to an unconscious person.

V. FIRE FIGHTING MEASURES

<u>Flammability Summary:</u>	Combustible
Flash Point:	75 °C; 167 °F
Fire Hazards:	Can form explosive mixtures at temperatures at or above the flash point. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or crush used containers. Do not expose containers or product to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death. Avoid spontaneous combustion of contaminated rags and other easily ignitable accumulations (example: spray booth residue) by immediate immersion in water. Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition. This product, when dried or cured, may support combustion when subjected to sources of ignition or heat in sufficient amount.
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.
Fire Fighting Instructions:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide.

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VI. ACCIDENTAL RELEASE MEASURES**Health Consideration for Spill Response:**

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, and the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Spill Mitigation Procedures:**General Methods:**

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. For liquid spills, dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Air Release:

Ventilate the area by opening door and/or turning on fans and blowers.

Water Release:

Retain all contaminated water for treatment.

Land Spills:

Avoid runoff into storm sewers and ditches that lead to waterways.

VII. HANDLING AND STORAGE**Handling:**

Harmful or irritating: avoid overexposure to the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Do not get in eyes, on skin and clothing. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse.

Storage:

Store in a cool dry place. Isolate from incompatible materials. Keep container closed when not in use. Keep away from heat, sparks, and flame.

VIII. ENGINEERING CONTROLS, PERSONAL PROTECTIVE EQUIPMENT, AND EXPOSURE LIMITS**Engineering Controls:**

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. See table at the end of this Section VIII below for exposure limits. Engineering controls must be designed to meet any relevant OSHA chemical specific standards in 29 CFR 1910. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Protective Equipment:**Respiratory Tract:**

If general or local exhaust ventilation is not available or sufficient to reduce exposure to below acceptable levels, then respiratory protection is required to avoid overexposure when handling this product. Wear a NIOSH approved respirator if any exposure is possible.

Eyes:

Wear safety glasses with side shields when handling this product. When the possibility exists for eye contact with splashing or spraying liquid, or airborne material, wear additional eye protection such as chemical splash goggles and/or face shield. Do not wear contact lenses. Have an eye wash station available.

Skin:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Protective Clothing:

Wear chemically resistant gloves and apron. (Consult your safety equipment supplier).

CHEMICAL NAME	CAS #	ACGIH TLV	OSHA PEL	IDLH
Naphtha (petroleum), heavy aromatic	64742-94-5	No TLV	No PEL established	Not determined.
Linseed oil	8001-26-1	No TLV	No PEL established	Not determined.
Naphthalene	91-20-3	10 ppm TWA 15 ppm STEL	10 ppm TWA, 50 mg/m ³ TWA	250 ppm IDLH
1,2,4-Trimethylbenzene	95-63-6	No TLV	No PEL established	Not determined.

IX. PHYSICAL DATA**Appearance:**

Colorless Liquid.

Color:

Colorless

Odor:

Aromatic

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pH:	N/A		
Octanol/Water Coeff:	Not Determined.		
Solubility in Water:	Negligible.		
Vapor Density:	Heavier than air. Vapors that evolve from this product will tend to settle and accumulate near the floor.		
Evaporation Rate:	Slower than n-Butyl Acetate.		
Specific Gravity/Density:	0.835 / 6.97 Lbs./G1.		
V.O.C.	5.19 Lbs/G1 less water & exempt solvent;	622 g/l less water & exempt solvent;	5.2 Lbs/G1 as packed

The VOC content is determined by using a percent solids basis, less water and exempt solvents, for adhesives, coatings and inks and the calculations of EPA Reference Method 24 or equivalent ASTM method approved by the executive office.

Initial Boiling Point: 186 °C; 367 °F

X. STABILITY AND REACTIVITY**Stability Information:**

Stable under normal conditions. Spontaneous combustion can occur.

Conditions to Avoid:

Temperatures above flash point in combination with sparks, open flames, or other sources of ignition. Avoid spontaneous combustion of contaminated rags and other easily ignitable accumulations (example: spray booth residue) by immediate immersion in water.

Chemical Incompatibility:

Strong oxidizing agents, Strong alkalis, Mineral acids.

Hazardous Decomposition Products:

Carbon dioxide, Carbon monoxide.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	LD50/LC50
Naphtha (petroleum), heavy aromatic	Inhalation LC50 Rat: 590 mg/m ³ /4H; Dermal LD50 Rabbit: 2 mL/kg
Naphthalene	Inhalation LC50 Rat: >340 mg/m ³ /1H; Oral LD50 Rat: 490 mg/kg; Oral LD50 Mouse: 533 mg/kg; Dermal LD50 Rabbit: >20 gm/kg
Benzene, 1,2,4-trimethyl-	Inhalation LC50 Rat: 18 gm/m ³ /4H; Oral LD50 Rat: 5 gm/kg

XII. ECOLOGICAL INFORMATION**Overview:**

Care should be taken to minimize releases of any industrial chemicals to the environment.

XIII. DISPOSAL CONSIDERATIONS**Waste Description for Unused Product:**

Waste description not determined.

Disposal Methods:

Information in this MSDS is provided only as a guide. Consult with competent authority to determine proper waste disposal procedures. Clean up and dispose of waste and clean-up materials in accordance with all federal, state, and local environmental regulations.

Potential EPA Waste Codes:

Not determined..

Some Components Possibly Subjected to USEPA Land Disposal Restrictions:

When disposing of unused products or any waste, the preferred options are to send to a licensed reclaimer or to permitted incinerators. There may be some other ingredients subject to LDR categories. Naphthalene 91-20-3

XIV. TRANSPORTATION INFORMATION**Agency Basic Description and Label**

DOT Not regulated per DOT

Hazardous Substance

Naphthalene RQ = 100 pounds (45.4 kg)

XV. REGULATORY INFORMATION**Regulation**

SARA 313 Reportable : Naphthalene, 1,2,4-Trimethylbenzene

TSCA Inventory

All components of this product are listed in, or exempt from, the TSCA 8(b) Inventory.

M.S.D.S. Reportable HAP(s)

Naphthalene.

California Proposition 65 :

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986 - Proposition 65: "WARNING: This product contains chemical(s) known to the State of California to cause cancer and birth defects, or other reproductive harm."

SARA/CERCLA Section 302

N/A

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XVI. ADDITIONAL INFORMATION**Major References:** VENDOR'S MSDS's, PAINT & COATINGS HANDBOOK, EPA'S LIST OF LISTS, AND OTHER PUBLISHED MATERIALS.

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