

MATERIAL SAFETY DATA SHEET

Section I

Company Name: Future Graphics, LLC.
Address: 1175 Aviation Place
City, State, Zip Code: San Fernando, CA 91340
Phone for Information: 818 / 837-8100
EMERGENCY CONTACT: **FUTURE GRAPHICS 818 / 837-8100, 800 / 394-9900**
Product Code: MAGCLEANER
Description: CLEANER MAG ROLLER FG PINT
Date Revised: 10/20/2003

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Section II

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV	(Optional) %
Hexane	110-54-3	180mg/m3	176mg/m3	70-90%
Isopropanol	67-63-0	980mg/m3 TWA 1225mg/m3 STEL	983mg/m3 TWA 1230mg/m3 STEL	7-15%
Methylcyclopentane	96-37-7	NE	NE	0.5-1.5%
Isohexane	107-83-5	NE	NE	0.5-1.5%
3-Methylpentane	96-14-0	NE	NE	0.5-1.5%

NE - Not Established, STEL - Short Term Exposure Limit

PHYSICAL / CHEMICAL CHARACTERISTICS

Section III

Boiling Point (F): 350-380F
Specific Gravity (Water = 1): 0.7
Vapor Pressure (mm HG @ 20C): 0.5
Melting Point: N/D
VOC (lbs/gal): 5.70 (USEPA Method 24)
Solubility in Water: 0%
Appearance: Clear, colorless liquid
Odor: Strong Solvent

FIRE & EXPLOSION HAZARD DATA

Section IV

Flash Point (Method Used): <20F (TCC)
OSHA Class IB Flammable Liquid
Extinguishing Media: Water spray or mist, Alcohol Foam, Dry Chemical, Co2
Special Fire Fighting Procedures: Avoid inhalation of smoke, Wear MSHA / NIOSH S.C.U.B.A.
Water spray should be used to cool fire exposed containers and to disperse un-ignited vapors.

REACTIVE DATA

Section V

Stability: Unstable: Stable: X
Materials and Conditions to Avoid: Keep containers and liquids away from all potential sources of ignition. Keep away from excess heat. Avoid contact with strong oxidizers, strong acids and strong bases.
Hazardous Decomposition Products: Oxides of Nitrogen, Oxides of Carbon, Oxides of Sulfur.
Hazardous Polymerization: WILL NOT occur if product is used and stored as directed.

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HEALTH HAZARD DATA

Section VI

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles and chemical resistant gloves. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation. May produce hazardous gases under fire conditions. During emergencies, wear equipment to protect eyes, skin and respiratory tract. Dike or absorb spills to keep material and run-off from entering sewer or waterways.

Potential Health Effects:

Eyes:	Causes irritation.
Inhalation:	Irritant to respiratory tract and mucous membranes.
Skin:	Contact causes irritation.
Ingestion:	Ingestion may cause nausea and vomiting.
Acute Overexposure:	Skin, eye, mucous membrane and respiratory tract irritant.
Chronic Overexposure:	Prolonged or repeated inhalation may cause anemia and damage to the kidneys, liver and blood system. Prolonged or repeated inhalation may cause central nervous system depression. Prolonged or repeated skin contact may cause dermatitis.
Ingredient Information:	Hexane has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs at exposure level that harm the pregnant animal . The relevance of these findings to humans is uncertain.
Carcenogenicity:	None listed

EMERGENCY AND FIRST AID PROCEDURES:

EYES:	Immediately flush with COOL water for 15 minutes. Call a physician.
INHALATION:	Immediately remove victim to fresh air. Call a physician.
SKIN:	Wash with soap and water for 15 minutes. Call a physician.
INGESTION:	Do not drink water. Do not induce vomiting. Call a physician.

PRECAUTIONS FOR SAFE HANDLING AND USE

Section VII

Handling:	Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapor. Do not swallow. Wear chemical safety goggles and neoprene gloves and apron. Wash thoroughly after handling. Keep container closed when not in use. Use only with adequate ventilation.
Storage:	Store in cool dry, well-ventilated area away from all sources of ignition. Keep container closed when not in use.
Small Spills:	Dike or absorb spills to keep material and run-off from entering sewer or waterways.
Large Spills:	For larger spills requiring emergency response, neoprene boots and respiratory protection may be required. Isolate area of spill by diking. Stop source of leak. Add dry absorbent. Clean up and place in an approved D.O.T. container and seal. Wash all contaminated clothing before reuse.

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CONTROL MEASURES

Section VIII

Ventilation: Good general ventilation should be sufficient for most processing operations. Vent work area to ensure airborne concentrations are below the current occupational exposure limits. Ten (10) or more room air changes per hour containing a minimum of 15% fresh air will meet these requirements. Consult ASHRAE 62-1989 for further requirements.

Respiratory Protection: If used under normal operating conditions and with adequate ventilation, respiratory protection is not required. However, refer to OSHA 29 CFR 1910.14 4.

Protective Gloves: Wear chemically resistant gloves.

Eye Protection: Wear chemical safety goggles.

Other Protective Clothing or Equipment: None required.

Work / Hygienic Practices: Wash hands with soap and water prior to eating.

REGULATORY INFORMATION

Section IX

Note: The ingredient information listed in this section is provided for reporting requirements as dictated by USEPA, state and local regulation. If ingredient is listed in this section but not in Section II, then the concentration of this ingredient is below de minimus (less than 0.1%).

U.S. Federal Regulations:

313 = SARA Title III Section 313 (40 CFR 372 - Toxic Release Inventory)
355 = SARA Title III Section 302 (40 CFR 355 - Extremely Hazardous Substance)
302 = SARA Title III Section 304 (40 CFR 302 - Hazardous Substance List)
CWA = Clean Water Act Priority Pollutants List
CAA = Clean Air Act 1990 Hazardous Air Contaminants
HAP = Clean Air Act - HON Rule - HAPs

Ingredients	CAS Number	313	355	302	CWA	CAA	HAP
Hexane	110-54-3	Y	N	Y	N	Y	Y
Isopropanol	67-63-0	Y	N	N	N	N	N
Methylcyclopentane	96-37-7	N	N	N	N	N	N
Isohexane	107-83-5	N	N	N	N	N	N
3-Methylpentane	96-14-0	N	N	N	N	N	N

State Regulations:

FL = Florida Hazardous Substance List
MI = Michigan Critical Materials List
NJ = New Jersey Right-To-Know List

MA = Massachusetts Right-To-Know List
MN = Minnesota Hazardous Substance List
PA = Pennsylvania Right-To-Know List

Ingredients	CAS Number	PA	NJ	MN	MI	MA	FL
Hexane	110-54-3	Y	Y	Y	N	Y	Y
Isopropanol	67-63-0	Y	Y	Y	N	Y	Y
Methylcyclopentane	96-37-7	Y	Y	N	N	Y	Y
Isohexane	107-83-5	Y	N	Y	N	Y	Y
3-Methylpentane	96-14-0	Y	N	N	N	Y	Y

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REGULATORY INFORMATION (Cont.)

Section IX

The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act Of 1986 or Proposition 65. This regulation does not address di minimus levels; therefore, even trace amounts of chemicals included on these lists must be noted with the "Safe Harbor" wording.

WARNING: Known to the State of California to cause cancer:

Chemical Name	CAS Number
71-43-2	Benzene

WARNING: Known to the State of California to cause developmental toxicity:

Chemical Name	CAS Number
71-43-2	Benzene

WARNING: Known to the State of California to cause female reproductive effects:

***** None listed *****

WARNING: Known to the State of California to cause male reproductive effects:

Chemical Name	CAS Number
71-43-2	Benzene

TRANSPORTATION INFORMATION

Section X

Ground Shipping Information

Proper Shipping Name:	Flammable Liquid, N.O.S. (Contains Hexane, Isopropanol)
Hazard Class:	3
UN/NA Number:	UN993
Packing Group:	PGII

Air (ICAO/IATA) Shipping Information

Proper Shipping Name:	Flammable Liquid, N.O.S. (Contains Hexane, Isopropanol)
Hazard Class:	3
UN/NA Number:	UN993
Packing Group:	PGII
Subsidiary Risk:	None
UN/DOT Labels Needed:	Flammable

International Maritime Organization (IMO) Additional Shipping Class:

IMDG Code:	IMDG 3230
Amdt. Code:	Amdt. 27-94
HTS Code:	HTS#3814.00.5000.0

Product is labeled in accordance with US D.O.T. 49 CFR

SPECIAL INSTRUCTIONS

This information is believed to be true and accurate. It represents the best information currently available to us. We make no warranty , expressed or implied with regard to such information. We make no liability resulting from its use. Users should make their own investigations to determine the suitability for their particular purposes.