

# MATERIAL SAFETY DATA SHEET

## PAMARCO GLOBAL GRAPHICS PRINT WORKS X75-110 DEEP CLEANING GEL

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor: **Pamarco Global Graphics**  
171 E. Marquardt Dr., Wheeling, IL 60090-6493

Product Name: **DEEP CLEANING GEL**

Product Number: **X75-110**

Date Prepared: 03/19/2009

Customer Information Phone Number: 1-800-323-7735

CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
2-(2-BUTOXYETHOXY) ETHANOL	112-34-5	N.E.	N.E.	20-30
DIPROPYLENE GLYCOL ETHER	34590-94-8	100 ppm TWA	100 ppm TWA	15-25
1, 2-PROPANEDIOL CARBONATE	108-32-7	N.E.	N.E.	10-15

### 3. HAZARDOUS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

Eye Contact: May cause irritation, including burning sensation, tearing, redness or swelling.

Inhalation: May cause irritation to nasal membranes and respiratory tract. Vapor when heated may cause headache, and nausea.

Ingestion: Single dose oral toxicity is considered to be extremely low. Swallowing amounts larger than that could be slightly toxic producing headache, nausea, dizziness, mental confusion.

Skin Contact: Brief contact is not irritating. Prolonged contact may cause mild irritation.

Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dermatitis, difficulty breathing, abdominal pain, skin irritation, coughing, nausea, diarrhea.

### 4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If irritation develops, remove to fresh air and get medical attention if cough or other symptoms develop.

Ingestion: If swallowed, DO NOT induce vomiting. Give large quantities of water. Call a physician or poison control center immediately.

Skin Contact: Wash affected area with soap and water for at least fifteen minutes. If irritation occurs, seek medical attention.

Aggravated Medical Conditions: Skin contact may aggravate an existing dermatitis. Prolonged inhalation may cause injury to kidney, liver, and central nervous system.

Supplemental Health Information: None of the components in this product is listed by IARC, NTP, or OSHA as carcinogen.

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## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Flash Point: 74° C

Flash Point Method: TCC

Auto ignition: > 200° C

LEL: N.E.

UEL: N.E.

Extinguishing Media: Foam, water fog, carbon dioxide, dry chemical.

Special Fire-Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece in positive pressure mode. Avoid strong water jets. This material may produce a floating fire hazard in extreme conditions.

Unusual Fire And Explosion Hazards: Vapor/air mixtures can be combustible. On exposed to high temperature, may decompose, releasing toxic/flammable vapors.

Combustion Products: Carbon dioxide and carbon monoxide, nitrogen oxides, bromide gases.

## 6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Eliminate all sources of ignition. Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pre-treatment.

## 7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Store in a cool, dry, well ventilated area. Keep containers closed. Do not store with incompatible materials. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

Other Precautions: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: When this product is used in the intended way, no respiratory protection is anticipated to be necessary. However, if use conditions generate vapors or fumes, use a NIOSH approved acid gas respirator.

Ventilation: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Good ventilation (typically 10 air changes per hour) should be used.

Protective Gloves: Rubber gloves are recommended.

Eye Protection: Safety glasses with side shields (or goggles).

Other Protective Clothing or Equipment: Rubber or plastic apron.

Work/Hygienic Practices: Use good personal hygiene when handling this product. Wash hands after use, before smoking or using the toilet.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Guidelines: See Section 2.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear, red, viscous liquid with glycol odor Solubility In Water: Complete  
Boiling Point: 100-240° C Pounds Per Gallon: 8.4 Specific Gravity: 1.01  
Melting Point: Not applicable Freezing Point: N.E. Evaporation Rate: N.E.  
Vapor Density: N.E. Percent Volatile: 80.57 Ph: 4.15  
Molecular Weight: Not applicable V.O.C. = 485.8 g/L or 48.15% or 4.05 lbs/gal.  
Vapor Pressure: 0.04 mmHg @20C (exempt water) Vapor Pressure: 15.8 mmHg @20C (total)

## 10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Avoid high temperatures open flame and sparks.

Incompatibility: Strong acids, bases, and oxidizers.

Hazardous Decomposition Or By Products: Carbon monoxide and carbon dioxide may evolve under extreme conditions. Decomposition will result in the production of propylene oxide. Acids and bases can accelerate decomposition process.

Hazardous Polymerization: Will Not Occur

Conditions To Avoid: High temperatures

## 11. TOXICOLOGICAL INFORMATION

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

Discharge, treatment or disposal may be subject to Federal, State (provincial in Canada) or local laws. Recommended disposal by incineration. At very low concentrations in water, this product is biodegradable in a biological wastewater treatment plant.

## 14. TRANSPORT INFORMATION

This material is not regulated for domestic ground shipments by the U.S. Department of Transportation (DOT) when transported in non-bulk (a packaging which has a maximum capacity of 119 gallons or less as a receptacle for a liquid). Reference 49 CFR 173.120(b)(2) and 73.150(f)(1).

In summary, for non-bulk domestic ground shipments:

DOT Class: Not Regulated

Hazard Class: Not Applicable

UN No.: Not Applicable

Packing Group:

Guide No.:

If this material is offered for domestic ground shipment in bulk (a packaging which has a maximum capacity greater than 119 gallons as a receptacle for a liquid), then the material is regulated. Reference 49 CFR 173.120(b)(2) and 173.150(f)(2).

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In summary, for bulk domestic ground shipments:

DOT Shipping Name: Combustible Liquid, N.O.S. (Contains Petroleum Distillates)

Hazard Class: Combustible

UN No.: NA 1993

Packing Group: III

Guide No. 128

The domestic provisions provided for in non-bulk and bulk ground shipments are not valid for transportation by aircraft or vessel and they are not valid for international shipments. Please follow the appropriate DOT regulations in 49 CFR and the information referenced where appropriate in the IATA Dangerous Goods Transportation Regulation, the International Maritime Organization (IMO), the International Civil Aviation Organization (ICAO) and our NFTA partner hazardous material regulation requirements.

## 15. REGULATORY INFORMATION

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

SARA TITLE III: Glycol ethers are listed under Sara Title 313.

CALIF. PROP. 65: This product contains mixtures which includes trace amounts of 1, 2 Propylene Oxide Cas # 75-56-9). 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 minimum levels; therefore, even trace amounts of the chemicals included on Proposition 65's list of chemicals known to the State of California to cause cancer or reproductive toxicity must be noted with the "Safe Harbor" wording. WARNING: This product contains 1, 2 Propylene Oxide – known to the State of California to cause cancer, birth defects or other reproductive harm.

CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS ABOVE THE MINIMUM AMOUNT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

### SCAQMD Rule 443.1

Photochemically Reactive: No

Maximum Grams of VOC per Liter: 485.8 gm/L

Vapor Pressure: 0.04 mm Hg@ 68 Degrees F

## 16. OTHER INFORMATION (HMIS)

Health: 2

Flammability: 2

Reactivity: 0

Protective: C

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.