

Product name: Printgen MG

## 1. identification of the substance/preparation and of the company/undertaking

Product Name: Printgen MG  
 Supplier: Matsui International Co., Inc.  
 1501 West 178<sup>th</sup> Street. Gardena, CA 90248, USA  
 Telephone number: +1 310-767-7812

## 2. Composition/information on ingredients

## Identification of the preparation

No	Chemical Name	CAS #	EU No.	Weight %
A	Propylene Glycol	57-55-6		60-100

## 3. Hazards identification

Physical state: Liquid.  
 Odor: Characteristic.  
 Human health effects: Aspiration hazard if swallowed. Can enter lungs and cause damage.  
 Safety hazards: None.

## 4. First-aid measures

Inhalation: Move exposed person to fresh air. Keep person warm and rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Move exposed person to fresh air. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

## 5. Fire-fighting measures

Flash Point: Closed cup: 99°C (210. 2F)

Flammable limits: Lower: 2.6%  
Upper: 12.6%

Products of combustion: Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Special exposure hazards: In a fire or if heated, a pressure increase will occur and the container may burst. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and

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self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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## 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see section 8).
Environmental precaution:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)
Methods for cleaning up:	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basement or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a license waste disposal contractor.

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## 7. HANDLING AND STORAGE

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Handling:	Wear suitable protective equipment and clothing as needed to prevent the material from contacting skin and eyes. Local exhaust ventilation or general ventilation is recommended during indoor operation.
Storage:	Store in a cool and dark place away from direct sunlight. Avoid freezing. Keep container tightly closed.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Consult local authorities for acceptable exposure limits.

Preventive measures:	Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace
Engineering controls:	Use local exhaust ventilation to maintain airborne concentrations below the TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it. For guidance on engineering control measures refer to publications such as the ACGIH current edition of 'Industrial Ventilation, a manual of Recommended Practice.'
Personal protection:	
- Respiratory protection:	Wear respirator when applicable
- Hand protection:	Wear rubber or plastic gloves.
- Eye protection:	Wear safety glasses or chemical goggles
- Skin and body protection:	Wear long sleeves, long pants and boots when applicable

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Form:	Liquid.
Color:	Colorless.
Odor:	Characteristic.
pH:	6
Boiling point:	186 to 189°C (366.8 to 372.2°F)

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Melting point:	-59°C (-74.2°F)
Flash point:	Closed cup. 99°C (210.2°F)
Vapor pressure:	0.011kPa (0.08mmHg)
Oxidizing properties:	Not available.
Relative density:	1.04
Octanol/water partition coefficient:	-1
Viscosity:	Kinematic:<0.2cm <sup>2</sup> /s (<20 cSt at 40°C)
Vapor density:	2.6[Air = 1]
Auto-ignition temperature:	421°C (789.8°F)
VOC content:	28% by ASTM D 2369 (110°C,60minutes)

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## 10. STABILITY AND REACTIVITY

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Stability and reactivity:	This product is stable.
Hazardous polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur.
Hazardous decomposition products:	Decomposition products may include the following materials carbon dioxide carbon monoxide

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## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity:

Product name	test	species	result	exposure
Propylene glycol	LD50 Oral	Rat	22000 to 31000mg/kg	-
	LD50 Dermal	Rabbit	21000mg/kg	-

### Potential acute health effects:

Ingestion	Aspiration hazard if swallowed. Can enter lungs and cause damage.
Inhalation	No known significant effects or critical hazards.
Eyes	No known significant effects or critical hazards.
Skin	No known significant effects or critical hazards.

### Potential chronic health effects

Target organs	None known.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.

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## 12. ECOLOGICAL INFORMATION

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### Bioaccumulative potential

Products name	LogPow	BCF	Potential
Propylene glycol	-1	-	low

Environmental effects: This product shows a low bioaccumulation potential.

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## 13. DISPOSAL INFORMATION

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### WASTE FROM RESIDUES /UNUSED PRODUCTS:

Dispose of in accordance with local, national, and EU regulations.

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CONTAMINATED PACKAGING: Dispose of in accordance with local, national, and EU regulations.

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14. TRANSPORT INFORMATION

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UN No: Not applicable.  
UN Class: Not applicable.  
NOTE: Comply with local, national, and EU regulations.  
Not classified as dangerous in the meaning of transport regulations according to IATA and ICAO.

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15. REGULATORY INFORMATION

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CLASSIFICATION: None.  
DANGER SYMBOL(S): None.  
RISK PHRASES: None required.  
SAFETY PHRASES: None required.

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16. OTHER INFORMATION

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The information set forth herein is to the best knowledge and belief of MATSUI International Co., Inc. If not employed as directed, we do not guarantee that the hazard precautions or procedures mentioned above are the only ones which exist and we do not assume responsibility in case of unusual use of this product.