

## MATERIAL SAFETY DATA SHEET

IDENTITY (As Used on Label and List)

TOYOBO Printight EF-G, EM-G, EA-G, EP-G Type

## Section I

Manufacturer's Name	TOYOBO CO., LTD.	Emergency Telephone Number	+81-6-348-3059
Address (Number, Street, City, State, and ZIP Code)		Telephone Number for Information	+81-6-348-3059
	2-8, Dojima Naha 2-Chome	Date Prepared	Jun. 4, 1996
	Kita-Ku, Osaka 530, Japan	Signature of Preparer	<i>Masato Miki</i>

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%
Methacrylic acid (CAS No 79-41-4)	—	20ppm	—	3
Methanol (CAS No 67-56-1)	200ppm	200ppm	NIOSH 200ppm	4

CHEMICAL FAMILY: Polyamide Based Photopolymer, Solid Type

## Section III - Physical/Chemical Characteristics

Boiling Point(°C)	N/A	Specific Gravity(H <sub>2</sub> O = 1)	1.2
Vapor Pressure(mmHg)	N/A	Melting Point	110°C
Vapor Density(AIR = 1)	N/A	Evaporation Rate(Butyl Acetate = 1)	N/A
Solubility in Water	10 %		
Appearance and Odor	Light brown solid resin. Slightly sweet odor.		

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits (%)	LEL	N/A	UEL	N/A
Extinguishing Media	Use carbon dioxide, dry chemical, foam and water-fog.					
Special Fire Fighting Procedures	Fire-fighters should wear self-contained breathing apparatus and proper eyes and skin protection.					
Unusual Fire and Explosion Hazards	Not considered a flammable material under normal use.					

## Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid To keep away from heat, spark, flame and any other sources of ignition. This is stable under normal storage and handling.
	Stable	×	

Incompatibility (Materials to Avoid)  
Avoid contact with oxidizing agents.

## Hazardous Decomposition or Byproducts

May form toxic substances : carbon monoxide, nitrogen oxide, chlorine compounds etc.

Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	×	

## Section VI - Health Hazard Data

Route(s) of Entry	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes
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## Health Hazards (Acute and Chronic)

Eyes and skin irritation. Harmful by solvent vapor inhalation.

Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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## Signs and Symptoms of Exposure

Dizziness, Headache, Irritation to eyes and skin (in the case of sensitive persons).

Medical Conditions Generally Aggravated by Exposure  
Dermatitis

## Emergency and First Aid Procedures

EYE CONTACT : Immediately gently rinse with water for at least 15 minutes. Get medical help.  
SKIN CONTACT : Wash the affected areas with water and soap.  
INHALATION : Remove to fresh air.  
INGESTION : Get medical help immediately.

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled  
Material is solid, cannot be spilled.

## Waste Disposal Method

Disposal by incineration or land-fill. Dispose of in accordance with Federal, State and local regulations.

## Precautions to Be Taken in Handling and Storing

Avoid skin contact with sheet material during processing. When handling plates during processing, gloves are necessary to avoid contact with the wash solution.

## Other Precautions

Empty containers may retain hazardous product residues, both liquid and vapor. Avoid skin contact and breathing vapor.

## Section VIII - Control Measures

Respiratory Protection (Specify Type)		N/A	
Ventilation	Local Exhaust Yes, generally required to reduce exposure to allowable level.	Special	Unknown
	Mechanical (General) fan.	Other	Unknown
Protective Gloves Impervious gloves		Eye Protection Safety glasses, goggles, or face shield.	
Other Protective Clothing or Equipment Impervious clothing should be worn to prevent skin contact with the material.			
Work/Hygienic Practices After handling, wash hands and face with soap and water.			