

Material Safety Data Sheet  
 May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

U. S. Department of Labor  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)

IDENTITY (As Used on Label and List)  
 Kimoplate e<sup>2</sup>

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name

KIMOTO CO., LTD.

Emergency Telephone Number

Address (Number, Street, City, State, and ZIP Code)

19-1 Shinjuku 2-chome Shinjuku-ku Tokyo 160-0022 Japan

Telephone Number for Information  
 03-3350-6401

Date Prepared  
 Dec. 19. 2002

Signature of Prepared (optional)

**Section II – Hazardous Ingredients / Identity Information**

Hazardous Components

(Specific Chemical Identity; Common Name(s))

OSHA PEL

ACGIH TLV

Other Limits  
 Recommended

% (Optional)

Titanium dioxide(CAS No.13463-67-7)

1~5

Total dust

15mg/m<sup>3</sup>-TWA

10mg/m<sup>3</sup>-TWA

**Section III – Physical / Chemical Characteristics**

Boiling Point

N.A.

Specific Gravity (H<sub>2</sub>O=1)

1.3

Vapor Pressure (mm Hg)

N.A.

Melting Point  
 (As Polyester film)

Approximately  
 260°C

Vapor Density (AIR=1)

N.A.

Evaporation Rate  
 (Butyl Acetate=1)

N.A.

Solubility in Water

Insoluble

Appearance and Odor

White film. Odorless.

**Section IV – Fire and Explosion Hazard Data**

Flash Point (Method Used)

No data.

Flammable Limits

LEL

N.A.

UEL

N.A.

Extinguishing Media

Water, Dry Chemical, CO<sub>2</sub>, Foam

Special Fire Fighting Procedures

Wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

None

N.A.=Not Applicable

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**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	x	None

## Incompatibility (Material to Avoid)

Strong oxidizing agents.

## Hazardous Decomposition or Byproducts

Carbon monoxide on incomplete combustion.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	x	None

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	No	No	No

## Health Hazards (Acute and Chronic)

N.A.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

## Signs and Symptoms of Exposure

N.A.

## Medical Conditions

Generally Aggravated by Exposure N.A.

## Emergency and First Aid Procedures

N.A.

**Section VII - Precaution for Safe Handling and Use**

## Steps to Be Taken in Case Material is Released or Spilled

N.A.

## Waste Disposal Method

Incineration or landfill. Dispose of accordance with local, state and federal regulations.

## Precautions to Be Taken in Handling and Storing

No special handling and storing required.

## Other Precautions

Keep away from open flame.

**Section VIII - Control Measures**

## Respiratory Protection (Specify Type)

Not required

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other

Not required

Protection Gloves	Eye Protection
Not required	Not required

## Other Protective Clothing or Equipment

Not required

## Work / Hygienic Practices

Wash hands after handling.