

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

Occupational Safety and Health Administration  
 (Non-Mandatory Form)

|   |  |
|---|--|
| <b>IDENTITY (As Used on Label and List)</b><br>Kimoplate e <sup>2</sup> | <b>Note:</b> 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**

|  |   |
|--|---|
| <b>Manufacturer's Name</b><br>KIMOTO CO. , LTD.  | <b>Emergency Telephone Number</b>                       |
| <b>Address (Number, Street, City, State, and ZIP Code)</b><br>19-1 Shinjuku 2-chome Shinjuku-ku Tokyo 160-0022 Japan | <b>Telephone Number for Information</b><br>03-3350-6401 |
|  | <b>Date Prepared</b><br>Dec. 19. 2002                   |
|  | <b>Signature of Prepared (optional)</b>                 |

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

| Hazardous Components<br>(Specific Chemical Identity; Common Name(s)) | OSHA PEL                 | ACGIH TLV                | Other Limits<br>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<br>(As Polyester film)  | Approximately<br>260°C |
| Vapor Density (AIR=1)  | N.A.                  | Evaporation Rate<br>(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<br>N.A. | UEL<br>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

**IDENTITY (As Used on Label and List)**Kimoplate e<sup>2</sup>**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 | Not required | Eye Protection | Not required |
|-------------------|--------------|----------------|--------------|

**Other Protective Clothing or Equipment**

Not required

**Work / Hygienic Practices**

Wash hands after handling.