

# MATERIAL SAFETY DATA SHEET

Issue Date : Feb. 17. 2006

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## 1. PRODUCT & COMPANY IDENTIFICATION

[PRODUCT NAME]

Organic Photoconductor for KIP 1900

[COMPANY IDENTIFICATION]

Name : Katsuragawa Electric Co.,Ltd

Address : 21-1, Shimomaruko 4-Chome, Ohta-ku, Tokyo, Japan

Telephone : 81-3-3758-3550

Facsimile : 81-3-3758-7568

EMERGENCY CONTACT

Please call the telephone number listed above.

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

[COMPOSITION/INFORMATION]

<u>Ingredients</u>	<u>CAS No.</u>	<u>Proportion</u>
Aluminum cylinder		>97%
Binder resin		<1%
Photosensitive material		<1%
Pigment		<1%

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## 3. HAZARDS IDENTIFICATION

[EMERGENCY OVERVIEW]

Reddish-brown, odorless and solid cylinder. None hazardous product.

[POTENTIAL HEALTH EFFECTS]

Based on animal testing, this product is presumed to be no health effects.

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## 4. FIRST-AID MEASURES

- EYE CONTACT No eye contact in normal use. If exposed to the dust of photoconductive layer, flush eyes with water. Get medical attention, if feels irritation.
  - SKIN CONTACT None treatment is required. If exposed to much of the dust of photoconductive layer, wash out with water.
  - INHALATION No inhalation in normal use. If exposed to the dust of photoconductive layer, get medical attention if cough or other symptoms develop.
  - INGESTION No ingestion in normal use. If swallowed the dust of photoconductive layer, induce vomiting as much as possible. Get medical attention, if feels something bad.
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#### 5. FIRE-FIGHTING MEASURES

- EXTINGUISHING MEDIA : CO<sub>2</sub>, Dry chemical, Foam or Water
- SPECIAL FIRE-FIGHTING PROCEDURES : None

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#### 6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS : None required under normal use.
- ENVIRONMENTAL PRECAUTIONS : None required under normal use.
- METHODS FOR CLEANING UP : No special precautions required in collection.

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#### 7. HANDLING & STORAGE

- HANDLING : No special precaution. Do not touch the photoconductive layer directly, expose to organic solvent vapor or sunlight to prevent degradation.
- STORAGE : Store in normal temperature, normal humidity and dark place. Avoid dew condensation, organic solvent vapor.

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#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

- OCCUPATIONAL EXPOSURE LIMIT : ACGIH Not established.  
OSHA Not established.
- ENGINEERING MEASURES : Not required.
- PERSONAL PROTECTIVE EQUIPMENT :
  - RESPIRATORY PROTECTION ; None required.
  - EYE PROTECTION ; Use safety glass.
  - SKIN PROTECTION ; No precautions.

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#### 9. PHYSICAL & CHEMICAL PROPERTIES

- APPEARANCE AND ODOR : Green, odorless and solid cylinder.
- DENSITY : 2.7
- BOILING POINT : n. a.
- MELTING POINT : Not available
- VAPOUR PRESSURE : n. a.
- SOLUBILITY IN WATER : Insoluble
- SOLUBILITY IN OTHER SOLVENT : Photoconductive layer is soluble in organic solvent like tetrahydrofuran.
- FLASH POINT : n. a.
- AUTOIGNITION TEMPERATURE : n. a.
- FLAMMABLE LIMITS : n. a.

\* n. a. :not applicable

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**10. STABILITY & REACTIVITY**

- STABILITY & REACTIVITY : Stable
  
- MATERIALS TO AVOID : Oxidizing material
  
- HAZARDOUS DECOMPOSITION PRODUCTS : None

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**11. TOXICOLOGICAL INFORMATION**

- ACUTE TOXICITY : oral (rat) LD<sub>50</sub> >2,000mg/kg<sup>1)</sup> (Photoconductive layer)  
skin (rabbit) LD<sub>50</sub> not available
- SKIN IRRITATION : No skin irritation was noted in the two week rat dermal toxicity study.<sup>2)</sup> (Photoconductive layer)
- EYE IRRITATION : No eye irritation was noted on the eyes of rabbits.<sup>3)</sup>  
(Photoconductive layer)
- SENSITIZING : Not available.
- CHRONIC TOXICITY : Not available.
- MUTAGENICITY : Negative in the Ames test.<sup>4)</sup> (Photoconductive layer)
- CARCINOGENICITY : IARC ; , ACGIH ; , NTP ; Not available.
- REPRODUCTIVE TOXICITY : Not available.

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**12. ECOLOGICAL INFORMATION**

No data available.

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**13. DISPOSAL CONSIDERATION**

Any disposal practice should be done under conditions which meet local, state and federal laws and regulations relating to waste (contact local or state environmental agency for specific rules).

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**14. TRANSPORT INFORMATION**

UN Haz. Class : None allocated. UN Number : None

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**15. REGULATORY INFORMATION**

This product do not fall in the category of the regulations and orders of section 6 and 7 of TSCA (Toxic Substance Control Act).

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**16. OTHER INFORMATION**

[MSDS STATUS] No specific notes.

[KEY DATA SOURCES]

1)- 3) Company Data

4) Test data of General Testing Research Center, Japan Oilstuff Inspectors' Corporation

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