

MATERIAL SAFETY DATA SHEET

DATE PREPARED : JAN. 17, 2003

1. PRODUCT & COMPANY IDENTIFICATION

[PRODUCT NAME]

Organic Photoconductor for Swallow, Humming Bird (SS7) (Muratec DKT112)

[COMPANY IDENTIFICATION]

SUPPLIER

Name : Mitsubishi Chemical Corporation

Address : 5-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100, Japan

Telephone : 81-3-3283-6765

Facsimile : 81-3-3283-6965

EMERGENCY CONTACT

Please call the telephone number listed above.

MANUFACTURER

Name : Mitsubishi Chemical Corporation

Address : 5-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100, Japan

Telephone : 81-3-3283-6765

Facsimile : 81-3-3283-6965

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%

3. HAZARDS IDENTIFICATION

[EMERGENCY OVERVIEW]

Green, odorless and solid cylinder. None hazardous product.

[POTENTIAL HEALTH EFFECTS]

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

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.

5. FIRE-FIGHTING MEASURES

- EXTINGUISHING MEDIA : CO₂, Dry chemical, Foam or Water

- SPECIAL FIRE-FIGHTING PROCEDURES : None

6. ACCIDENTAL RELEASE MEASURES

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

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.

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.

9. PHYSICAL & CHEMICAL PROPERTIES

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

* n. a. :not applicable

10. STABILITY & REACTIVITY

- STABILITY & REACTIVITY : Stable

- MATERIALS TO AVOID : Oxidizing material

- HAZARDOUS DECOMPOSITION PRODUCTS : None

11. TOXICOLOGICAL INFORMATION

- ACUTE TOXICITY : oral (rat) LDLo >2,000mg/kg¹⁾ (Photoconductive layer)
skin (rabbit) LD₅₀ not available
- SKIN IRRITATION : No skin irritation was noted in the two week rat dermal toxicity study.²⁾ (Photoconductive layer)
- EYE IRRITATION : Reversible eye irritation potential to the eyes of rabbits.³⁾ (Photoconductive layer)
- SENSITIZING : Not available.
- CHRONIC TOXICITY : Not available.
- MUTAGENICITY : Negative in the Ames test.⁴⁾ (Photoconductive layer)
- CARCINOGENICITY : IARC ; , ACGIH ; , NTP ; Not available.
- REPRODUCTIVE TOXICITY : Not available.

12. ECOLOGICAL INFORMATION

No data available.

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).

14. TRANSPORT INFORMATION

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

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).

16. OTHER INFORMATION

[MSDS STATUS] No specific notes.

[KEY DATA SOURCES]

- 1) Test data of Mitsubishi Chemical Safety Institute Ltd.
 - 2) Test data of Mitsubishi Chemical Safety Institute Ltd.
 - 3) Test data of Mitsubishi Chemical Safety Institute Ltd.
 - 4) Test data of General Testing Research Center, Japan Oil stuff Inspectors' Corporation
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