

# S H A R P

Date Revised: Apr. 8. 2008

Date Issued :Feb. 19. 2002

## MATERIAL SAFETY DATA SHEET (1/4)

MSDS No. B-1027

### Section 1. Product and Company Identification

Product Name : PHOTOCODUCTOR FO-47DR

Supplier Identification : Sharp Corporation

22-22 Nagaike-cho, Abeno-ku, Osaka, Japan

Local suppliers are listed below. Please contact the nearest supplier for additional information.

(Country)	(Name and Telephone Number)
U.S.A.	Sharp Electronics Corporation Telephone number for information: 1-800-237-4277 Emergency telephone number : 1-800-255-3924
Canada	Sharp Electronics of Canada Ltd. Telephone number for information : 905-890-2100 Emergency telephone number : 1-800-255-3924
United Kingdom	Sharp Electronics (U. K.) Ltd. Telephone number for information : 01923-474013
Australia New Zealand	AUSTRALIA SHARP CORPORATION OF AUSTRALIA PTY. LTD.: (Phone) 02-9830-4600, 1800 807 820 NEW ZEALAND SHARP CORPORATION OF NEW ZEALAND LTD.: (Phone) 09-634-2059

### Section 2. Ingredients

Major Ingredients:

[Generic Name]	[CAS No.]	[%]
Substrate		>99
Aluminum drum	+++	
Coating layer		< 1
Binder resin	+++	
Photosensitive material	+++	
Pigment	+++	

+++ : Supplier's confidential information

### Section 3. Hazardous Identification

Most Important Hazards and Effects of the Products

For Human Health: No symptoms expected with intended use.

For the Environment: No data are available on the adverse effects of this product on the environment.

For Others: None

Specific Hazards: None

### Section 4. First-Aid Measures

Symptoms of Overexposure: No symptoms expected with intended use.

Routes of Entry: None

Information

Inhalation: No treatment is required.

Skin Contact: No treatment is required.

Eye Contact: No treatment is required.

Ingestion: No treatment is required.

Note to Physician: None

Further Information: None

### Section 5. Fire-Fighting Measures

Suitable Extinguishing Media: CO2, water, foam and dry chemical

Extinguishing Media to Avoid: None

Special Firefighting Procedures: None

Fire and Explosion Hazards: This material has no unusual fire or explosive hazards.

Protection of Firefighters: No special equipment is required.

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### Section 6. Accidental Release Measures

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Personal Precautions: Not applicable with intended use.  
Environmental Precautions: Not applicable with intended use.  
Methods for Cleaning Up: Not applicable with intended use.  
Further Information: None

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### Section 7. Handling and Storage

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#### Handling

Technical Measures: None  
Precautions: This product will be scorched in the case of fire.  
Safe Handling Advice: None.

#### Storage

Technical Measures: None  
Storage Conditions: Keep and Store in a cool and dry place.  
Incompatible Products: None  
Packing Materials: Cardboard box designated by Sharp.

Further Information: None

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### Section 8. Exposure Control/Personal Protection

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#### Engineering Measures

Ventilation: None required with intended use.

#### Control Parameters

OSHA-PEL(USA): Not Applicable                      ACGIH-TLV(USA): Not Applicable  
DFG-MAK(EC): Not Applicable                      Worksafe-TWA(Austl): Not Applicable

#### Personal Protective Equipment

Respiratory protection: None required when used as intended in Sharp equipment.  
Hand Protection: None required when used as intended in Sharp equipment.  
Eye protection: None required when used as intended in Sharp equipment.  
Skin Protection: None required when used as intended in Sharp equipment.  
Other: None

Hygiene Measures: Wash hands after handling.

Further Information: None

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### Section 9. Physical and Chemical Properties

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#### Appearance

Physical State: Solid                      Form: Cylinder                      Color: Green                      Odor: Odorless

<<Results of the coated compounds on the aluminum substrate.>>

Boiling Point: Not applicable  
Melting/Softening Point: No data available  
Flash Point: Not applicable  
pH: Not applicable  
Explosion Properties: Not applicable  
Density(g/cm<sup>3</sup>): 2.7  
Solubility in water: insoluble  
Flammability: Not applicable  
Oxidizing Properties: No data available  
Ignition Temperature(°C): No data available  
Vapor Pressure: Not applicable  
Partition Coefficient, n-Octanol/Water: Not applicable

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### Section 10. Stability and Reactivity

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Stability: Stable [ X ] Unstable [ ]  
Hazardous Reactions: None  
Conditions to avoid: None  
Materials to Avoid: None  
Hazardous Decomposition Products: CO, CO2  
Further Information: None

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### Section 11. Toxicological Information

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Health Effects from Exposure: No symptoms expected with intended use.

#### Toxicological Data

<<Result of the coated compounds on the aluminum substrate.>>

#### Acute Toxicity:

Inhalation, LC50(mg/l): Not applicable  
Ingestion(oral), LD50(mg/kg): >3570 (Rats) \*  
Dermal, LD50(mg/kg): Not applicable  
Eye irritation: Mild irritation (Rabbits) \*  
Skin irritation: Not an irritant (Rabbits) \*  
Skin sensitizer: No data available

Mutagenicity: Negative (AMES test)

Local Effects: No data available

Chronic Toxicity or Long Term Toxicity: None

#### Carcinogenicity

IARC Monographs: Not listed  
NTP(USA): Not listed  
OSHA Regulated(USA): Not listed

(\* = Based on data for other Products with similar ingredients)

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### Section 12. Ecological Information

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Mobility: No data are available on the adverse effects of this material on the environment.

Persistence/Degradability: No data are available on the adverse effects of this material on the environment.

Bioaccumulation: No data are available on the adverse effects of this material on the environment.

#### Ecotoxicity

Behavior in Sewage Works: No data are available on the adverse effects of this material on the environment.

Aquatic Toxicity: No data are available on the adverse effects of this material on the environment.

#### Ecological Data(EC)

Csb Value(EC): No data are available on the adverse effects of this material on the environment.

AOX-Remark(EC): No data are available on the adverse effects of this material on the environment.

BsB5 Value(EC): No data are available on the adverse effects of this material on the environment.

Significant Components(EC): Not applicable

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### Section 13. Disposal Consideration

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#### Appropriate Methods of Disposal

##### Preparation(community provisions):

Waste may be disposed or incinerated under conditions which meet all federal, state and local environmental regulations.

##### Contaminated Packaging:

Waste may be disposed or incinerated under conditions which meet all federal, state and local environmental regulations.

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**Section 14. Transport Information**

Special Precautions: None

Information on Code and Classifications According to International Regulations

UN Classification: None

Land

RID(EC): None

ADR(EC): None

DOT(USA): None

Inland Waterways

ADNR(Rhine R.): None

Sea

IMDG: None

Air

ICAO-TI: None

IATA-DGR: None

**Section 15. Regulatory Information**

US Information

Information on the label: Not required

SARA(Superfund Amendments and Reauthorization Act) Title III

302 Extreme Hazardous Substance: None

311/312 Hazard Categories: None

313 Reportable Ingredients: None

California Proposition 65:

This product contains no chemical substances subject to California Proposition 65.

EU Information

Information on the label(88/379/EEC and 67/548/EEC):

Symbol &amp; Indication: Not required

R-Phrase: Not required

S-Phrase: Not required

**Section 16. Other Information**

NFPA Hazard Rating: The National Fire Protection Agency(USA):

Health: 0 Flammability: 1 Reactivity: 0

HMIS RATING: The National Paint and Coating Association(USA):

Health: 0 Flammability: 1 Reactivity: 0

Recommended Uses:

Photoconductor for Electrophotographic Equipment

Restrictions: This information relates only to the specific material designated as supplied by the manufacturer. This information is supplied to us by the manufacturer and Sharp offers no warranties as to its accuracy and accepts no responsibilities for any typographical errors which may appear on these sheets. It is the responsibility of the user to determine the suitability of this product for each particular use.

Literature References:

ANSI Z400.1-1993

TRGS 220: Sicherheitsdatenblatt für gefährliche Stoffe und Zubereitungen

ISO 11014-1

Commission Directive 91/155/EEC

The Material Safety Data sheet: A Practical Guide to First Aid:

Canadian Centre for Occupational Health and Safety's publication

HMIS IMPLEMENTATION MANUAL: National Paint &amp; Coatings association

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Apr. / 8 / 2008 Periodical review (no change)

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