

TOSHIBA MATERIAL SAFETY DATA SHEET

Date of Preparation : 20 January , 2005
Date of Revised :

MSDS : OD170FKWJ1W
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SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : OD-170F
Used for : Toshiba Copiers, e-STUDIO 170F
Company Name : Toshiba TEC Corporation
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SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS No.</u>	<u>wt.%</u>
Aluminum	7429-90-5	>97
Coating		<3
Photosensitive material	-----	-----
Binder resin	-----	-----
Additive	-----	-----
	-----	Trade Secret

SECTION 3 HAZARDS IDENTIFICATION

Most Important Hazards and Effects of the Products

Human Health Effects : Not applicable under normal use
Environmental Effects : Not applicable under normal use
Specific hazards : None

SECTION 4 FIRST AID MEASURES

Route(s) of Entry

Inhalation? : No
Skin? : No
Ingestion ? : No
Inhalation : Not applicable under normal use
Skin Contact : Not applicable under normal use
Eye Contact : Not applicable under normal use
Ingestion : Not applicable under normal use

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SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media : CO₂, dry chemicals
Special Fire fighting Procedure : None
Fire & Explosion Hazards : None under normal storage and use conditions

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions : No special precaution
Environmental Precautions : No special precaution

SECTION 7 HANDLING AND STORAGE

Handling

Technical Measures : None
Precautions : None
Safe Handling Advice : No special precaution concerning safety

Storage

Technical Measures : None
Storage Conditions : To keep the function of the drum, store in moderately cool, dark and dry place.
Incompatible Products : None

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Ventilation : None required with intended use.

Exposure Limits

OSHA PELs (TWA)

Aluminum : 15mg/m³ (Listed not as aluminum tube but as aluminum dust)
Other substances : Not listed

ACGIH TLVs (TWA)

Aluminum : 15mg/m³ (Listed not as aluminum tube but as aluminum dust)
Other substances : Not listed

DFG-MAK (TWA)

All substances : Not listed

NOHSC (TWA)

All substances : Not listed

Personal Protective Equipment

Respiratory Protection : Not required under intended use.
Hand Protection : Not required under intended use.
Eye Protection : Not required under intended use.
Skin Protection : Not required under intended use.
Other Protective Equipment : Not required under intended use.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical State : Solid
Form : Film on Aluminum cylinder
Color : Green
Scent : Almost odorless
Melting Point : No data available
Flash Point : No data available
Ignition Point : Not applicable
Specific Gravity(H₂O=1) : 2.7
Explosion Properties : None
Solubility in Water : Insoluble
pH Value : Not applicable

SECTION 10 STABILITY AND REACTIVITY

Stability : Stable
Hazardous Reactions : None
Conditions to avoid : No data available
Materials to avoid : Strong oxidizing agents and organic solvents
Hazardous Decomposition Products : None under normal use
Further Information : None

SECTION 11 SUPPLEMENTAL HEALTH INFORMATION

<Result of the coated compounds on the aluminum substrate>

Acute oral toxicity : LD50 is greater than 2,000mg/kg.(coating material)
Acute inhalation : No data available
Eye irritation : No data available
Skin irritation : No data available
Skin sensitization : No data available
Mutagenicity : Negative in the Ames test.(coating material)
Carcinogenicity : None
Chronic Effects : No carcinogen or potential carcinogen according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, ILO, MAK, Proposition 65, TRGS 905 and EU Directive.

SECTION 12 ECOLOGICAL INFORMATION

No data available.

SECTION 13 DISPOSAL CONSIDERATION

Waste from residues : OPC drum may be disposed as the waste aluminum in accordance with local state and federal regulations.

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SECTION 14 TRANSPORTATION INFORMATION

UN Classification Number : None
Land DOT(USA) : None
Sea IMDG : None
Air ICAO-TI : None

SECTION 15 REGULATORY INFORMATION

US Information

SARA(Superfund Amendments and Reauthorization Act) Title III

302 Extreme Hazardous Substance

: None

311/312 Hazard Classification

: None

EU Information

67/548/EEC & 1999/45/EC

Symbol & Indication : Not required

Risk Phrase : Not required

Safety Advise Phrase : Not required

76/769/EEC : All chemical substances in this product comply with all applicable rules or order under 76/769/EEC.

SECTION 16 OTHER INFORMATION

National Fire Protection Association (NFPA) Classification :

Flammability : 1

Reactivity : 0

Health : 1

(0 = insignificant, 1 = slight)

WHMIS Legislation (Canada) : This product is not a controlled product.

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