

Material Safety Data Sheet

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MSDS No. : 021-001276

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Revised :

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

PRODUCT NAME : Drum Cartridge for Panasonic Facsimile Transceiver, Model
UF-5600 & UF-4600

PRODUCT NUMBER : UG-3390

MANUFACTURER : Panasonic System Networks Co., Ltd.
Imaging Systems Business Unit
4-1-62 Minoshima, Hakata-ku, Fukuoka City, 812-8531 Japan
Tel : +81-(0)92-477-1821 Fax : +81-(0)92-477-1487
E-mail : msdsinfo_ut@ml.jp.panasonic.com

CONTACT POINT : Panasonic Testing Center
Panasonic Marketing Europe GmbH
Winsbergring 15, D-22525 Hamburg, Germany
Tel: +49 (0)40 8549- 0

SECTION 2 HAZARDOUS IDENTIFICATION

CLASSIFICATION OF GHS : Not applicable
PHYSICAL & CHEMICAL HAZARDS : No significant hazards associated with this product.
POTENTIAL HEALTH EFFECTS : No significant hazards associated with this product.
ENVIRONMENTAL EFFECTS : No significant hazards associated with this product.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS (Common Name)	CAS #	PROPORTION (% by wt.)	OSHA PEL	ACGIH TLV	OTHER LIMITS
. Aluminum	7429-90-5	> 98.2	15 mg/m3 *	10 mg/m3(TWA)*	None
. Phthalocyanine compound		< 0.5	None established	None established	None
. Aromatic amine compound		< 1.0	None established	None established	None
. Polycarbonate resin		< 2.0	None established	None established	None
. Silicon oil		< 0.1	None established	None established	None

* Listed not as aluminum tube but as aluminum dust

SECTION 4 FIRST AID MEASURES

FIRST AID MEASURES :

INGESTION : Not applicable under normal use.

INHALATION : Not applicable under normal use.

EYE CONTACT : Not applicable under normal use.

SKIN CONTACT : Not applicable under normal use.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : CO2, Dry chemicals

SPECIAL FIRE FIGHTING PROCEDURES :

Use self contained breathing apparatus and full protection against dust fumes in case that a large quantity of drums produces fumes or vapors at a high temperature.

UNUSUAL FIRE AND EXPLOSION HAZARDS :

None under normal storage and use conditions.

SECTION 6 ACCIDENTIAL RELEASE MEASURES

PERSONAL PRECAUTIONS : No special precaution
ENVIRONMENTAL PRECAUTIONS : No special precaution
METHODS FOR CLEANING UP : No special precaution

SECTION 7 HANDLING AND STORAGE

HANDLING : No special precaution concerning safety.
STORAGE : To keep the function of the drum, store in moderately cool, dark and dry place.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES : None
ENGINEERING CONTROLS : Not required under normal use.
PERSONAL PROTECTIVE EQUIPMENT(S):
RESPIRATORY PROTECTION : Not required under normal use.
EYE/FACE PROTECTION : Not required under normal use.
SKIN PROTECTION : Not required under normal use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Black-brown cylinder
ODOR : No odor
pH : Not applicable
BOILING POINT (°C): No data available
MELTING POINT (°C): No data available
DECOMPOSITION TEMPERATURE : No data available
FLASH POINT (°C): No data available
FLAMMABLE (EXPLOSIVE) LIMITS : Not applicable
AUTOIGNITION TEMPERATURE : No data available
FLAMMABILITY : Not applicable
EXPLOSIVE PROPERTIES : Not applicable
OXIDIZING PROPERTIES : Not applicable
VAPOR PRESSURE : Not applicable
VAPOR DENSITY (AIR = 1): Not applicable
DENSITY/SPECIFIC GRAVITY : 2.7(H₂O=1)
WATER SOLUBILITY : Negligible
FAT SOLUBILITY : No data available
PARTITION COEFFICIENT (n-OCTANOL/WATER): No data available
PERCENT VOLATILE : No data available
EVAPORATION RATE : No data available

SECTION 10 STABILITY AND REACTIVITY

STABILITY : Stable
CONDITIONS TO AVOID : No data available
MATERIALS TO AVOID : Strong oxidizing agents and organic solvents.
HAZARDOUS DECOMPOSITION PRODUCTS : None under normal use.
HAZARDOUS POLYMERIZATION : Will not occur.
CONDITIONS TO AVOID : No data available

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY : No data available
ACUTE DERMAL TOXICITY : No data available
ACUTE INHALATION TOXICITY : No data available
ACUTE EYE IRRITATION : No data available
ACUTE SKIN IRRITATION : No data available
SKIN SENSITIZATION : No data available
MUTAGENICITY : Negative in Ames test(coating material)
REPRODUCTIVE TOXICITY : No reproductive toxicity according to MAK,
Proposition 65, TRGS 905 and EU directive.
CARCINOGENICITY : 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.
OTHER : None

SECTION 12 ECOLOGICAL INFORMATION

MOBILITY : No data available
PERSISTENCE DEGRADABILITY : No data available
BIOACCUMULATION : No data available
ECOTOXICITY : No data available
OTHER ADVERSE EFFECT : No data available

SECTION 13 DISPOSAL CONSIDERATION

METHOD OF DISPOSAL : OPC drum may be disposed as the waste aluminum in accordance
with local, state and federal regulations.

SECTION 14 TRANSPORT INFORMATION

UN NUMBER : None
UN SHIPPING NAME : None
UN CLASSIFICATION : None
UN PACKING GROUP : None
SPECIAL PRECAUTION : None

SECTION 15 REGULATORY INFORMATION

LABEL INFORMATION ACCRDING TO THE DIRECTIVES 1999/45/EC and 67/548/EEC(EU):
SYMBOL AND INDICATION : Not required
R-PHRASE : Not required
S-PHRASE : Not required
DANGEROUS COMPONENT(S): None
OTHER : None

SECTION 16 OTHER INFORMATION

None.

Information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions.