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Material Safety Data Sheet

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MSDS No.: 021-000744

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SECTION 1 PRODUCT IDENTIFICATION

Product Name : Drum unit for Panasonic Digital Color Imaging System,
Models DP-C354, DP-C323, DP-C264, DP-C263 and DP-C213

Product No. : DQ-UHS30, DQ-UHS36K (Parts No. PJAFC0001ZA)

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>PROPORTION (% by wt.)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>
Aluminum cylinder		> 97	None established	None established	None
Binder resin		< 1	None established	None established	None
Photosensitive material		< 1	None established	None established	None
Pigment		< 1	None established	None established	None

SECTION 3 HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW : Brown, odorless and solid cylinder.
None hazardous product.

POTENTIAL HEALTH EFFECTS :

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

SECTION 4 FIRST AID MEASURES

EYES : 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 : None treatment is required. If exposed to much of the dust of
photoconductive layer, wash out with water.

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.

INHALATION : No inhalation in normal use. If exposed to the dust of
photoconductive layer, get medical attention if cough or other
symptoms develop.

SECTION 5 FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES : Not applicable.
FLASH POINT : Not applicable.
FLAMMABLE LIMITS :
LFL : Not applicable.
UFL : Not applicable.
EXTINGUISHING MEDIA : CO₂, Dry chemical, Foam or water.
FIRE-FIGHTING EQUIPMENT : Suitable personal protective equipment.

SECTION 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.

SECTION 7 HANDLING AND 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.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMIT : ACGIH Not established.
OSHA Not established.
ENGINEERING MEASURES : Not required.
PERSONAL PROTECTIVE EQUIPMENT :
RESPIRATORY PROTECTION : None required.
SKIN PROTECTION : Not precautions.
EYE PROTECTION : Use safety glass.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Brown and solid cylinder
ODOR : Odorless
BOILING POINT (°C) : Not applicable
VAPOR PRESSURE (mm Hg.) : Not applicable
DENSITY : 2.7
SPECIFIC GRAVITY (H₂O=1) : No data available
SOLUBILITY IN WATER : Insoluble
SOLUBILITY IN OTHER SOLVENT : Photoconductive layer is soluble in organic solvent like Tetrahydrofuran.

SECTION 10 STABILITY AND REACTIVITY

STABILITY : This is a stable product.
HAZARDOUS DECOMPOSITION PRODUCTS : None
HAZARDOUS POLYMERIZATION : None

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : oral(rat) LD50 >2,000mg/kg * (Photoconductive layer)
skin(rabbit) LD50 not available

SKIN IRRITATION : No skin irritation was noted in the two week rabbit dermal toxicity study.* (Photoconductive layer)

EYE IRRITATION : Reversible and minimally eye irritation potential to the eyes of rabbits.* (Photoconductive layer)

SENSITIZING : Not available.

CHRONIC TOXICITY : Not available.

MUTAGENICITY : Negative in the Ames test.* (Photoconductive layer)

CARCINOGENICITY : No carcinogen or potential carcinogen, according to IARC Monographs, NTP and ACGIH.

REPRODUCTIVE TOXICITY : Not available.

*= Test data of Mitsubishi Chemical Safety Institute Ltd.

SECTION 12 ECOLOGICAL INFORMATION

No data available.

SECTION 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).

SECTION 14 TRANSPORT INFORMATION

UN CLASSIFICATION : None allocated.
UN No. : None.

SECTION 15 REGULATORY INFORMATION

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

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.