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Graphic Communication Products Division

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Material Safety Data Sheet

Page: 1 of 4

MSDS No.: 021-000038

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SECTION 1 PRODUCT IDENTIFICATION

Product Name : Toner, Toner Cartridge UG-3313 for Panasonic Facsimile machines
Models UF-550/560/770/880, DF-1100, UF-885/895, DX-1000 and
DX-2000
Product No. : UG-3313 Toner

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u> (Common Name)	<u>CAS #</u>	<u>PROPORTION</u> (% by wt.)	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>
• Styrene acrylate copolymer	27136-15-8	59.0	None established	None established	None
• Iron oxide	1317-61-9	38.0	None established	None established	None
• Polypropylene	25085-53-4	3.0	None established	None established	None

SECTION 3 HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW : Fine black powder.

POTENTIAL HEALTH EFFECTS:

EYE EFFECTS : Mild irritant.

SKIN EFFECTS : None currently known.

INGESTION EFFECTS : May be harmful if swallowed.

INHALATION EFFECTS : Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust. May cause cough and rise phlegm.

CHRONIC EFFECTS : Not aware of any health effects associated with toner under its intended use.

CARCINOGENICITY : No NTP, No IARC Monographs, No OSHA regulated.

SECTION 4 FIRST AID MEASURES

EYE CONTACT : Flush with enough water.
SKIN CONTACT : Wash with soap and water.
INHALATION : Remove to fresh air.
IF SWALLOWED : Dilute stomach contents with several glasses of water.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT : Not applicable.
FLAMMABLE LIMITS : Not applicable.
EXTINGUISHING MEDIA : Water fog, dry chemical, foam or CO₂.

SECTION 6 ACCIDENTIAL RELEASE MEASURES

METHOD FOR CLEANING UP : Sweep up or clean up with vacuum cleaner.

SECTION 7 HANDLING AND STORAGE

HANDLING : None required when used as intended.

STORAGE : None required when used as intended.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE STANDARDS : TLV=10mg/m³ (as total dust/ACGIH)

ENGINEERING CONTROLS : None required under normal use.

VENTILATION : None required under normal use.

RESPIRATORY PROTECTION : None required under normal use.

SKIN PROTECTION : None required under normal use.

EYE PROTECTION : None required under normal use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Black fine powder
ODOR : None
pH : Not applicable
VAPOR PRESSURE (mg Hg.) : Not applicable
VAPOR DENSITY (AIR = 1) : Not applicable
EVAPORATION RATE : Not applicable
BOILING POINT (°C) : Not applicable
MELTING POINT (°C) : No data available
SOLUBILITY IN WATER : Negligible
SPECIFIC GRAVITY (H₂O=1) : 1.6

SECTION 10 STABILITY AND REACTIVITY

STABILITY : This is a stable product.
INCOMPATIBILITY : None
HAZARDOUS DECOMPOSITION : None
HAZARDOUS POLYMERIZATION : Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

No data available.

SECTION 12 ECOLOGICAL INFORMATION

No data available.

SECTION 13 DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD : Dispose of in accordance with federal, state and local environmental regulations.

SECTION 14 TRANSPORT INFORMATION

UN CLASS : None allocated.

SECTION 15 REGULATORY INFORMATION

Components of this product are listed on the TSCA Inventory.

SECTION 16 OTHER INFORMATION

No specific notes.

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.