

IDENTITY (As Used on Label and List) D-62P Developer for copier BD-5610/5620 and BD-4810

000723

Section I

| | |
|---|--|
| Manufacturer's Name Toshiba Coporation Yanagicho Works | Emergency Telephone Number 714-583-3000 |
| | Telephone Number for Information 714-583-3000 |
| Address (Number, Street, City, State and ZIP Code) 70, Yanagi-cho, Saivai-ku, Kawasaki-shi, 210 Japan | Data Prepared December 14, 1987 |
| | Signature of Preparer (optional) M. Komai |

Section II - Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Names) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % |
|--|-----------------------------|-----------------------------|--------------------------|------|
| Toner | | | | |
| Styren-acrylate copolymer | n.a. | n.a. | None | 3.5 |
| Polypropylene | n.a. | n.a. | None | |
| Carbon black | 3.5mg/m ³ | 3.5mg/m ³ | None | |
| Inorganic pigment | n.a. | n.a. | None | |
| Organic pigment | n.a. | n.a. | None | |
| Additives | n.a. | n.a. | None | |
| Carrier (Ferrite) | | | | |
| Iron oxide (Fe ₂ O ₃) | 10mg/m ³ as Fume | 5 mg/m ³ as Fume | None | 96.5 |
| Copper oxide (CuO) | n.a. | n.a. | None | |
| Zinc oxide (ZnO) | 5mg/m ³ as Fume | 5mg/m ³ as Fume | None | |
| Manganese (Mn) | 5mg/m ³ | 1mg/m ³ as Fume | None | |

Section III - Physical/Chemical Characteristics

| | | | |
|------------------------|---|---|---------|
| Boiling Point | n.a. | Specific Gravity (H ₂ O = 1) | 5.8~6.8 |
| Vapor Pressure (mm Hg) | n.a. | Melting Point | n.a. |
| Vapor Density (AIR=1) | n.a. | Evaporation Rate / (Butyl Acetate = 1) | n.a. |
| Solubility in Water | Negligible | | |
| Appearance and Odor | Fine black powder, practically odorless | | |

Section IV - Fire and Explosion Hazard Data

| | | | | |
|------------------------------------|---|------------------|----------|----------|
| Flash Point (Method Used) | n.a. | Flammable Limits | LEL n.a. | UEL n.a. |
| Extinguishing Media | CO ₂ , dry chemical, foam or water. | | | |
| Special Fire Fighting Procedures | This material will burn in the case of fire. The decomposition products are CO, CO ₂ and NOx. | | | |
| Unusual Fire and Explosion Hazards | This material has no unusual fire or explosion hazards. | | | |

Section V - Reactivity Data

| | | | |
|---------------------------------------|----------------|---|------------------------------|
| Stability | Unstable | | Conditions to Avoid |
| | Stable | X | |
| Incompatibility (Materials to Avoid) | | | None |
| Hazardous Decomposition or Byproducts | | | CO, CC ₂ and NOx. |
| Hazardous Polymerization | May Occur | | Conditions to Avoid |
| | Will not occur | X | |

Section VI - Health Hazard Data

Route(s) of Entry : Inhalation ? Yes Skin ? No Ingestion ?
Possible but very unusual.

Health Hazards (Acute and Chronic)

LDLo value of this toner in an oral acute toxicity test is over 5.0g/Kg.

Carcinogenicity : NTP ? IARC Monographs ? OSHA Regulated ?
No No No

Signs and Symptoms of Exposure

Minimum irritation to respiratory tract may occur as with exposure to any non-toxic dust.

Medical Conditions

Generally Aggravated by Exposure

Accumulation of dust in the respiratory system.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air if effects occur. consult local medical personnel.
Eyes: In case of contact. immediately flush eyes with water for 5 minutes.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Sweep up or clean up with a vacuum cleaner.

Waste Disposal Method

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

Precautions to Be Taken in Handling and Storing

No special storage requirements for safety reason.

Other Precautions

None

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None required under normal use.

| | | | | |
|-------------|----------------------|----|---------|----|
| Ventilation | Local Exhaust | No | Special | No |
| | Mechanical (General) | No | Other | No |

Protective Gloves None required under normal use. Eye Protection None required under normal use.

Other Protective Clothing or Equipment

None required under normal use.

Work/Hygienic Practices

Inhalation should be avoided.