# Material Safety Data Sheet



MSDS No.: **TN130-00MO** Date · Revision **2001.08.08**

## 1. **PRODUCT AND COMPANY** IDENTIFICATION

Manufacturer :Fuji Xerox Co., Ltd
Address :Akasaka Twin Tower East,
17-22, Akasaka-2-choume,
Minato-ku,Tokyo,Japan 107-0052

Contact Point

Minolta-QMS, Inc.
Address: One Magnum Pass
Mobile, AL 36618 USA
Telephone Number: (800) 622-5546

Product Name:

magicolor 3100 series Magenta Toner

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Nature:

| Chemical Name | Ingredients (% by wt.) | CAS Registry Number |
|---|---|---|
| Polyester | 80-90 | — |
| Red pigment | 5-10 | — |
| Paraffin waxes | < 5 | — |
| Vegetable wax | < 5 | — |
| Amorphous silica | < 5 | — |

UN Hazard Class : None UN Number : None

## 3. HAZARDOUS IDENTIFICATION

Physical and Chemical Hazard: None
Adverse Human Health Effects: None
Environmental Effects: None

## 4.FIRST-AID MEASURES

Eye contact : Flush with a large amount of water for at least 15 minutes. Seek medical advice.
Skin contact: Wash with soap and water.
Inhalation: Remove from exposure and provide fresh air. Rinse mouth with water.
Ingestion : Rinse mouth with water. Give several glasses of water to drink and seek medical advice.

## 5. FIRE-FIGHTING MEASURES

Specifid method: In case of fire use extinguishing media.
When in a machine, treat as an electrical fire.

Extingishing media: Water spray, Foam, Dry chemicals

## 6.ACCIDENTAL RELEASE MEASURES

Shut off ignition sources. For small spills, sweep up or soak up with damp cloth.
For large spills, wear proper protective equipment and place waste material in closed container.
Dispose of in accordance with federal, state and local regulations.

## 7.HANDLING AND STRAGE

Handling: Do not incinerate toner or a toner cartridge. Do not dissemble a cartridge.

Storage : Keep in cool, dry and well-ventilated area. Keep out of reach of children.

## 8. EXPOSURE CONTROL /PERSONAL PROTECTION

Control Parameter

ACGIH TLV (2001): 10 $mg/m^3$ (Total)
3 $mg/m^3$ (Respirable)

Precautionary Mesured: None required when used as intended in Minolta-QMS equipment.
For use other than normal customer operating procedures(such as in bulk toner processing facilities), local exhaust ventilation may be required.

Personal Protective Equipment: None required when used as intended in Minolta-QMS equipment.
For use other than normal customer operating procedures(such as in bulk toner processing facilities), protective glove, goggles and respirators may be required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| Appearance/Odor: | Red Powder / Faint Odor | | |
| Boiling Point(OC): | Not applicable | Vaper Pressure: | Not applicable |
| Volatile (%): | Not applicable | Softening Point: | Not available |
| Specific Gravity($H_2O$=1): | Not available | Initial Boiling Point: | Not applicable |
| Solubility in water: | Negligible | Other Data: | None |

## 10.STABILITY AND REACTIVITY

Flash Point(OC): Not applicable Auto-Ignition Temperature:Not applicable

Explosion Limit: Not applicable

Flammability: Not flammable under conditions of use

Spontaneous Combustibility / Reactivity with water: None

Self-reactivity / Explosive: None

Dust Explosive: Like most organic materials in powder form, it can form explosive mixtures when dispersed in air.

Stability and Reactivity: Stable

Other Data: None

## 11. TOXICOLOGICAL INFORMATION

| | | | |
|---|---|---|---|
| Skin Corrosive: | None | | |
| Skin Irritant (rabbit): | Not an irritant | Eye Irritant (rabbit): Not an irritant | |
| Human Patch: | Not available | | |
| Sensitization: | Skin (guinea-pig) | : Not a sensitizer | |
| Acute Toxicity | Swallowed→LD50 (rat) | : > 5000 mg/kg[1)] | (practically non-toxic) |
| | Skin→LD50 (rabbit) | : > 5000 mg/kg[1)] | (practically non-toxic) |
| | Inhaled→LC50 (rat) | : > 5 mg/L/4hr[1)] | (practically non-toxic) |

Chronic Toxicity: The results obtained from a Xerox sponsored, Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1mg/m3) exposure level (i.e. the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in 25% of the animals at the middle (4mg/m3) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16 mg/m3) exposure level. These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lungs for a prolonged period. This study was conducted using a special test toner to comply with EPA testing protocol. The test toner was ten times more respirable than commercially available Xerox toner, and would not be functionally suitable for Xerox equipment.[1)]

Carcinogenicity: Not classified as "Carcinogens [ref.1]".

Mutagenicity: Ames Assay: Negative

Reproduction and Development: Not classified as " Reproductive and Development chemicals [ref.2]".

1) This information is based on toxicity data for similar materials and ingredients.

## 12. ECOLOGICAL INFORMATION

Biodegradability: Not available.
Bioaccumulation: Not available.
Acute Toxicity: Not available.
Other Information: None

## 13.DISPOSAL CONSIDERATION

Dispose of in accordance with federal, state and local regulations.

## 14.TRANSPORT INFORMATION

Transport in accordance with federal , state, and local regulations.

## 15.REGULATORY INFORMATION

Ensure this product in compliance with federal requirements and ensure doformity to local regulations.

## 16.OTHER INFORMATION

The above mentioned data correspond to our present state of knowledge and experience, but no warranty is made. Users should consider these data only as a supplement to other information and must make independent determination of the suitability and completeness of information from all sources to ensure proper use and disposal of the materials and safety and health of employees and customers.

References

1:
- IARC Monographs on the Evaluation Carcinogenic Risks to Humans (WHO.International Agency for Rsearch on Cancer)
- National Toxicology Program(NTP) Report on Carcinogens (NTP)
- TLVs and BEIs (American Conference of Governmental Industrial Hygienists)
- Council Directive 67/548/EEC on the approximation of the laws, regulations, and administratives provision s relating to the classification, packing and labelling of dangerous substaces; Annex 1 (EU)
- Journal of Occupational Health(Japan Society for Occupational Heatth)

2:
- Council Directive 67/548/EEC on the approximation of the laws, regulations, and administratives provision s relating to the classification, packing and labelling of dangerous substaces; Annex 1 (EU)