

Material Safety Data Sheet

MSDS No: OEM - 5041

Date: 8/22/97

Revision: 6/30/98

Manufactured

by: Xerox Corporation For: QMS, Inc.
One Magnum Pass
Mobile, AL 36618

Telephone # (s):

1-800-622-5546

Section I - Product Identification

Trade Names/Synonyms: QMS 3260 Toner Cartridge

Part No.: QMS Part # 1710307-001

Chemical Name: None

WHMIS Status: This is not a WHMIS controlled product.

Ingredients (% by wt.)

Magnetite (45-55%)
Styrene/acrylate polymer (40-50%)
Polyolefin (1-10%)

CAS No.

1309-38-2
25767-47-9
9003-07-0

Section II - Emergency and First Aid

Primary Route of Entry:

Inhalation

Eyes:

Flush with water.

Skin:

Wash with soap and water.

Inhalation:

Remove from exposure.

Ingestion:

Dilute stomach contents with several glasses of water.

Symptoms of Overexposure:

Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.

Medical Conditions Generally Aggravated by Exposure:

None when used as described by product literature.

Additional Information:

None

Section III - Toxicology and Health Information

The toxicology of this toner has been evaluated by Xerox Corporation. Data presented in this section is based on the test results of this toner or similar reprographic toners.

Oral LD₅₀: >5 g/kg (rats)
Dermal LD₅₀: >5 g/kg (rabbits)
Inhalation LC₅₀: >5 mg/l (rats; 4 hr exposure)
>20 mg/l (rats, calculated 1 hr exposure)
Eye Irritation: Non-irritating (rats).
Skin Sensitization: Non-sensitizing (guinea pig; human patch)
Skin Irritation: Non-irritating (rabbits; human patch)
Mutagenicity: No mutagenicity detected in Ames Assay.
Carcinogens: None present.
Aquatic LC₅₀: >1000 mg/l (fathead minnows, rainbow trout)

TLV: 10 mg/m³ (total dust)
PEL: 15 mg/m³ (total dust)
5 mg/m³ (respirable dust)
STEL: N.E.
Ceiling: N.E.
XEL²: 2.5 mg/m³ (total dust)
0.4 mg/m³ (respirable dust)

Additional Information: In a Xerox sponsored chronic inhalation study in rats using a special test toner, there were no lung changes at all in the lowest exposure level (1mg/m³), the most relevant level to potential human exposures. A very slight degree of fibrosis was noted in 25% of the animals at the middle exposure level (4 mg/m³) while a slight degree of fibrosis was observed at the highest exposure level (16 mg/m³) in all animals. These findings are attributed to "lung overloading," a generic response to excessive amounts of any dust retained in the lungs for a prolonged interval. The special test toner was ten times more respirable than commercially available Xerox toner to comply with EPA testing protocol and would not function properly in Xerox equipment.

¹Based on actual test results for this material. ²XEL-Xerox Exposure Limit
N.A. - Not Applicable N.E. -None Established N.D. -Not Determined

Section IV - Physical Data

Appearance/Odor:	Black powder / slight	Softening Range:	43-60 °C (110-140 °F)
Boiling Point:	N.A.	Melting Point:	N.A.
Solubility in Water:	Insoluble	Specific Gravity (H₂O=1):	~3
Evaporation Rate:	N.A.	Vapor Pressure (mm Hg):	N.A.
Vapor Density (Air=1):	N.A.	pH:	N.A.
Volatile:	N.A. % (Wt.) N.A. % (Vol.)		

Section V - Fire and Explosion Data

Flash Point (Method Used):	N.A.
Flammable Limits:	LEL: N.A., UEL: N.A.
NFPA 704:	N.D.
Extinguishing Media:	Water, dry chemical, carbon dioxide or foam.
Special Fire Fighting Procedures:	Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.
Fire and Explosion Hazards:	Toner is a combustible powder. Like most organic materials in powder form, it can form explosive mixtures when dispersed in air.

Section VI -Reactivity Data

Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Hazardous Decomposition Products:	Products of combustion may be toxic. Avoid breathing smoke.
Incompatibility (Materials to Avoid):	None known

Section VII - Special Protection Information

Respiratory Protection:	None required when used as intended.
Eye Protection:	None required when used as intended.
Protective Gloves:	None required when used as intended.
Other:	For use other than normal customer - operating procedures (such as in bulk toner processing facilities), goggles and respirators may be required. For more information, contact Xerox.

Section VIII - Special Precautions

Handling and Storage:	None
Conditions to Avoid:	Avoid prolonged inhalation of excessive dust.

Section IX- Spill, Leak, and Disposal Procedures

For Spills or Leakage:	Sweep up or vacuum spilled toner and carefully transfer into sealable waste container. Sweep slowly to minimize generation of dust during clean-up. If a vacuum is used, the motor must be rated as dust tight. A conductive hose bonded to the machine should be used to reduce static buildup (See Section V). Residue can be removed with soap and cold water. Garments may be washed or dry cleaned, after removal of loose toner.
Waste Disposal Method:	This material is not a hazardous waste according to Federal Regulation 40 CFR 261 when disposed. State and Local requirements, however may be more restrictive. Consult with the appropriate State and Local waste disposal authorities for additional information.

Section X - Transportation Information

DOT Proper Shipping Name:	N.A. (Not Regulated)	ID Number:	N.A.
Hazard Classification:	N.A.	Packing Group:	N.A.