

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: toner used to fill OB-00410 cartridge

Supplier: Supplies Team

Address: Sheffield Airport Business Park, Europa Link, Sheffield, S9 1 XU

Information Phone: 0114 256 6000

2. HAZARDS IDENTIFICATION

Primary Entry Routes: Inhalation.

Target Organs: N/A

Inhalation: N/A

Eyes: May cause eye irritant.

Skin: Unlikely to cause skin irritation.

Ingestion: Ingestion is not an applicable route of entry for intended use.

Carcinogenicity: N/A

Medical Conditions Aggravated By Long-Term Exposure:

Accumulation of dust in the respiratory system may cause congestion.

Chronic Effects: If these materials are used in a manner that could generate airborne particles (dust), it is recommended that the dust be treated as a NUISANCE PARTICULATE according to the American Conference of Government Industrial Hygienists (ACGIH)(TLV=10mg/m³).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	CAS No.	Wt%	OSHA PEL	ACGIH TLV
Styrene Acrylate Copolymer	58048-89-8	70~90	Total dust	Inhalation
Wax Trade secret		5~15	15mg/m ³	10 mg/m ³
Carbon Black	1333-86-4	3~10	Respirable	Respirable
Silica Amorphous Trade secret		1~7	5 mg/m ³	3 mg/m ³

Remarks: toner is regulated under OSHA as particulate not otherwise regulated

4. FIRST AID MEASURES

Inhalation: Move to fresh air immediately. If symptoms occur, consult a physician.

Eye Contact: In case of contact immediately flush with large amounts of sterile, lukewarm water (low pressure) for at least 15 minutes.

Remove any contact lenses to ensure thorough flushing. If irritation persists, consult a physician.

Ingestion: Dilute stomach contents with several glasses of water. If symptoms persist, consult a physician. After first aid, seek medical support if serious symptoms persist.

Note to Physicians: N/A

Special Precautions/ Procedures: N/A

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5. FIRE FIGHTING MEASURES

Flash Point: N/A.

Flash Point Method: N/A.

Burning Rate: N/A.

Ignition Point: N/A.

Lel: N/A.

Uel: N/A.

Extinguishing Media: Water spray, foam, dry-chemical, carbon dioxide, or halon-type extinguishers.

Unusual Fire and Explosion Hazards: May form flammable dust-air mixture.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, and smoke. Under certain conditions some aliphatic aldehydes and carboxylic acids may form.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with full face piece operated in pressure-demand or positive-pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedure: Wear personal protective equipment as described in section 8. Avoid breathing dust.

Minimize the release of particles. Vacuum or sweep the material into a bag or other sealed container. If vacuum is used, the motor must be rated as dust tight. Dispose of waste toner in accordance with local requirements.

Cleanup: No special requirements.

Regulatory Requirement: Follow applicable OSHA regulations (29 CFR 1910.120)

7. HANDLING AND STORAGE

Handling Precautions: Keep containers closed at all times. Avoid breathing dust. Keep away from ignition sources. Storage requirement: Store at room temperature. Keep away from strong oxidizers.

Regulatory requirement: N/A.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (sec.2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls

Respiratory Protection: Seek professional advice prior to respirator regulations (29CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

For emergency or nonroutine operation (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

Warning! Airpurified respirators do not protect workers in oxygen-deficient atmospheres. Protective

Clothing/Equipment: Wear chemically protective gloves, boot, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye-and face-protection regulations (29cfr 1910.133). Contact lenses are not eye protective devices. Appropriate protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations and washing facilities available in work area.

Contaminant Equipment: Separate contaminated work clothing from street clothes. Launder before reuse.

Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking using the toilet, or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States

Appearance and Odor: Black fine powder, faint odour.

Odour Threshold: N/A.

Vapour Pressure: N/A.

Vapour Density (Air=1): Heavier than air.

Formula Weight: N/A.

Density: N/A.

Specific Gravity (H₂O=1, At 4): 1.0~1.2.

PH: N/A.

Water Solubility: Negligible.

Other Solubility: Partial soluble in Toluene & Xylene.

Boiling Point: N/A.

Melting Point: 100~150.

Viscosity: N/A.

Refractive Index: N/A.

Surface Tension: N/A.

% Volatile: N/A.

Evaporation Rate: N/A.

10. STABILITY AND REACTIVITY

Stability: Stable.

Polymerization: Will not occur.

Chemical Incompatibilities: None.

Hazardous Decomposition Products: Combustion will produce carbon dioxide and possibly chemicals such as carbon monoxide.

Conditions to avoid (stability): None.

11. TOXICOLOGICAL INFORMATION

Eye Effects: N/A.

Skin Effects: N/A.

Toxicity Data: No acute toxicity.

Acute Inhalation Effects: N/A.

Chronic Effects: N/A.

Carcinogenicity: N/A.

Mutagenicity: AMES Test-Negative.

Teratogenicity: N/A.

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12. ECOLOGICAL INFORMATION

No data given.

13. DISPOSAL CONSIDERATIONS

Don't incinerate. No special techniques beyond normal practice. Insure conformity with federal, state or local regulations.

14. TRANSPORTATION INFORMATION

No data given.

15. REGULATORY INFORMATION

EPA Regulations

RCRA Hazardous Waste Number: Not listed (40CFR 261.33).

RCRA Hazardous Waste Classification: Not classified (40 CFR 261).

CERCLA Hazardous Substance (40 CFR

302.4) listed/unlisted specific per

RCRA, sec.3001:

CWA sec. 311(b) (4); CWA sec. 307(a), CAA, sec.112.

CERCLA Reportable Quality (RQ): Not listed.

SARA 311/312 code: N/A.

SARA toxic chemical (40CFR 372.65): Not listed.

SARA EHS (Extremely Hazardous

Substance) (40 CFR 355):

Not listed, Threshold Planning Quality (TPQ).

TSCA: All chemical substances in this product comply with all applicable rules and orders under TSCA.

OSHA Regulations

Air contaminant (29 CFR 1910.1000<Table Z-1-A):

Particulates not otherwise regulated. State regulations: Check your states regulations that may specifically list copy material toner.

16. OTHER INFORMATION

The information contained in this safety data sheet is provided in accordance with the requirements of the regulations. The product as contained within an laser cartridge and used according to normal usage, doesn't present environmental or health risks. The laser should not be treated in such a way as no toner spills into the environment without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of this product are outside the supplier's control, the user is responsible for ensuring that requirements of relevant legislation are complied with.

The information contained herein is for health and safety guidance only and does not constitute a specification. It is, to the best of our knowledge and belief, accurate. However since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the end user to comply with all applicable laws and regulations.

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