MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD 29CFR 1910.1200

MSE MICRO SOLUTIONS ENTERPRISES Choose Quality®

EMERGENCY TELEPHONE NUMBER 1-(800)-424-9300

DATE PREPARED 12.06.10	**SIGNATURE OF PREPARER (OPTIONAL)**

SECTION 1 CHEMICAL PRODUCT / NAME

Product/chemical name:	**HP 4100**	**02-21-61163**
CAS number:	Mixture	
Other designations:	N/A	
General use:	Laser printer	

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name:	**CAS NUMBER**	**%**		**OSHA PEL**		**ACGIH TLV**	
Styrene Acrylate Copolymer	Trade Secret	40-60					
Iron Oxide	Trade Secret	35-55					

NDA = NO DATA AVAILABLE

N/A = NOT APPLICABLE

SECTION 3 HAZARDOUS IDENTIFICATION

Emergency Overview			HMIS
	This mixture is a fine black powder with no or slight plastic-like odor		H 1
	This mixture may cause irritation of the respiratory system, eyes, and skin		F 1
	This mixture, like most organic powders, can cause a dust explosion if particles form thick clouds		R 1
			PPE
Acute Health Effects			Sec.8
	Eye Contact:	Irritation may occur	
	Skin Contact:	Minimal irritation	
	Ingestion:	Unlikely route of entry	
	Inhalation:	Slight irritation if exposed to large quantity	

SECTION 4 EMERGENCY AND FIRST AID PROCEDURES

Remove from Exposure	
First Aid…	
Eyes:	Flush with water. If irritation persists, get medical attention.
Skin:	Wash thoroughly with soap and water.
Inhalation:	Remove from exposure. Gargle with water.
Ingestion:	Clean mouth out with water. Drink several glasses of water.
Additional info:	None

SECTION 5 FIRE FIGHTING MEASURES

Explosive Limits	
Extinguishing media:	Carbon Dioxide, water, foam, dry chemical
Special Exposure Hazards:	Toner, like most organic powders, is capable of creating a dust explosion when particles are dispersed
Fire-fighting instructions:	Avoid inhalation of smoke. Wear MSHA/NIOSH self contained breathing apparatus. Cool fire exposed containers with water spray.
Unusual fire or explosion hazards:	This material has no unusual fire or explosion hazards.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid dust formation Do not breathe dust
Environmental:	Do not discharge into drains
Clean up:	Vacuum or sweep into sealed container

SECTION 7 SAFE HANDLING & STORAGE

Handling:	Handle in adequately ventilated area
Fire & Explosion Prevention:	Keep away from excessive heat and sources of ignition such as sparks and open flame.
Storage:	Do not store with strong oxidizers

SECTION 8 CONTROL/PERSONAL PROTECTION INFORMATION

Respiratory protection:	None required when product is used as intended.
Ventilation:	
Local exhaust:	General ventilation
Occupational:	
Protective Gloves:	Gloves are recommended but not required
Eye Protection:	Goggles are recommended but not required
Other Protective Clothing:	None required when product is used as intended.
Work and Hygienic Practices:	Avoid breathing dust if sample is spilled.

SECTION 9 PHYSICAL & CHEMICAL INFORMATION

Boiling point:	N/A	**Specific gravity:**	1.5-2.5
Vapor pressure:	N/A	**Vapor density(air=1):**	N/A
Freezing/melting point:	>110°C	**Evaporation rate:**	N/A
Explosive:	No Data	**Solubility:**	Partially soluble in touelene and tetrahydrofuran
Oxidizing:	No Data		
Water solubility:	Negligible	**Appearance and odor:**	Black powder, faint odor

SECTION 10 REACTIVITY INFORMATION

Stability:	Stable.
Polymerization:	Will not occur.
Chemical incompatibilities:	None with common materials with which the product may reasonably come into contact with.
Conditions to avoid:	Excessive heat
Hazardous decomposition products:	Carbon Monoxide and carbon dioxide when combusted

SECTION 11 TOXICOLOGY INFORMATION

Acridity:	**Eye:**	No Data Available
	Skin:	No Data Available
Corrosion:		No Data Available
Sensitizing Property:		No Data Available
Acute Toxicity:		No Data Available
Subacute:		No Data Available
Chronic Toxicity:		No Data Available
Carcinogenicity:		No Data Available
Mutagenicity:		Ames test Negative.

*** See NIOSH,RTECS for additional toxicity data**

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:	Acute toxicity to quatic organisms
Degradable:	No Data Available
Accumulation:	No Data Available

SECTION 13 WASTE DISPOSAL INFORMATION

Disposal:	This product may be landfilled or incinerated in compliance with all federal, state, and local provisions. Do not dump on ground or in sewers

SECTION 14 TRANSPORTATION INFORMATION

Not regulated material under the United States DOT, IMDG, ADR, RID, ICAO, IATA

SECTION 15 REGULATORY INFORMATION

~All components are listed on TSCA Inventory (USA) and METI list (Japan).
~Label according to EU directive 67/548/EEC.

R & S Phrases:	Not required.
Hazard Symbol:	Not required.

SECTION 16 OTHER INFORMATION

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