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 10/13/10 **SIGNATURE OF PREPARER (OPTIONAL)**

SECTION 1 CHEMICAL PRODUCT / NAME

Product/chemical name:	**HP 1500/2500 Black**	**PN#: 02-21-25014**
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	OTHER LIMITS
Resin	292629-36-8	80-90			
Wax	9002-88-4	5-15			
Carbon Black	9010-79-1	5-10			

NDA = NO DATA AVAILABLE
N/A = NOT APPLICABLE

SECTION 3 HAZARDOUS IDENTIFICATION

Primary entry routes:	Skin, eye contact, and Inhalation
Target organs:	None known
Acute effects:	None known
Inhalation:	Minimal irritation to the respiratory tract if exposed to large amounts of toner dust.
Eye:	May cause slight irritation
Skin:	Unlikely to cause skin irritation
Ingestion:	Ingestion is a minor route of entry for intended use. Low acute toxicity.
Carcinogenicity:	Carbon Black is classified by the IARC as a Group B carcinogen (the substance is possibly carcinogenic to humans). Carbon Black in this preparation, due to its bound form, does not present this carcinogenic risk.
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/m^3)

NFPA	
H	1
F	1
R	1
PPE	
Sec.8	

SECTION 4 FIRST AID MEASURES

Inhalation:	Move person to fresh air. If breathing is difficult, consult a physician.
Eye contact:	In case of contact immediately flush with plenty of low pressure water for at least 15 minutes. Remove any contact lenses to ensure thorough flushing. Do not rub eyes
Skin contact:	Wash affected area thoroughly with soap and water. If irritation persists, consult a physician
Ingestion:	Rinse mouth out with water. Drink one or two glasses of water. If symptoms occur, consult a physician
Note to physicians:	N/A
Special precautions:	N/A

SECTION 5 FIRE FIGHTING MEASURES

Flash point and method:	N/A
Auto ignition temperature:	Not determined
Extinguishing media:	Water, dry chemical, carbon dioxide or foam
Unusual fire or explosion hazards:	Toner is a combustible powder. Like most organic materials in powder form, it can form explosive mixtures when dispersed in air.
Hazardous combustion products:	Carbon Monoxide and Carbon dioxide
Fire-fighting instructions:	Avoid inhalation or smoke. Wear MSHA/NIOSH contained breathing apparatus

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill / leak procedures:	Sweep or vacuum spilled toner and carefully transfer into sealable waste container. Sweep slowly to minimize generation of dust during cleanup. If vacuum is used, the motor must be rated at dust tight. A conductive hose bonded to the machine should be used to reduce static buildup (See sectionV). Residue can be removed with soap and cold water. Garments may be washed or dry cleaned after removal of loose toner.
Environmental precautions:	Do not flush into surface water or sanitary sewer systems. Dispose of waste material in accordance with local, state, and/or other federal regulations.

SECTION 7 HANDLING AND STORAGE

Handling precautions:	Keep containers closed when not in use. Handle and open containers with care. Use with adequate ventilation. Avoid inhalation of dust and contact with skin and eyes. Keep away from sources of heat, sparks, and open flames.
Storage requirements:	Store at room temperature in the original container. Keep container tightly closed and dry. Do not store with strong oxidizers.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

ACGIH

Components	CAS #	TWA #	STEL	Ceiling
Carbon Black	133-86-4	3.5 mg/m^3	not established	not established

OSHA

Components	CAS #	TWA #	STEL	Ceiling
Carbon Black	133-86-4	3.5 mg/m^3	not established	not established

Exposure Guidelines:

USA OSHA:	TWA/PEL: 15 mg/m^3 (Total Dust), 5 mg/m^3 (Respiration Fraction)
USA ACGIH:	TWA/TLV: 10mg/m^3 (Inhalable Fraction), 3mg/m^3 (Respirable Particulate)
United Kingdom:	WEL: 10mg/m^3 (Inhalable Dust), 3mg/m^3 (Respirable Dust)

Personal Protective Equipment:

Eye/Face Protection:	Wear dust resistant safety goggles if there is a danger of eye contact.
Hands/Skin:	Wear protective gloves to avoid direct contact.
Respiratory Protection:	Wear approved respirator for dust when exposure exceeds permissible limits.
Additional Productive Measurements:	Use in well ventilated area. Use engineering controls to reduce air contaminants to below permissible limits.
Comments:	Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, or applying cosmetics

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Black fine powder Faint odor	**Water solubility:**	Negligible
Appearance and odor:		**Other solubility's:**	Partial soluble in Toluene & Xylene
Odor threshold:	N/A	**Boiling point:**	N/A
Vapor pressure:	N/A	**Freezing/melting point:**	N/A
Vapor density(air=1):	N/A	**Viscosity:**	N/A
Formula weight:	N/A	**Refractive index:**	N/A
Density:	N/A	**Surface tension:**	N/A
Specific gravity:	~1.3	**%Volatile:**	N/A
pH:	N/A	**Evaporation rate:**	N/A

SECTION 10 STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Polymerization:	Will Not Occur
Chemical incompatibilities:	N/A
Conditions to avoid:	Heat flames and other sources or ignition. Keep dust away from ignition sources
Hazardous decomposition products:	Carbon monoxide and carbon dioxide.
Incompatible materials:	Strong oxidizers.

SECTION 11 TOXICOLOGICAL INFORMATION

Eye effects:	Not classified as an eye irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC
Sensitization:	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US)
Acute inhalation effects:	Not classified for acute oral toxicity according to EU Directive 67/548/EEC and 1999/45/EC.
Acute oral effects:	Tests on toners have indicated there is no evidence or acute oral toxicity: Swallowed-LD50 (rat)>2500mg/kg (i.e. practically non-toxic). U Ewers and D Nowak, Luft 66(2006), No5, 203-210. Not classified for acute oral toxicity according to EU Directive 67/548/EEC and 1999/45/EC.
Chronic effects:	No information available.
Carcinogenicity:	Carbon Black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Prop 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon Black is present only in a bound form in its preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP, or OSHA.
Mutagenicity:	Non-mutagenic in Ames assay
Reproductive Toxicity:	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop.65, and DFG Germany.

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

SECTION 12 ECOLOGICAL INFORMATION

Environmental fate:	The product has not been tested for ecological effects

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal:

Dispose according to federal, state, and local regulation

Disposal methods: Collect spilled or waste product in tightly sealed containers.

SECTION 14 TRANSPORT INFORMATION

DOT transportation data (49 CFR 172.101):

US DOT: Not regulated as hazardous materials (dangerous goods) in transportation.
ICAO/IATA: Not regulated as hazardous materials (dangerous goods) in transportation.
IMO/IMDG: Not regulated as hazardous materials (dangerous goods) in transportation.

SECTION 15 REGULATORY INFORMATION

EPA regulations: US EPA TSCA Inventory: All chemical substances in this product comply with all rules in orders under TSCA

CERCLA hazardous substance:	NONE
CERCLA reportable quantity (RQ):	NONE
SARA 311/312 codes:	NONE
SARA toxic chemical (40 CFR 372.65):	NONE
SARA EHS (40 CFR 355):	NONE

State Regulations: Check your states regulations that may specifically list copy machine toner. All ingredients are listed on the TSCA inventory.

SECTION 16 OTHER INFORMATION

Prepared by:	N/A
Revision notes:	N/A
Additional hazard rating system:	N/A

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