

MATERIAL SAFETY DATA SHEET

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

500 Series Products

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

DATE PREPARED 05/25/05

SIGNATURE OF PREPARER (OPTIONAL)

SECTION 1 CHEMICAL PRODUCT / NAME

Product/chemical name: Lexmark E320 /322 **PN# : 500-08A0478**
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
Styrene-Acrylate Copolymer	29497-14-1	<95	Toner is regulated under OSHA as particulate not otherwise regulated.		
Carbon Black	1333-86-4	<10			
Polypropylene	9003-07-0	<2		3.5 mg/m ³	
Organic Pigment	84179-66-8	1-5			
Amorphous Silica	68909-20-6	1-5		0.5 mg/m ³	
				80 mg/m ³	

NDA = NO DATA AVAILABLE

N/A = NOT APPLICABLE

SECTION 3 HAZARDOUS IDENTIFICATION

Primary entry routes:	Inhalation	HMIS
Target organs:	N/A	H 1
Acute effects:	N/A	F 1
Inhalation:	Slight irritation of respiratory tract	R 1
Eye:	Dust may cause irritation by mechanical abrasion	PPE
Skin:	Slight irritation	Sec.8
Ingestion:	None known	
Carcinogenicity:	N/A	
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)	

SECTION 4 FIRST AID MEASURES

Inhalation:	Remove to fresh air. Treat any irritation symptomatically. Call a physician if condition persists
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.
Skin contact:	Wash well with soap and running water.
Ingestion:	N/A
Note to physicians:	N/A
Special precautions:	N/A
	<i>After first aid, get appropriate in-plant paramedic or community medical support if serious sign and symptoms persist.</i>

SECTION 5 FIRE FIGHTING MEASURES

Flash point:	N/A
Flash point method:	N/A
Burning rate:	N/A
Auto ignition temperature:	Not determined
LEL:	N/A
UEL:	N/A
Flammability classification:	1 Slight (HMIS, NFPA)
Extinguishing media:	Water spray, dry chemical, foam carbon dioxide, or halon type extinguishers.
Unusual fire or explosion hazards:	May form flammable dust-air mixture.
Hazardous combustion products:	Carbon monoxide, carbon dioxide, nitrogen oxide and smoke. Under certain conditions come aliphatic aldehydes and carboxylic acids may form.
Fire-fighting instructions:	Do not release runoff from fire control methods to sewers or waterways.
Fire-fighting instructions:	Wear a self-contained breathing apparatus (SCBA) with full facepiece operated in pressure-demand or positive-pressure mode because fire may produce toxic thermal decomposition products.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill / leak procedures:	N/A
Small spills:	Scoop into container for disposal, suction up remaining material with high efficiency vacuum cleaner.
Large spills:	Scoop into container for disposal, suction up remaining material with high efficiency vacuum cleaner.
Containment:	For large spills, avoid suspending particles, collect for later disposal. Do not release into sewers or waterways.
Cleanup:	No special requirements.
Regulatory requirement:	N/A

SECTION 7 HANDLING AND STORAGE

Handling precautions:	Keep containers closed at all times. Avoid creating dust. Keep away from ignition sources.
Storage requirements:	Store in a cool, dry location.
Regulatory requirement:	N/A

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:	
Ventilation:	Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (sec.2).
Administrative controls:	
Respiratory protection:	Seek professional advise prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. For emergency or nonroutine operation (cleaning spills, storage tanks), wear a SCBA. <i>Warning! Air-purified respirators do not protect workers in oxygen-deficient atmospheres.</i>
Protective clothing/equipment:	Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910.133).
Safety stations:	Make emergency eyewash stations and washing facilities available in work areas.
Contaminated equipment:	Separate contaminated work clothing from street clothes. Launder before reuse.
Comments:	Never eat, drink, or smoke in work areas. Practice good hygiene after using this material, especially before eating, drinking, using the toilet.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:		Water solubility:	Negligible
Appearance and odor:	Black, free flowing powder, odorless.	Other solutbilites:	N/A
Odor threshold:	N/A	Boiling point:	N/A
Vapor pressure:	N/A	Freezing/melting point:	N/A
Vapor density(air=1):	Heavier than air.	Viscosity:	N/A
Formula weight:	N/A	Refractive index:	N/A
Density:	N/A	Surface tension:	N/A
Specific gravity:	(H ² O=1 at 4°C): 1.1	%Volatile:	N/A
pH:	N/A	Evaporation rate:	N/A

SECTION 10 STABILITY AND REACTIVITY

Stability:	N/A
Polymerization:	N/A
Chemical incompatibilities:	N/A
Conditions to avoid:	N/A
Hazardous decomposition products:	N/A

SECTION 11 TOXICOLOGICAL INFORMATION

Eye effects:	N/A
Skin effects:	N/A
Toxicity data:	*
Acute inhalation effects:	N/A
Acute oral effects:	N/A
Chronic effects:	N/A
Carcinogenicity:	N/A
Mutagenicity:	N/A
Teratogenicity:	N/A

* See NIOSH,RTECS for additional toxicity data

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:	N/A
Environmental fate:	N/A
Environmental degradation:	N/A
Soil absorbtion / mobility:	N/A

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal:	Waste material may by incinerated or recycled for its iron oxide under conditions which meet all federal, state and local environmental regultions.
Disposal regulatory requirements:	N/A
Container cleaning and disposal:	N/A

SECTION 14 TRANSPORT INFORMATION**DOT transportation data (49 CFR 172.101):**

Shipping name:	N/A	Packaging authorizations	Quantity limitations
Shipping symbol:	N/A	a) Exceptions: N/A	a) Passenger, aircraft,
Hazard ID no.:	N/A	b) Non-bulk packaging: N/A	or railcar: N/A
ID no.:	N/A	c) Bulk packaging: N/A	
Packing	N/A		Vessel stowage requirements
Label:	N/A		a) Vessel stowage: N/A
Special provisions:	N/A		b) Other: N/A

SECTION 15 REGULATORY INFORMATION

EPA regulations:

RCRA hazardous waste number: Not listed (40 CFR 261.33)
RCRA hazardous waste classification: (40 CFR 261): Not classified
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 quantity (RQ): Not listed
SARA 311/312 codes: N/A
SARA toxic chemical (40 CFR 372.65): Not listed
SARA EHS (40 CFR 355): Not listed, threshold Planning Quantity (TPQ)
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 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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