

MATERIAL SAFETY DATA SHEET						
MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD 29CFR 1910.1200						
EMERGENCY TELEPHONE NUMBER 1-(800)-457-4209						
DATE PREPARED 06/03/11				SIGNATURE OF PREPARER (OPTIONAL)		
SECTION 1 CHEMICAL PRODUCT / NAME						
Product/chemical name:		(DR-620) HL-5340D, HL-5350DN, HL-5370DW			Part# 500-DR620	
CAS number:		Mixture				
Other designations:		N/A				
General use:		Laser printers, multifunction devices and fax receivers				
SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS						
Ingredient name:	CAS	%		OSHA	ACGIH	OTHER
	NUMBER			PEL	TLV	LIMITS
Styrene Acrylate Copolymer	25767-47-9	84 - 87		N/A	N/A	
Carbon Black (bound)	1333-86-4	5 - 7		3.5mg/m3 TWA	3.5mg/m3 TWA	Short-term 7mg/m3
Fatty Acid Ester	Registered	4 - 5		N/A	N/A	
Silicon Dioxide (amorphous)	7631-86-9	<1		N/A	10mg/m3 TWA	Long-term 6mg/m3 (inhalable) 3mg/m3 (respirable)
PMMA	9011-14-7	1 - 3		N/A	N/A	
Styrene-acrylic resin	Registered	1 - 2		N/A	N/A	
Silicon Dioxide (amorphous)	844491-94-7	<1		6mg/m3	10mg/m3 TWA (inhalable) 3mg/m3 TWA (respirable)	Long-term 6mg/m3 (inhalable) 2.4 mg/m3 (respirable)
NDA = NO DATA AVAILABLE						
N/A = NOT APPLICABLE						
SECTION 3 HAZARDOUS IDENTIFICATION						
Primary entry routes:	Skin, eye contact and inhalation of toner dust					HMIS
Hazardous Properties:	None					H 1
Environmental Impact:	None					F 1
GHS:	N/A					R 0
Signs & Symptoms of Exposure	Dust may cause slight eye irritation &/or minimal respiratory tract irritation.					PPE
Medical Conditions Generally aggravated by:	Inhalation of excessive amounts of dust may cause lung damage, difficulty breathing, sneezing and/or coughing if product is not used as intended.					
SECTION 4 FIRST AID MEASURES						

<b>Inhalation:</b>	Move person to fresh air and seek medical attention immediately.		
<b>Eye contact:</b>	Do not rub eyes. Flush eyes with running water for 15 minutes with eye lids opened until particles are removed. Consult an eye doctor.		
<b>Skin contact:</b>	Remove contaminated clothes and wash throughly with mild soap & water. If irritation develops or persist get medical attention.		
<b>Ingestion:</b>	Seek medical attention immediately.		
<b>SECTION 5 FIRE FIGHTING MEASURES</b>			
<b>Extinguishing media:</b>	CO2, water spray, foam or dry chemical		
<b>Unusual fire or explosion hazards:</b>	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air. Toxic gases may be formed upon combustion and represents a hazard to fire fighters.		
<b>Fire-fighting instructions:</b>	Do not use straight water, high pressure water or water steam in order to prevent creating a dust cloud and spreading fire dust. Wear positive pressure self-contained breathing apparatus (SCBA) during attack phase of firefighting operations & during clean-up in enclosed or ventilated areas immediately after a fire. Use appropriate respirator for carbon monoxide & carbon dioxide.		
<b>SECTION 6 ACCIDENTAL RELEASE MEASURES</b>			
<b>Precaution for humans</b>	Minimize dust generation. Avoid inhalation of the dust.		
<b>Precaution for environment</b>	Do not flush into surface water or sanitary sewer system.		
<b>Prevention of second disaster</b>	Slowly vaccum or sweep material into a bag or sealed container (vacuum motor must be rated as dust explosion-proof), a conductive hose bonded to the machine should be used to reduce build-up. Residue can be removed with soap and cold water.		
<b>SECTION 7 HANDLING AND STORAGE</b>			
<b>Handling:</b>	Keep out of reach of children. In case of accidental spill, try not to disperse the particles. Avoid inhalation of dust and contact with skin and eyes.		
<b>Respiratory Protection</b>	Use with adequate ventilation. Use mask, which recommended preventing dust and coarse particulate.		
<b>Storage</b>	Keep tightly closed and dry. Store away from oxidizing materials. Store in a cool and dry place away from direct sunlight to maintain quality.		
<b>SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION</b>			
<b>Ventilation:</b>	Use in well ventilated area		
<b>Respiratory Protection</b>	Dust mask (respirator for large spill). ONLY WHEN NOT USED AS INTENDED.		
<b>Protective Gloves</b>	Not required when product is used as intended.		
<b>Eye Protection</b>	Safety goggles. (ONLY WHEN NOT USED AS INTENDED.)		
<b>Protective Clothing</b>	Not required when product is used as intended.		
<b>SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>Color:</b>	Black	<b>Water solubility:</b>	N/A
<b>Appearance:</b>	Fine powder	<b>Boiling Point:</b>	N/A
<b>Odor:</b>	Odorless	<b>Freezing/Melting point:</b>	N/A
<b>Vapor pressure:</b>	N/A	<b>Evaporation rate:</b>	N/A

<b>Vapor density(air=1):</b>	N/A	<b>Explosive limits:</b>	40g/m3 (Dust explosibility: Lower limit)
<b>pH:</b>	N/A	<b>Specific Gravity:</b>	1.15 (H2O = 1)
<b>SECTION 10 STABILITY AND REACTIVITY</b>			
<b>Stability:</b>	Stable under normal storage conditions		
<b>Polymerization:</b>	N/A		
<b>Chemical incompatibilities:</b>	Strong oxidizers		
<b>Conditions to avoid:</b>	Overheating (do not expose to temperature above 200C) & contact w/ ignition sources such as open flames, sparks, electrical arcs & static discharge sources.		
<b>Hazardous decomposition products:</b>	Carbon monoxide, carbon dioxide and nitrogen		
<b>SECTION 11 TOXICOLOGICAL INFORMATION</b>			
<b>Eye effects:</b>	Minimal irritant		
<b>Skin effects:</b>	Non-irritant		
<b>Toxicity Data</b>	Not harmful		
<b>Carcinogenicity:</b>	None		
<b>Mutagenicity:</b>	Negative (Ames Test)		
* Refer to Section 3 & 4 for additional Toxicity data *			
<b>SECTION 12 ECOLOGICAL INFORMATION</b>			
<b>Ecotoxicity:</b>	N/A		
<b>Degradable</b>	N/A		
<b>Accumulation</b>	N/A		
<b>SECTION 13 DISPOSAL CONSIDERATIONS</b>			
<b>Disposal:</b>	Dispose of in compliance with federal, state, and local regulations. Incinerate only in a closed container. Consult with the appropriate State & Local Waste authorities for additional information.		
<b>SECTION 14 TRANSPORT INFORMATION</b>			
<b>Further Information</b>	N/A		
<b>SECTION 15 REGULATORY INFORMATION</b>			
<b>U.S. Federal Regulations</b>	JCSCS (Japan) YES, TSCA (USA) YES, EINECS/ELINCS (EU) YES		
<b>CERCAL (Superfund) reportable quantity</b>	None		
<b>OSHA 29CFR 1910.1200</b>	None		
<b>SARA</b>	None		
<b>Section 302-EHS</b>	None		
<b>Section 311 Hazardous Chemical</b>	None		
<b>SECTION 16 OTHER INFORMATION</b>			
<b>According to Directive 91/155/EEC</b>			

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