

MATERIAL SAFETY DATA SHEET

File: 31.9.1.6

SHEET 1

DATE: 1/12/99

NAME: DDS 32 TONER CARTRIDGE

DPC PART NUMBER: 335434-900

SECTION I - SUPPLIER INFORMATION

DATAPRODUCTS CORPORATION
AMERICAS IMAGING SUPPLIED DIVISION
2390A WARD AVENUE
SIMI VALLEY, CA 93065

PHONE: (805) 578-4000

SECTION II - INGREDIENTS / IDENTITY INFORMATION

COMPONENT	CAS NO.	OSHA PEL	AACGLH TLV	%
1a: Iron Oxide (45-50%)	1309-38-2			
2a: Styronelacrylate copolymer (40-50%)	25767-47-9			
3a: Polyolefin (1-10%)	900347-0			

SECTION III - PHYSICAL CHARACTERISTICS

BOILING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DEADLY: N/A
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Black powder / faint odor

MELTING POINT: N/A
SPECIFIC GRAVITY: ~1
EVAPORATION RATE: N/A
PERCENT VOLATILE: N/A
SOFTENING RANGE: 43.3-60°C (110-140°F)

pH: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
EXTINGUISHING MEDIA: Water, dry chemical, carbon dioxide or foam.
SPECIAL FIRE FIGHTING PROCEDURES: Avoid inhalation of smoke, wear protective clothing and self-contained breathing apparatus.
FIRE AND EXPLOSION HAZARDS: Toner is combustible powder, like most organic materials in powder form, it can form explosive mixtures when dispersed in air.

FLAMMABILITY LIMITS
LEL: N/A
UEL: N/A

SECTION V - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None
HAZARDOUS POLYMERIZATION: Will not occur.
MATERIAL INCOMPATIBILITY: None
HAZARDOUS DECOMPOSITION PRODUCTS: Products of combustion may be toxic. Avoid breathing smoke.

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SECTION VI - HEALTH HAZARD DATA

ORAL LD 50 > 5g/kg (rats) practically non-toxic
DERMAL LD 50 > 5 g/kg (rabbits) practically non-toxic
INHALATION LC 50 >5mg/l (rats, 4 in exposure) practically non-toxic
> 20 mg/l (rats, calculated 1 hr exposure) non-toxic
EYE IRRITATION: Non-irritating
SKIN SENSITIZATION: Not a sensitizer
SKIN IRRITATION: Not an irritant
HUMAN PATCH: Non-irritating, non-sensitizing
CARCINOGENS: None present

AQUATIC LC50-: Not tested
TLV: 10Mg/m3 (total dust)
PEL: 15Mg/m3 (total dust)
5 mg/m3 (respirable dust)
STE: N.E.
CEILING: N.E.
MUTAGENICITY: No mutagenicity showed in Ames Assay
XEL2- 2.5 mg/m3 (total dust)
0.4 mg/m3 (respirable dust)

SIGNS AND SYMPTOMS OF EXPOSURE: Minimal irritation may occur as with exposure to any non-toxic dust
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Accumulation of dust in the respiratory system

EMERGENCY AND FIRST AID PROCEDURES:

PRIMARY ROUTE OF ENTRY: Inhalation

INGESTION: Dilute stomach contents with several glasses of milk or water.

INHALATION: Remove from exposure.

EYES: Flush eyes with water for several minutes.

SKIN: Wash with soap and water

SYMPTOM OF OVEREXPOSURE: Minimal respiratory tract irritation may occur as with exposure to large amounts of any Non-toxic dust.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None when used as described by product Literature.

ADDITIONAL INFORMATION: None

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Sweep up or vacuum spilled toner and carefully transfer in to sealable waste container. Sweep slowly to minimize generation of dust during clean up. If a vacuum is used, the motor must be rated as dust tight. A conductive hose bonded to the machine should be used to reduce static buildup (See Section V). Residue can be removed with soap and cold water. Garments may be washed or dry-cleaned, after removal of loose toner.

WASTE DISPOSAL METHOD: This material is not a hazardous waste according to Federal Regulation 40 CFR 261 when disposed. State and Local requirements, however may be more restrictive. Consult with the appropriate State and Local waste disposal authorities for additional information. Incinerate only in a closed container.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: None

CONDITIONS TO AVOID: Avoid prolonged inhalation of excessive dust.

SECTION VIII - PERSONAL PROTECTION INFORMATION/CONTROL MEASURES

RESPIRATORY PROTECTION: None required when used as intended.

EYE PROTECTION: None required when used as intended.

PROTECTIVE GLOVES: None required when used as intended.

OTHER: For use other than normal customer – operating procedures (such as in bulk toner processing facilities), goggles and Respirators may be required.

WORK/HYGIENIC PRACTICE: Avoid prolonged inhalation of excessive dust.