

XEROX CORPORATION -- DOCUTECH 90/DOCUPRINT 390 TONER, CLASS V DRY INK --
6850-01-165-5409

===== Product Identification =====

Product ID:DOCUTECH 90/DOCUPRINT 390 TONER, CLASS V DRY INK

MSDS Date:09/09/1997

FSC:6850

NIIN:01-165-5409

Status Code:A

MSDS Number: CKVVB

=== Responsible Party ===

Company Name:XEROX CORPORATION

Address:100 CLINTON AVE SOUTH

City:ROCHESTER

State:NY

ZIP:14644

Country:US

Inf

o Phone Num:800-828-6571

Emergency Phone Num:716-422-2177/1230

Resp. Party Other MSDS Num.:A-0110

CAGE:26921

=== Contractor Identification ===

Company Name:XEROX CORPORATION

Address:100 CLINTON AVE SOUTH

Box:City:ROCHESTER

State:NY

ZIP:14644-1877

Country:US

Phone:800-828-6571/716-422-2177

CAGE:26921

===== Composition/Information on Ingredients =====

Ingred Name:STYRENE / ACRYLATE POLYMER

CAS:25213-39-2

> Wt:90.

Other REC Limits:NONE RECOMMENDED

Ingred Name:CARBON BLACK

CA

S:1333-86-4
RTECS #:FF5800000
Minumum % Wt:5.
Maxumum % Wt:10.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9596

Ingred Name:QUATERNARY AMMONIUM SALTS (CAS NOS. 123-03-5 AND 3843-16-1)
(NOTE: TONERS LABELED 1075/1090/4050/4090/4650 CONTAIN ONLY
QUATERNARY AMMONIUM SALT CAS # 123-03-5; < 5%)
< Wt:5.
Other REC Limits:NONE RECOMMENDED

=====
Hazards Identification
=====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >10G/KG
Routes of
Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:MINIMAL RESPIRATORY TRACT IRRITATION
MAY OCCUR AS WITH EXPOSURE TO LARGE AMOUNTS OF ANY NON-TOXIC DUST.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC, OR OSHA.
Effects of Overexposure:MINIMAL RESPIRATORY TRACT IRRITATION MAY OCCUR
AS WITH EXPOSURE TO LARGE AMOUNTS OF ANY NON-TOXIC DUST
. Medical Cond Aggravated by Exposure:NONE WHEN USED AS DESCRIBED BY
PRODUCT LITERATURE.

=====
First Aid Measures
=====

First Aid:EYES: FLUSH WITH WATER. SKIN: WASH WITH SOAP AND WATER.
INHALATION: REMOVE FROM EXPOSURE. INGESTION: DILUTE STOMACH
CONTENTS WITH SEVERAL GLASSES OF WATER.

=====
Fire Fighting Measures
=====

Flash Point:NONE
Extinguishing Media:WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM.
Fire Fightin

g Procedures:AVOID INHALATION OF SMOKE. WEAR PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS. NFPA 704: HEALTH: 0, FIRE: 3, REACTIVITY: 0.

Unusual Fire/Explosion Hazard:TONER IS A COMBUSTIBLE POWDER. LIKE MOST ORGANIC MATERIALS IN POWDER FORM, IT CAN FORM EXPLOSIVE MIXTURES WHEN DISPERSED IN AIR.

===== Accidental Release Measures =====

Spill Release Procedures:SWEEP UP OR VACUUM SPILLED TONER AND CAREFULLY TRANSFER INTO SEALABLE CONTAINER.

SWEEP SLOWLY TO MINIMIZE

GENERATION OF DUST DURING CLEANUP. 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. RESIDUE CAN BE REMOVED WITH SOAP AND COLD WATER. GARMENTS MAY BE WASHED OR DRY CLEANED, AFTER REMOVAL OF LOOSE TONER.

Neutralizing Agent:NOT APPLICABLE.

===== Handling and Storage =====

Handling and Storage Precautions:HANDLING AND STORAGE: NONE. AVOID

PROLONGED INHALATION OF EXCESSIVE DUST.

Other Precautions:FOLLOW LABEL DIRECTIONS. AVOID BREATHING DUST.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED WHEN USED AS INTENDED IN XEROX EQUIPMENT.

Protective Gloves:NONE REQUIRED WHEN USED AS INTENDED IN XEROX EQUIPMENT.

Eye Protection:NONE REQUIRED WHEN USED AS INTENDED IN XEROX EQUIPMENT.

Other Protective Equipment:FOR USE OTHER THAN NORMAL CUSTOMER-OPERATING PROCEDURES (SUCH AS IN BULK TONER PROCESSING FACILITIES), GOGGLES AND RESPIRATORS MAY BE REQUIRED. FOR MORE INFORMATION, CONTACT XEROX.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS PRODUCT. AVOID PROLONGED INHALATION OF EXCESSIVE DUST. WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

TRADE NAME/SYNONYMS:

1075/1090,4050/4090/4250/4450/4530/4650/5388/5680/5892/DOCUTECH 90/DOCUPRINT 390 TONER, CLASS V DRY INK. PART NO: USCO: 6R58*,

6R301, 6R455*, FX: 6R303*, 6R306*, 6R323, XCL: 6R501 , 6R524*; RX:
6R303; NY: CL536R455*, CL566R455*, CL5P6R455* (*CANCELLED).

===== Physical/Chemical Properties =====

HCC:N1

Spec Gravity:~1

Solubility in Water:NEGLIGIBLE.

Appearance and Odor:POWDER; BLACK; FAINT ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE KNOWN.

Stability Condition to Avoid:DUSTY CONDITIONS WITH SOURCES OF IGNITION.

Hazardous Decomposition Products:PRODUCTS OF COMBUSTION MAY BE TOXIC.
AVOID BREATHING SMOKE.

===== Toxicological Information =====

Toxicological Information:ORAL (RAT) LD50: >10 G/KG, PRACTICALLY
NON-TOXIC. DERMAL (RABBITS) LD50: >2 G/KG, PRACTICALLY NON-TOXIC.
INHALATION (RATS, 4 HR EXPOSURE) LC50: >5 MG/L, PRACTICALLY
NON-TOXIC. >20 MG/L (RATS, CALCULATED 1 HR EXPOSURE)
NON-POISONOUS, DOT. NOT AN EYE OR SKIN IRRITANT, OR SKIN
SENSITIZER

ER. HUMAN PATCH: NON-SENSITIZING, NON-IRRITATING.

MUTAGENICITY: NONE DETECTED IN AMES ASSAY. CARCINOGENS: NONE
PRESENT . TERATOLOGY (RATS): NO SIGNIFICANT EFFECTS ON FETAL
DEVELOPMENT. SUBCHRONIC INHALATION (RATS): NO ADVERSE EFFECTS OTHER
THAN THOSE DUE TO "LUNG OVERLOADING" A GENERIC RESPONSE TO
EXCESSIVE DUST IN LUNGS FOR PROLONGED PERIOD.

===== Ecological Information =====

Ecological:AQUATIC LC50: >500 MG/L (RAINBOW TROUT). TONERS LABEL
ED

1075/1090/4050/4090/4650: AQUATIC LC50>50 MG/L (RAINBOW TROUT).
TOXICOLOGY: EXPOSURE LIMITS: TLV: 10 MG/M3 (TOTAL DUST); PEL: 15
MG/M3 (TOTAL DUST), 5.0 MG/M3 (RESPIRABLE DUST). STEL: N.E.,
CEILING: N.E., XEL(XEROX EXPOSURE LIMIT): 2.5 MG/M3 (TOTAL DUST),
0.4 MG/M3 (RESPIRABLE DUST)

===== Disposal Considerations =====

Waste Disposal Methods:THIS MATERIAL IS NOT A HAZARDOUS WASTE ACCORDING
TO FEDERAL REGULATION 40 CFR 261. STATE AND LO

CAL WASTE DISPOSAL

REQUIREMENTS MAY HOWEVER, BE MORE RESTRICTIVE. CONSULT WITH APPROPRIATE STATE AND LOCAL AUTHORITIES FOR SPECIFIC INFORMATION. INCINERATE ONLY IN A CLOSED CONTAINER.

=====
MSDS Transport Information
=====

Transport Information: DOT PROPER SHIPPING NAME: N/A (NOT REGULATED);
HAZARD CLASSIFICATION, ID NUMBER, AND PACKING GROUP: NOT APPLICABLE.

=====
Other Information
=====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.