

MINOLTA CAMERA CO., LTD -- NEW TONER FOR ACTIONLASER 1000/1500; S051011 IMAGING
CARTRID -- 6850-01-411-2477

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

Product ID:NEW TONER FOR ACTIONLASER 1000/1500; S051011 IMAGING CARTRID

MSDS Date:09/21/1992

FSC:6850

NIIN:01-411-2477

MSDS Number: CFMTY

=== Responsible Party ===

Company Name:MINOLTA CAMERA CO., LTD

Address:3-13,2-CHOME,AZUCHI-MACHI,CHUO-KU

City:OSAKA 541, JAPAN

Emergency Phone Num:CONTACT REG POISON CONTROL CNTR

CAGE

:S4049

=== Contractor Identification ===

Company Name:AMERICAN LASER INC

Address:1007 RIPLEY ST

Box:City:SILVER SPRING

State:MD

ZIP:20910

Country:US

Phone:301-588-4850

Contract Num:SP0450-00-M-SA63

CAGE:0S0F8

Company Name:MINOLTA CAMERA CO LTD

Address:30, 2-CHOME AZUCHI-MACHI

Box:City:HIGASHI-KU OSAKA 541

Phone:05-271-2251

CAGE:S4049

Company Name:MINOLTA CORPORATION

Address:101 WILLIAMS DRIVE

Box:City:RAMSEY

State:NJ

ZIP:07446

Country:US

Phone:201-825-4000

CAGE:23736

===== Composition/

Information on Ingredients =====

Ingred Name:POLYESTER RESIN
> Wt:85.
Other REC Limits:NONE RECOMMENDED

Ingred Name:CARBON BLACK
CAS:1333-86-4
RTECS #:FF5800000
Minumum % Wt:1.
Maxumum % Wt:5.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9596

Ingred Name:ORGANIC PIGMENT
Minumum % Wt:1.
Maxumum % Wt:3.
Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYPROPYLENE
CAS:9003-07-0
Minumum % Wt:1.
Maxumum % Wt:3.
Other REC Limits:NONE RECOMMENDED

Ingred Name
:AMORPHOUS SILICA
CAS:7631-86-9
< Wt:1.

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

LD50 LC50 Mixture:ORAL, RATS, LD50 >5.0G/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TONER PRESENTS LOW HAZ FOR USUAL
OCCUPA SETTINGS.BASED ON AVAI DATA HUMAN EXPO TO TONER HAS BEEN
SHOWN TO CAUSE MIN RESP TRACT IRRIT AS MAY OCCUR W/LG AMTS OF ANY
NON-TOXIC DUSTS.RESULTS OF

1 ANIMAL STUDY WHERE RATS INHALED TONER
10X MORE RESPIRABLE THAN COMMERCIAL TONER WERE OBSERVED TO HAVE
NO LUNG CHANGES @LOW(SUP)

Explanation of Carcinogenicity:PER
MSDS:CARCINOGENICITY:NTP/IARC/OSHA:NOT LISTED.

Effects of Overexposure:ACUTE:MINIMAL RESP TRACT IRRIT MAY OCCUR AS
W/EXPO TO LARGE AMTS OF ANY NON-TOXIC DUST.MAY CAUSE COUGH & RAISE
PHLEGM.CHRONIC:NONE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:WASH NOSTRILS,RINSE MOUTH.INGEST:DILUTE STOMACH
CONTENTS W/SEVERAL GLASSES OF WATER.EYE:FLUSH W/WATER FOR
15MINS.SKIN:WASH W/SOAP/WATER.

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

Flash Point:NA
Autoignition Temp:Autoignition Temp Text:NP
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:WATER, FOAM, DRY CHEMICAL.
Fire Fighting Procedures:AVOID INHALATION OF SMOKE.
Unusual Fire/Explosion Hazard:IF DISPERSED IN AIR, TONER, LIKE MOST
FINLEY DIVIDED ORGANIC POWDERS, MAY FORM AN EXPLOSIVE MIXTURE.

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

Spill Release Procedures:IF SPILLED SWEEP UP OR VACUUM.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respirat

ory Protection:NONE REQUIRED WHEN USED AS INTENDED IN MINOLTA
EQPMT.

Protective Gloves:NONE REQUIRED WHEN USED AS INTENDED.

Eye Protection:NONE REQUIRED WHEN USED AS INTENDED.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE.

Supplemental Safety and Health

HEALTH:EXPO(MOST RELEVANT LEVEL TO POTENTIAL HUMAN EXPO).@HIGHER LEVELS
SLIGHT DEGREE OF LUNG FIBROSIS WAS OBSERVED DUE TO EXCESSIVE AMTS
OF DUST RETAINED IN LUNGS FOR PROL INTERVAL.

=====

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

HCC:N1

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:N/AVAI

Decomp Temp:Decomp Text:NP

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:1.2

pH:NA

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BLACK POWDER, FAINT ODOR

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:PRODUCTS OF COMBUSTION ARE TOXIC.

AVOID BREATING OF SMOKE.

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

Waste Disposal Methods:WASTE MAY BE DISPOSED OR INCINERATED UNDER
CONDITIONS WHICH MEET ALL LOCAL, STATE AND FEDERAL ENVIRONMENTAL
REGULATIONS.

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.