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MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S

HAZARD COMMUNICATION STANDARD

Sanford North Carolina 27331

29CFR 1910.1200

Emergency telephone number 1-800-356-2728

Static Control Components,

P.O. BOX 152

telephone number 1-919-774-3808

DATE PREPARED

SIGNATURE OF PREPARER (DPTIONAL)

SECTION RICHERICAUTREODUCTONAME INTERNATIONAL INTERNATIONA Product/Chemical Name:

WX MICR TONER

5/19/00

CAS Number

Other Designations:

Mixture WA

General Use:

Imn Oxide

Leser Printer

SECTION AND DIMEOSITION PINEORMATION ON INGREDIENT CHANGE BURNESS BURN

Hazardous Componenta/Ingredient Information:

Toner is regulated under OSHA as particulate not

otherwise regulated:

ACGIH TLV 10 mg/m3

CAS

OSHA PEL

ACGIH TLV

HMIS

H 1

F 1

R 1

PPE

Sec.8

NUMBER

1317-61-R 25 - 45

All other Ingredients not considered hazardous under the Federal Hazard Communications Standard.

In a chronic inhalation study in rate being a special test toner, there were no lung changes at all in the lowest exposure level 1 mg/m²), the most relevant leval to potential human exposures. A very elight degree of fibrosts was noted in 25% of the animals at the middle exposure level (4mg/m³) while a slight degree of fibrosis was observed at the highest exposure level (11mg/m²) in all antmais. These findings were attributed to "lung overload", a generic response to excessive amounts of any dust in the lung for a prolonged interval. The apecial test toner was len

times more respirable than commercially available toner to comply with EPA testing protocol.

On the basis of this Information, an exposure limit of 2.5 mg/m² (total dust) is recommended.

Inhalation

Primary Entry Routes:

Target Organs:

Accute Effecte:

NA

NA

Inhalation: Slight irritation of respiratory tract. Eye: Dust may cause irritation by mechanical abrasion.

Skin: Slight imitation.

Ingestion: None known. Carcinogenicity: N/A

Medical Conditions Aggrevated By Long-Term Exposure: Accumulation of duel 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/m³).

SECTION WHITESTIAD MEASURES WAS INCHESTED THE PROPERTY OF THE

Inhalation: Remove to fresh air, Treat any Irritation symptomatically. Call a physican it condition persists.

Eye Contact:

In case of contact immediately flush with planty 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: NA

After first ald,get appropriate in-plant paramedic or community medical support

if serious sign and symptoms persist,

Note to Physicians:

NA

Special Precautions / procedures:

NA

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Flash Point: N/A
Flash Point Method: N/A
Burning Rate: N/A
Auto Ignition Temperature:

Not Determined

LEL: NA 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-all mixture.

Hazardous combustion products: Carbon monoxide, carbon dioxida, nitrogen oxide and smoke.

Under certain conditions some sliphstic aldehydes and carboxylic acids

may form.

Fire-Fighting instructions: Fire-Fighting Equipment: Do not release runoff from fire control methods to sewers or waterways. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparetus (SCBA) with full facepiece operated

in pressure-demand or positive-pressure mode.

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Spill / Leak Procedures: NA

pin i Leak Procedures: (WA

Scoop into container for disposal, suction up remaining material with high efficency

vacuum cleaner.

Large Spills: Scoop Into container for disposal, suction up remaining material with high efficency

vacuum cleaner.

Containment: For large spills, avoid suspending particles, collect for later disposal. Do not release

into sewers or waterways. No special requirements.

Cleanup: No specia

REGULATORY REQUIREMENT: N/A

BECTION TO PLAND UNG IAND STORAGE TO THE WASHINGTON WASHINGTON TO THE WASHINGTON TO

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 Requirements: N/A

SECTION 81EX POSURE CONTROLES VIPERSONAL PROTECTION INCOMINATION AND WHITE PROTECTION INCOMES AND ASSESSMENT OF THE PROPERTY O

Engineering Controls:

Ventitation: Provide general or local exhaust ventilation systems to maintain airborne concentrations

below OSHA PELs (sec.2), Local exhaust ventilation is preferred because it prevents contaminant

dispersion into the work area by controlling it at its source.

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, select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airbome contamination, and presence of sufficient oxygen. For emergency or nonroutine operation (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. Warning! Air-purified respirators do not protect workers in oxygen-deficient

almospheres,

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntiets to prevent

prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye-and face-protection regulations (29CFR 1910.133). Contact lenses are not eye protective devices, appropriate protection must be worn instead of, or in conjunction with contact lenses. Make emergency eyewash stations and washing facilities available in work area.

Safety Stations: Contaminated Equipment:

Separate contaminated work clothing from street clothes. Launder before re-use. Remove this material from your shoes and clean personal protective

equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this

material, especially before eating, drinking using the toilet, or applying cosmetics

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BECTION THE HYDICAL AND CHEMICAL PROPERTIES IN THE HEALTH HIS THE BEST OF THE Physical State: Water Solubility: Negligible Appearance and Odor: Black, free flowing powder, odorless. Other Solubilities: NA Odor Threshold: NA Boiling Point: N/A Vapor Pressure: N/A Freezing/Melting Point: NA Vapor Density(Air=1): Heavier than air. Viscosity: N/A Formula Weight: N/A Refractive Index: NA Density: Surface Tension: N/A Specific Gravity: (H₂O=1, at 4°C); 1.5 - 1.7 %Volatile: N/A pH: N/A Evaporation Rate: NA STABILITY: NA POLYMERIZATION: N/A CHEMICAL INCOMPATIBILITIES: NA CONDITIONS TO AVOID: N/A HAZARDOUS DECOMPOSITION PRODUCTS: N/A SECITION IN THE OXICO LOGICAL IN FORMATION INTRIBUTION IN THE PROPERTY OF THE Eye Effects: NA Toxicity Data: * Skin Effects: N/A Acule Inhalation Effects N/A Acute Oral Effects: Chronic Effects; NA Carcinogenicity: N/A Mutagenicity: N/A Teratogenicity: N/A *See NIOSH,RTECS for additional loxicity data. Ecoloxicity: N/A Environmental Fate: NA Environmental Degradition: NA Soil Absorbtion / Mobility: N/A BEDTION 第13 POISP DEATICONSIDERATIONS WITH THE THE WARRENCE THE WARRE Waste material may be incinerated / or recycled for its from Oxide under conditions which meet all federal, state and local environmental regulations. Disposal Regulatory Requirements:N/A Container Cleaning and Disposal; N/A DOT Transportation Data (49 CFR 172.101): Not specifically listed Shipping Name: AVA Packaging Authorizations Quantity Limitations Shipping Symbol: N/A a) Excaptions: N/A a) Passenger, Aircraff, or Hazard Class: N/A b)Non-bulk Packaging: N/A Railcar, N/A ID No .: N/A c) Bulk Packaging: N/A Packing Group: NΑ Vessel Slowage Requirements Label: N/A a) vessel slowage: N/A Special Provisions N/A b)Other, N/A

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EPA Regulations:

RCRA Hazardous Waste Number:

Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification:

(40 CFR 261); Not classified

SECTION REPRECULATION VINEORIVATION CALIFORNIA DE REPRESENTATION DE CONTRACTOR DE CONT

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 (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:

Air Conteminant (29 CFR 1910.1000< Table Z-1-A): Particulates not otherwise regulated.

State Regulations:

There are small but detectable amounts of substances regulated under California's Sale Drinking

Water and Toxic Enforcement Act.

< 3 ppm Araenic < 6 ppm Cadmium < 10 ppm Chromium < 0.1 ppm

Note these were random sample enalyisi and may vary from batch to batch.

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Prepared By:N/A Revision Notes: N/A

Additional Hazard Rating System: N/A

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MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S

HAZARD COMMUNICATION STANDARD

29CFR 1910.1200

Static Control Component

P.O. BOX 152

Sanford North Carolina 27331

Emergency telephone number 1-800-356-2728

telephone number 1-919-774-3808

DATE PREPARED

B/7/02

SIGNATURE OF PREPARER (OPTIONAL)

Product/Chemical Name:

WX840B-UGII 5Si UltraGraphics II

CAS Number:

Mixture Other Designations: NA

General Use:

Laser Printer

SECTION OF COMPOSITION HINFORM	ATION ON INGREDIE	変数を		THE REPORT OF THE PARTY.	
	CAS	%	OSHA	ACGIH	OTHER
Inpredient Name:	NUMBER		PEL	TLV	LIMITS

Toner is regulated under OSHA as particulate not

otherwise regulated:

Styrene-Acrylate Copolymer

25036-16-2 < 60.0

OSHA PEL: 15mg/m2

Magnetite

1317-81-9 > 40.0

Smg/m3 for respirable fraction

Polypropylene Wax

9003-07-0 < 5.0 ACGIH TWA: 10mg/m3 for nulsance particulate

H 1 F

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Sec.8

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<2.0 Proprietary

NDA = NO DATA AVAILABLE

N/A = NOT APPLICABLE

HMIS

Primary Entry Routes: Inhalation

Target Organs: Acute Effects:

. NA

Slight imitation of respiratory tract.

Eye:

inhalation:

Dust may cause irritation by mechanical abrasion.

Skin:

Slight irritation.

Ingestion:

None known.

Carcinogenicity:

N/A

Medical Conditions Aggrevated By 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 althorne particles (duel), it is recommended that the dust be treated as a NUISANCE PARTICULATE according to the American Conference of Government

Industrial Hyglenists (ACGIH)(TLV=10mg/m³).

Inhalation: Eye Contact:

Remove to fresh air. Treat any irritation symptomatically, Call a physician if condition persists. 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:

After first aid, get appropriate in-plant paramedic or community medical support

If serious algn and symptoms persist.

Note to Physicians:

N/A

Special Precautions / procedures:

N/A

SAUSOSHRREHIGHTING MEASORES 2000年1200日 1000日 Flash Point: MA

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Flash Point Method: Burning Rate: N/A Auto Ignition Temperature:

Not Determined

LEL: N/A HEL:

Flammability Classification:

1 Slight (HMIS, NFPA)

Extinguishing Media:

Water sprey, dry chemical, foam, carbon dioxide, or halon type extinguishers.

Unusuai Fire or explosion hazards:

May form flammable duel-eir mixture.

Hazardous combustion products:

Carbon monoxide, carbon dioxide, nitrogen oxide and smoke.

Under certain conditions some sliphalic aldehydes and carboxylic acids

Fire-Fighting Instructions: Fire-Fighting Equipment:

Do not release runoff from fire control methods to sewers or waterways. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with full facepiece operated

in pressure-demand or positive-pressure mode

Section repair accidental reverse impreviates appropriate and the confidence and the conf

Spill / Leak Procedures:

Small Spilla:

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

Containment:

For large spills, avoid suspending particles, collect for later disposal. Do not release

into sewers or waterways.

Cleanup:

No special requirements.

SECTION ANHANDURE AND STORAGE SAFE SECTION OF THE SECTION AND SECTION AND SECTION ASSESSMENT OF THE SECTION ASSESSMENT OF REGULATORY REQUIREMENT:

Handling Precautions: Keep containers closed at all times. Avoid creating dust. Keep away from ignition sources.

Storage Requirements Store in a cool, dry location.

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Engineering Controls:

Ventilation:

Provide general or local exhaust ventilation systems to maintain airborne concentrations

below OSHA PELs (sec.2). Local exhaust vanillation is preferred because it prevents contaminant

dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection:

Seak 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, select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airbome contamination, and presence of sufficient oxygen. For emergency or nonroutine operation (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. Warningi Air-purified respirators do not protect workers in oxygen-deficient

atmospheres.

Protective Clothing/Equipment:

Wear chemically protective gloves, boots, aprons, and gauntiets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye-and face-protection regulations

(29CFR 1910.133). Contact lenses are not eye protective devices, appropriate protection must be worn instead of, or in conjunction with contact lenses. Make emergency eyewash stations and washing facilities available in work area.

Bafety Stations: Contaminated Equipment: Separate contaminated work clothing from street clothes. Launder before

re-use. Remove this material from your shoes and clean personal protective

equipment

Comments:

Never eat, drink, or smoke in work areas. Practice good personal hyglene after using this

material, especially before eating, drinking using the toilet, or applying cosmetics

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BECTIONING HYBICATIAND CHEMICALIPROPERTIES WHICH CHEMICALIPROPERTIES W Water Solubility: Physical State: N/A Other Solubilities: Appearance and Odor: Black, free flowing powder, faint odor. WA **Bolling Point:** NIA Odor Threshold: Freezing/Melting Point: NA Vapor Pressure: N/A Viscosity: Vapor Density(Air=1): Heavior than Bir Refractive Index: N/A N/A Formula Weight: N/A Burface Tension: N/A Denaity: NA %Volatile: (H2O=1, at 4°C): 1.3 - 1.8 Specific Gravity: NA Evaporation Rate: N/A pH: SECTION NO STABILITHAND REACTIVITY IN THE PROPERTY WITH THE WASHINGTON THE RESERVE OF THE PROPERTY OF THE PROP N/A STABILITY: NA POLYMERIZATION: CHEMICAL INCOMPATIBILITIES: NA Avoid open flames CONDITIONS TO AVOID: Toxic decomposition products formed on combustion. HAZARDOUS DECOMPOSITION PRODUCTS: Toxicity Dala: * NA Eye Effects: Acute inhalation Effects:N/A Skin Effects: N/A Acute Oral Effects: N/A Chronic Effects: NA Carcinogenicity: NA Ames lest - Negative Mutapanicity: Teratogenicity: NA *See NIOSH,RTECS for additional toxicity deta-SECTION IN THE COLOGICAL IN FORMATION IN INTERNAL INCIDENT AND THE FORMATION OF THE PROPERTY O Ecoloxicity: NA Environmental Fale: Environmental Degradation: N/A Soll Absorption / Mobility: N/A SECTION STRUCTURED BRATIONS IN THE STRUCTURE AND ASSESSED FOR Waste material may be incineraled / or recycled for its from Oxide under conditions which meet all federal, state and local environmental regulations. NVA Disposal Regulatory Requirements: NA Container Cleaning and Disposal: BECTIONIN MIRANISHORT NEORMATION INTERNAL MENTAL SECTION IN THE SECTION OF THE SE DOT Transportation Dats (49 CFR 172.101):Not specifically listed Packaging Authorizations Quantity Limitations Shipping Name: NA a) Passenger, Aircraft, or в) Exceptions: NA Shipping Symbol: NA b)Non-bulk Packaging: N/A Rallcar: NA Hazard Class: c) Bulk Packaging: NA NVA ID No.: Vessel Stowage Requirements N/A Packing Group: a) vessel stowage: NA NA Label: NA b)Olher: N/A Special Provisions

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EPA Regulations:

RCRA Hezardous Waste Number:

Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification:

(40 CFR 281): Not classified

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CERCLA Hazardous Substance (40 CFR 302.4) listadrunliated apecific 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 Chamical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (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 loner.

All Ingredients are listed on the TSCA Inventory,

Prepared By:

Revision Notes:

N/A

Additional Hazard Rating System:

N/A

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