MATERIAL SAFE [®] MAY BE USED TO C	OMPLY WITH OSHA	S						
	CATION STANDARD	3	tec	hnology esse	ntials			
29CRF 1910.1200								
	E		NCY TELEPH	IONE NUMBE	ER +82-63-83	0-4160/61		
		INFORMA	ATION TELEI	PHONE NUM	BER +82-63-8	330-4161		
	DATE PREPARED:	5/31/06		SIGNATURE (OF PREPARER	(OPTIONAL)		
SECTION 1 CHEM	MICAL PRODUCT /	NAME						
Product/Chemical N		CLT-EF (CLT-14EF)					
CTG Product No:	IVR83096							
CAS Number:	Mixture							
Other Designations								
General Use:	Laser Printer							
SECTION 2 COM	POSITION / INFOR	MATION	ON INGRED	ENTS				
	(CAS	EU	%		OSHA	ACGIH	OTHER
Ingredient Name:	NU	MBER	NUMBER	70		PEL	TLV	LIMITS
					Toner is regula	otherwise regu		e not
Styrene-Acrylate resi	n 250;	36-16-2		30-45		otherwise rege	latea.	
Magnetite		9-38-2		45-55				
Polyolefin	Trade	e Secret		1-5				
Metal Complex	Trade	e Secret		1-5				
Silica								
		62-90-7		1-2				
NDA = NO DATA AV	/AILABLE	62-90-7						
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA	AILABLE ABLE ARDOUS IDENTIFIC							
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation							/HMIS
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs:	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A						HEALTH	1
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects:	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A	CATION					HEALTH FLMMBLTY.	1
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Routo Target Organs: Acute Effects: Inhalation: Sligh	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator	CATION y tract.					HEALTH FLMMBLTY. REACTIVITY	1
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by	CATION y tract.	al abrasion.				HEALTH FLMMBLTY.	1
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Routo Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation.	CATION y tract.	al abrasion.				HEALTH FLMMBLTY. REACTIVITY	1
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation.	CATION y tract.	al abrasion.				HEALTH FLMMBLTY. REACTIVITY	1
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity:	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation.	CATION y tract. y mechanic		1-2	of dust in the rea	spiratory syste	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8)	1
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity:	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. known. N/A	CATION y tract. y mechanic g-Term Exp		1-2	of dust in the res	spiratory system	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8)	1 1
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity:	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. known. N/A Aggravated By Long	CATION y tract. y mechanic g-Term Exp on.	oosure:	1-2 Accumulation of			HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8)	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. known. N/A Aggravated By Long may cause congestii If these materials are the dust may be treat	CATION y tract. y mechanic g-Term Ex on. e used in a uted as a N	posure: manner that c UISANCE PAF	1-2 Accumulation of ould generate a RTICULATE acc	airborne particle	s (dust), it is re	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions Chronic Effects:	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. known. N/A Aggravated By Long may cause congestion If these materials are the dust may be treat Industrial Hygienists	CATION y tract. y mechanic g-Term Ex on. e used in a uted as a N	posure: manner that c UISANCE PAF	1-2 Accumulation of ould generate a RTICULATE acc	airborne particle	s (dust), it is re	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Routo Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions Chronic Effects: SECTION 4 FIRS	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. known. N/A Aggravated By Long may cause congestii If these materials are the dust may be treat Industrial Hygienists T AID MEASURES	CATION y tract. y mechanic g-Term Ex on. e used in a ited as a N (ACGIH)(1	posure: manner that c UISANCE PAF [LV=10mg/m ³)	1-2 Accumulation of ould generate actiniculate actinicula	airborne particle cording to the A	s (dust), it is re merican Confe	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions Chronic Effects: SECTION 4 FIRS Inhalation: Remo	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. known. N/A Aggravated By Long may cause congestie If these materials are the dust may be treat Industrial Hygienists T AID MEASURES ove to fresh air. Treat	CATION y tract. y mechanic g-Term Exp on. e used in a tted as a N (ACGIH)(1	posure: manner that c UISANCE PAF ILV=10mg/m ³) n symptomatic	1-2 Accumulation of ould generate a RTICULATE accumulation ally. Call a physic	airborne particle cording to the A sician if conditio	s (dust), it is re merican Confe	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions Chronic Effects: SECTION 4 FIRS Inhalation: Remo	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. known. N/A Aggravated By Long may cause congestic If these materials are the dust may be treat Industrial Hygienists T AID MEASURES ove to fresh air. Treat se of contact immediat	CATION y tract. y mechanic g-Term Exp on. e used in a ated as a N (ACGIH)(1 any irritatio tely flush w	manner that c UISANCE PAF (LV=10mg/m ³) n symptomatic ith plenty of low	1-2 Accumulation of ould generate a RTICULATE accumulation ally. Call a physic w pressure water	airborne particle cording to the A sician if conditio er for at least	s (dust), it is re merican Confe	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions Chronic Effects: SECTION 4 FIRS Inhalation: Remo Eye Contact: In cas 15 m	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. N/A Aggravated By Long may cause congestii If these materials are the dust may be treat Industrial Hygienists T AID MEASURES ove to fresh air. Treat a se of contact immediat inutes. Remove any con	y tract. y mechanic g-Term Exp on. e used in a uted as a N (ACGIH)(1 any irritatio tely flush w ontact lense	manner that c UISANCE PAF (LV=10mg/m ³) n symptomatic rith plenty of lov es to ensure th	1-2 Accumulation of ould generate a RTICULATE accumulation ally. Call a physic w pressure water	airborne particle cording to the A sician if conditio er for at least	s (dust), it is re merican Confe	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions Chronic Effects: SECTION 4 FIRS Inhalation: Remo Eye Contact: In cas 15 m Skin Contact: Wast	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. known. N/A Aggravated By Long may cause congestic If these materials are the dust may be treat Industrial Hygienists T AID MEASURES ove to fresh air. Treat se of contact immediat	y tract. y mechanic g-Term Exp on. e used in a uted as a N (ACGIH)(1 any irritatio tely flush w ontact lense	manner that c UISANCE PAF (LV=10mg/m ³) n symptomatic rith plenty of lov es to ensure th	1-2 Accumulation of ould generate a RTICULATE accumulation ally. Call a physic w pressure water	airborne particle cording to the A sician if conditio er for at least	s (dust), it is re merican Confe	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions Chronic Effects: SECTION 4 FIRS Inhalation: Remo Eye Contact: In cas 15 m Skin Contact: Wast Ingestion: N/A	AILABLE ABLE ARDOUS IDENTIFIC as: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. N/A Aggravated By Long may cause congestive If these materials are the dust may be treat Industrial Hygienists T AID MEASURES ove to fresh air. Treat a se of contact immediar inutes. Remove any con	CATION y tract. y mechanic g-Term Exp on. e used in a ated as a N (ACGIH)(1 any irritation tely flush w ontact lense unning wate	manner that co UISANCE PAR FLV=10mg/m ³) n symptomatic with plenty of low es to ensure the er.	1-2 Accumulation of ould generate a RTICULATE acc ally. Call a physic w pressure wate orough flushing	airborne particle cording to the A sician if conditio er for at least g.	s (dust), it is re merican Confe	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions Chronic Effects: SECTION 4 FIRS Inhalation: Remo Eye Contact: In case 15 m Skin Contact: Wash Ingestion: N/A	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. N/A Aggravated By Long may cause congestion If these materials are the dust may be treat Industrial Hygienists T AID MEASURES ove to fresh air. Treat a se of contact immediation inutes. Remove any ca in well with soap and ru	CATION y tract. y mechanic g-Term Exp on. e used in a ated as a N (ACGIH)(1 any irritation tely flush w pontact lense unning wate ate in-plant	manner that co UISANCE PAR FLV=10mg/m ³) n symptomatic with plenty of low es to ensure the er.	1-2 Accumulation of ould generate a RTICULATE acc ally. Call a physic w pressure wate orough flushing	airborne particle cording to the A sician if conditio er for at least g.	s (dust), it is re merican Confe	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions Chronic Effects: SECTION 4 FIRS Inhalation: Remo Eye Contact: In case 15 m Skin Contact: Wash Ingestion: N/A	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. N/A Aggravated By Long may cause congestion If these materials are the dust may be treat Industrial Hygienists T AID MEASURES ove to fresh air. Treat is of contact immediation inutes. Remove any con- the well with soap and ru first aid, get appropriations and symptoperations in well with soap and symptoperations and symptoperations.	CATION y tract. y mechanic g-Term Exp on. e used in a ated as a N (ACGIH)(1 any irritation tely flush w pontact lense unning wate ate in-plant	manner that co UISANCE PAR FLV=10mg/m ³) n symptomatic with plenty of low es to ensure the er.	1-2 Accumulation of ould generate a RTICULATE acc ally. Call a physic w pressure wate orough flushing	airborne particle cording to the A sician if conditio er for at least g.	s (dust), it is re merican Confe	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -
NDA = NO DATA AV N/A = NOT APPLICA SECTION 3 HAZA Primary Entry Route Target Organs: Acute Effects: Inhalation: Sligh Eye: Dust Skin: Sligh Ingestion: None Carcinogenicity: Medical Conditions Chronic Effects: SECTION 4 FIRS Inhalation: Remo Eye Contact: In cas 15 m Skin Contact: Wash Ingestion: N/A After if sen	AILABLE ABLE ARDOUS IDENTIFIC es: Inhalation N/A N/A t irritation of respirator may cause irritation by t irritation. known. N/A Aggravated By Long may cause congestiv If these materials are the dust may be treat Industrial Hygienists T AID MEASURES ove to fresh air. Treat se of contact immediat inutes. Remove any con- the well with soap and ru first aid, get appropriations N/A	CATION y tract. y mechanic g-Term Exp on. e used in a ated as a N (ACGIH)(1 any irritation tely flush w pontact lense unning wate ate in-plant	manner that co UISANCE PAR FLV=10mg/m ³) n symptomatic with plenty of low es to ensure the er.	1-2 Accumulation of ould generate a RTICULATE acc ally. Call a physic w pressure wate orough flushing	airborne particle cording to the A sician if conditio er for at least g.	s (dust), it is re merican Confe	HEALTH FLMMBLTY. REACTIVITY PPE (Sec.8) m	1 1 -

SECTION 5	FIRE FIGH	TING MEASURES
Flash Point:	N/A	
Flash Point M		
Burning Rate		
-		: Not Determined
LEL:	N/A	
UEL:	N/A	
Flammability		n: 1 Slight (HMIS, NFPA)
Extinguishing		Water spray, dry chemical, foam, carbon dioxide, or halon type extinguishers.
Unusual Fire	-	
Hazardous Co	-	
		Under certain conditions some aliphatic aldehydes and carboxylic acids
Eiro Eighting	Instructions	may form.
		Do not release runoff from fire controls methods to sewers or waterways.
Fire-Fighting	Equipment:	Because fire may produce toxic thermal decomposition products, wear a
		self-contained breating apparatus (SCBA) with full facepiece operated in pressure-demand or positive-pressure mode.
SECTION 6	ACCIDENT	AL RELEASE MEASURES
SECTION 6 Spill / Leak Pr		N/A
•		a container for disposal, suction up remaining material with a high efficiency
onian opinioi	vacuum clea	
Large Spills:		a container for disposal, suction up remaining material with a high efficiency
go opo.	vacuum clea	
Containment:		ills, avoid suspending particles, collect for later disposal. Do not release
		or waterways.
Cleanup:		equirements.
Regulatory R		
		AND STORAGE
Handling Pred		
	cautions:	Keep containers closed at all times. Avoid creating dust. Keep away from ignition sources.
		Keep containers closed at all times. Avoid creating dust. Keep away from ignition sources. Store in a cool, dry location.
Storage Required Regulatory Regulatory Regulatory	irements:	Store in a cool, dry location.
Storage Requ Regulatory Re	irements: equirement:	Store in a cool, dry location. N/A
Storage Requ Regulatory Re	irements: equirement: EXPOSURE	Store in a cool, dry location.
Storage Requine Regulatory Regulatory 8	uirements: equirement: EXPOSURE Controls:	Store in a cool, dry location. N/A
Storage Requ Regulatory Re SECTION 8 Engineering (irements: equirement: EXPOSURE Controls: Provide gen	Store in a cool, dry location. N/A E CONTROLS / PERSONAL PROTECTION eral or local exhaust ventilation systems to maintain airborne concentrations
Storage Requ Regulatory Re SECTION 8 Engineering (irements: equirement: EXPOSURE Controls: Provide gen below OSH	Store in a cool, dry location. N/A E CONTROLS / PERSONAL PROTECTION eral or local exhaust ventilation systems to maintain airborne concentrations A PELs (sec.2). Local exhaust ventilation is preferred because it prevents contaminant
Storage Requ Regulatory Re SECTION 8 Engineering (irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion ir	Store in a cool, dry location. N/A E CONTROLS / PERSONAL PROTECTION eral or local exhaust ventilation systems to maintain airborne concentrations
Storage Requ Regulatory Ro SECTION 8 Engineering 0 Venilation: Administrativ	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion ir re Controls:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering 0 Venilation:	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion ir re Controls:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering 0 Venilation: Administrativ	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion ir re Controls:	Store in a cool, dry location. N/A E CONTROLS / PERSONAL PROTECTION eral or local exhaust ventilation systems to maintain airborne concentrations A PELs (sec.2). Local exhaust ventilation is preferred because it prevents contaminant to the work area by controlling it at its source. Seek professional advise prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear
Storage Requ Regulatory Ro SECTION 8 Engineering 0 Venilation: Administrativ	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion ir re Controls:	Store in a cool, dry location. N/A E CONTROLS / PERSONAL PROTECTION eral or local exhaust ventilation systems to maintain airborne concentrations A PELs (sec.2). Local exhaust ventilation is preferred because it prevents contaminant into the work area by controlling it at its source. 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
Storage Requ Regulatory Ro SECTION 8 Engineering 0 Venilation: Administrativ	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion ir re Controls:	Store in a cool, dry location. N/A ECONTROLS / PERSONAL PROTECTION eral or local exhaust ventilation systems to maintain airborne concentrations A PELs (sec.2). Local exhaust ventilation is preferred because it prevents contaminant not the work area by controlling it at its source. 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
Storage Requ Regulatory Ro SECTION 8 Engineering 0 Venilation: Administrativ	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion ir re Controls:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering 0 Venilation: Administrativ	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion ir re Controls:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering 0 Venilation: Administrativ	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion ir re Controls:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering O Venilation: Administrativ Respiratory P	irements: equirement: EXPOSURE Controls: Provide gen below OSHA dispersion ir re Controls: Protection:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering 0 Venilation: Administrativ	irements: equirement: EXPOSURE Controls: Provide gen below OSHA dispersion ir re Controls: Protection:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering O Venilation: Administrativ Respiratory P	irements: equirement: EXPOSURE Controls: Provide gen below OSHA dispersion ir re Controls: Protection:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering O Venilation: Administrativ Respiratory P	irements: equirement: EXPOSURE Controls: Provide gen below OSHA dispersion ir re Controls: Protection:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering O Venilation: Administrativ Respiratory P	irements: equirement: EXPOSURE Controls: Provide gen below OSHA dispersion ir re Controls: Protection:	Store in a cool, dry location. N/A ECONTROLS / PERSONAL PROTECTION eral or local exhaust ventilation systems to maintain airborne concentrations A PELs (sec.2). Local exhaust ventilation is preferred because it prevents contaminant into the work area by controlling it at its source. 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 airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operation (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. <i>Warning! Air-purified respirators do not protect workers in oxygen-deficient</i> <i>atmosheres.</i> ment: Wear chemically protective gloves, boots, aprons, and gauntlets 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
Storage Requ Regulatory Ro SECTION 8 Engineering C Venilation: Administrativ Respiratory P	irements: equirement: EXPOSURI Controls: Provide gen below OSH/ dispersion ir re Controls: Protection:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering C Venilation: Administrativ Respiratory P Protective Clo Safety Statior	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion in re Controls: Protection: Protection:	Store in a cool, dry location. N/A ECONTROLS / PERSONAL PROTECTION eral or local exhaust ventilation systems to maintain airborne concentrations A PELs (sec.2). Local exhaust ventilation is preferred because it prevents contaminant to the work area by controlling it at its source. 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 airborne 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 atmosheres. ment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate protection must be worn instead of, or in conjunction with contact lenses. remergency eyewash stations and washing facilities available in work area.
Storage Requ Regulatory Ro SECTION 8 Engineering C Venilation: Administrativ Respiratory P Protective Clo Safety Statior	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion in re Controls: Protection: Protection:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering C Venilation: Administrativ Respiratory P Protective Clo Safety Statior	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion in re Controls: Protection: Protection:	Store in a cool, dry location. N/A ECONTROLS / PERSONAL PROTECTION eral or local exhaust ventilation systems to maintain airborne concentrations A PELs (sec.2). Local exhaust ventilation is preferred because it prevents contaminant the work area by controlling it at its source. 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 airborne 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 atmosheres. ment: Wear chemically protective gloves, boots, aprons, and gauntlets 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. remergency eyewash stations and washing facilities available in work area. Separate contaminated wprk clothing from street clothes. Launder before re-use. Remove this material from your shoes and clean personal protective
Storage Requ Regulatory Ro SECTION 8 Engineering O Venilation: Administrativ Respiratory P Protective Clo Safety Station Contaminated	irements: equirement: EXPOSURE Controls: Provide gen below OSH/ dispersion in re Controls: Protection: Protection:	Store in a cool, dry location. N/A
Storage Requ Regulatory Ro SECTION 8 Engineering C Venilation: Administrativ Respiratory P Protective Clo Safety Statior	irements: equirement: EXPOSURI Controls: Provide gen below OSH/ dispersion in re Controls: Protection: Protection: othing/Equiption ns: Make d Equipment: Never eat, d	Store in a cool, dry location. N/A ECONTROLS / PERSONAL PROTECTION eral or local exhaust ventilation systems to maintain airborne concentrations A PELs (sec.2). Local exhaust ventilation is preferred because it prevents contaminant the work area by controlling it at its source. 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 airborne 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 atmosheres. ment: Wear chemically protective gloves, boots, aprons, and gauntlets 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. remergency eyewash stations and washing facilities available in work area. Separate contaminated wprk clothing from street clothes. Launder before re-use. Remove this material from your shoes and clean personal protective
Storage Requ Regulatory Ro SECTION 8 Engineering O Venilation: Administrativ Respiratory P Protective Clo Safety Station Contaminated	irements: equirement: EXPOSURI Controls: Provide gen below OSH/ dispersion in re Controls: Protection: Protection: othing/Equiption ns: Make d Equipment: Never eat, d	Store in a cool, dry location. N/A

SECTION 9 PHYSICA		CAL DRODEDTIES		
Physical State:		OAL FROPERTIES	Water Solubility:	Negligible
•	Block from the	owing powder, slight odor	•	
Appearance and Odor: Odor Threshold:		owing powder, slight odor		N/A
	N/A		Boiling Point:	N/A
Vapor Pressure:	N/A	- in	Freezing/Melting Point:	100-150 C (Softening Point)
Vapor Density (Air=1):	Heavier than	aır.	Viscosity:	N/A
Formula Weight:	N/A		Refractive Index:	N/A
Density:	N/A		Surface Tension:	N/A
Specific Gravity:	(H ₂ O)=1, at 4	ŀ°C): 1.0-1.5	% Volatile:	N/A
pH:	N/A		Evaporation Rate:	N/A
SECTION 10 STABILI	TY AND REA(
Stability: Stable				
Polymerization: N/A				
Chemical Incompatibiliti				
Conditions to Avoid: Nor				
Hazardous Decompositi		CO and CO2 and other o	decombustion products when	burned
•				
SECTION 11 TOXICO	LOGICAL INF	ORMATION		
Eye Effec	ts: N/A		Toxicity Data:*	
Skin Effe	ts: N/A		Acute Inhalation Effects:	N/A
			Acute Oral Effects:	N/A
			Chronic Effects:	N/A
			Caralmananialter	NI/A
			Carcinogenicity:	N/A
			Mutagenicity: Ames Test	(Estimated from the results of
			Mutagenicity: Ames Test Negative	(Estimated from the results of testing the constituent components)
			Mutagenicity: Ames Test	(Estimated from the results of
	GICAL INFORI		Mutagenicity: Ames Test Negative	(Estimated from the results of testing the constituent components)
SECTION 12 ECOLOO Ecotoxicity: N/A			Mutagenicity: Ames Test Negative	(Estimated from the results of testing the constituent components)
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate:	GICAL INFORI		Mutagenicity: Ames Test Negative	(Estimated from the results of testing the constituent components)
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat	GICAL INFORM N/A ion: N/A		Mutagenicity: Ames Test Negative	(Estimated from the results of testing the constituent components)
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat	GICAL INFORM N/A ion: N/A		Mutagenicity: Ames Test Negative	(Estimated from the results of testing the constituent components)
SECTION 12 ECOLOO Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS	GICAL INFORI N/A ion: N/A y: N/A AL CONSIDEF	MATION	Mutagenicity: Ames Test Negative Teratogenicity:	(Estimated from the results of testing the constituent components) N/A
SECTION 12 ECOLOO Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma	GICAL INFORI N/A ion: N/A y: N/A AL CONSIDEF terial may be inc	MATION RATIONS inerated / or recycled for i	Mutagenicity: Ames Test Negative Teratogenicity:	(Estimated from the results of testing the constituent components) N/A
SECTION 12 ECOLOO Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal,	GICAL INFORI N/A ion: N/A y: N/A AL CONSIDEF terial may be inc state, and local	MATION RATIONS inerated / or recycled for i environmental regulations	Mutagenicity: Ames Test Negative Teratogenicity:	(Estimated from the results of testing the constituent components) N/A
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal, Disposal Regulartory Re	GICAL INFORI N/A ion: N/A y: N/A AL CONSIDER terial may be inc state, and local quirements:	MATION RATIONS inerated / or recycled for i environmental regulations N/A	Mutagenicity: Ames Test Negative Teratogenicity:	(Estimated from the results of testing the constituent components) N/A
SECTION 12 ECOLOO Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal,	GICAL INFORI N/A ion: N/A y: N/A AL CONSIDER terial may be inc state, and local quirements:	MATION RATIONS inerated / or recycled for i environmental regulations	Mutagenicity: Ames Test Negative Teratogenicity:	(Estimated from the results of testing the constituent components) N/A
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal, Disposal Regulartory Re Container Cleaning and	GICAL INFORI N/A ion: N/A y: N/A AL CONSIDEF terial may be inc state, and local equirements: Disposal:	MATION RATIONS inerated / or recycled for i environmental regulations N/A N/A	Mutagenicity: Ames Test Negative Teratogenicity:	(Estimated from the results of testing the constituent components) N/A
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal, Disposal Regulartory Re	GICAL INFORI N/A ion: N/A y: N/A AL CONSIDEF terial may be inc state, and local equirements: Disposal:	MATION RATIONS inerated / or recycled for i environmental regulations N/A N/A ATION	Mutagenicity: Ames Test Negative Teratogenicity:	(Estimated from the results of testing the constituent components) N/A
SECTION 12 ECOLOO Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal, Disposal Regulartory Re Container Cleaning and SECTION 14 TRANSE DOT Transportation Data	GICAL INFORI N/A ion: N/A y: N/A AL CONSIDEF terial may be inc state, and local oquirements: Disposal: PORT INFORM a (49 CFR 172.1	MATION RATIONS inerated / or recycled for i environmental regulations N/A N/A ATION	Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under condition s.	(Estimated from the results of testing the constituent components) N/A
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal, Disposal Regulartory Re Container Cleaning and SECTION 14 TRANSE DOT Transportation Data Shipping Name: N/A	BICAL INFORI N/A ion: N/A y: N/A AL CONSIDER terial may be inc state, and local quirements: Disposal: PORT INFORM a (49 CFR 172.1	MATION RATIONS inerated / or recycled for i environmental regulation: N/A N/A M/A M/A M/A M/A M/A M/A M/A M/A M/A M	Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under condition s.	(Estimated from the results of testing the constituent components) N/A
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal, Disposal Regulartory Re Container Cleaning and SECTION 14 TRANSE DOT Transportation Data Shipping Name: N/A	A CONSIDER terial may be inc state, and local quirements: Disposal: PORT INFORM a (49 CFR 172.1	MATION RATIONS inerated / or recycled for i environmental regulations N/A N/A M/A M/A MION 01): Not specifically Packaging Authorizatio a) Exceptions:	Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under condition s. y listed.	(Estimated from the results of testing the constituent components) N/A s which meet s which meet Quantity Limitations a) Passenger, Aircraft, or
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal, Disposal Regulartory Re Container Cleaning and SECTION 14 TRANSF DOT Transportation Data Shipping Name: N/A Shipping Symbol: N/A Hazard Class: N/A	GICAL INFORM N/A ion: N/A y: N/A AL CONSIDER terial may be inc state, and local equirements: Disposal: PORT INFORM a (49 CFR 172.1	MATION RATIONS inerated / or recycled for i environmental regulations N/A N/A N/A MIDIN 01): Not specifically Packaging Authorizatic a) Exceptions: b) Non-bulk Packaging:	Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under condition s. y listed.	(Estimated from the results of testing the constituent components) N/A
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal, Disposal Regulartory Re Container Cleaning and SECTION 14 TRANSF DOT Transportation Data Shipping Name: N/A Shipping Symbol: N/A Hazard Class: N/A D No: N/A	GICAL INFORM N/A ion: N/A y: N/A AL CONSIDER terial may be inc state, and local equirements: Disposal: PORT INFORM a (49 CFR 172.1	MATION RATIONS inerated / or recycled for i environmental regulations N/A N/A M/A M/A MION 01): Not specifically Packaging Authorizatio a) Exceptions:	Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under condition s. y listed.	(Estimated from the results of testing the constituent components) N/A s which meet S which meet Quantity Limitations a) Passenger, Aircraft, or Railcar:
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal, Disposal Regulartory Re Container Cleaning and SECTION 14 TRANSF DOT Transportation Data Shipping Name: N/A Shipping Symbol: N/A Hazard Class: N/A Packing Group: N/A	GICAL INFORM N/A ion: N/A y: N/A AL CONSIDER terial may be inc state, and local equirements: Disposal: PORT INFORM a (49 CFR 172.1	MATION RATIONS inerated / or recycled for i environmental regulations N/A N/A N/A MIDIN 01): Not specifically Packaging Authorizatic a) Exceptions: b) Non-bulk Packaging:	Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under condition s. y listed.	(Estimated from the results of testing the constituent components) N/A s which meet Quantity Limitations a) Passenger, Aircraft, or Railcar: N/A Vessel Stowage Requirements
SECTION 12 ECOLOG Ecotoxicity: N/A Environmental Fate: Environmental Degradat Soil Absorption / Mobilit SECTION 13 DISPOS Disposal: Waste ma all federal, Disposal Regulartory Re Container Cleaning and SECTION 14 TRANSF DOT Transportation Data Shipping Name: N/A Shipping Symbol: N/A Hazard Class: N/A	GICAL INFORI N/A ion: N/A y: N/A AL CONSIDEF terial may be inc state, and local equirements: Disposal: PORT INFORM a (49 CFR 172.1	MATION RATIONS inerated / or recycled for i environmental regulations N/A N/A N/A MIDIN 01): Not specifically Packaging Authorizatic a) Exceptions: b) Non-bulk Packaging:	Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under condition s. y listed.	(Estimated from the results of testing the constituent components) N/A s which meet S which meet Quantity Limitations a) Passenger, Aircraft, or Railcar:

SECTION 15 REGULATORY INFORMATION

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33) RCRA Hazardous Waste Classification: (40 CFR 261): Not classified 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:

SARA Toxic Chemical (40 CFR 372.65): Not listed

N/A

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

OSHA Regulations:

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

State Regulations: Check your states regulations that may specifically list copy machine toner.

SECTION 16 OTHER INFORMATION

Prepared By: N/A Revision Notes: N/A Additional Hazard Rating System: N/A

> THIS INFORMATION IN THIS MSDS WAS OBTAINED FROM SOURCES WHICH WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY EXPRESS OR IMPLIED, REGARDLESS IT'S CORRECTNESS. THE CONDITIONS OR METHODS OF HANDLING, STORAGE, USE AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL, AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.