MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD 29CRF 1910.1200

CLOVER TECHNOLOGIES 4200 COLUMBUS STREET

OTTAWA, ILLINOIS 61350

CLOVER TECHNOLOGIES GROUP

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HAZARD COM							
29CRF 1910.12	200						
				PHONE NUMBER 304-			
				PHONE NUMBER 800-			
		PREPARED: 5/31/0		SIGNATURE OF PREPAR	ER (OPTIONAL)		
		PRODUCT / NAME					
Product/Chem		5P MI	CR				
CTG Product I							
CAS Number:		Mixture					
Other Designa		N/A					
General Use:		Laser Printer					
SECTION 2	COMPOSITI	ON / INFORMATIO		INTO			
SECTION 2	CONFOSITI	CAS	EU		OSHA	ACGIH	OTHER
ngredient Nar	ne [.]	NUMBER	NUMBER	%	PEL	TLV	LIMITS
ingreatent ital		Nomber	NOMBER			120	LIMITO
				Toner is reg	ulated under OSH	HA as particulat	e not
					otherwise regu		
Styrene Acrylic	Copolymer	25153-46-2	2			10mg/m ³ total	
Aodified Polye	ster Resin	N/A				10mg/m ³ total	
Polypropylene	Wax	9010-79-1				10mg/m ³ total	
ron Oxide		12227-89-3				10mg/m ³ total	
Cahrged Contro	ol Dye	84179-66-8	3			5mg/m ³ total c	
umed Silica		68611-44-9)			10mg/m ³ total	dust
NDA = NO DA'	TA AVAILABL	known to remain haz		ccording 29 CFR 1910.12	00.	c	
NDA = NO DA NA = NOT AP	TA AVAILABL PLICABLE	known to remain haz E	ardous properties a	ccording 29 CFR 1910.12	00.		
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NDA = NO DA N/A = NOT AP SECTION 3 Primary Entry	TA AVAILABL PLICABLE HAZARDOU Routes:	known to remain haz E S IDENTIFICATIO	ardous properties a	ccording 29 CFR 1910.12	00.		/HMIS 1
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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.
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Storage Requ Regulatory Re	irements: equirement: EXPOSURE	Store in a cool, dry location.
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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
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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 ms: 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 ms: Make d Equipment: Never eat, d	Store in a cool, dry location. N/A

SECTION 9 PHYS				
Physical State:			Water Solubility:	Insoluble
Appearance and Odd	r. Black fi	ree flowing powder, slight odor	-	N/A
Odor Threshold:	N/A	ee nowing powder, sight odor	Boiling Point:	N/A
/apor Pressure:	N/A N/A		Freezing/Melting Point:	N/A
Vapor Density (Air=1		than air.	Viscosity:	N/A
). Heavier N/A		Refractive Index:	
Formula Weight:				N/A
Density:	N/A		Surface Tension:	N/A
Specific Gravity:	,	, at 4°C): 1.4	% Volatile:	N/A
oH:	N/A		Evaporation Rate:	N/A
SECTION 10 STAI		REACTIVITY		
Stability: Stable	1			
Polymerization:	will not occur			
Chemical Incompatil	bilities: N	lone		
Conditions to Avoid:				
Hazardous Decompo	sition Product	t s: None		
SECTION 11 TOXI	COLOGICAL	INFORMATION		
Eye E	ffects: N	I/A	Toxicity Data:*	
Skin I	Effects: N	I/A	Acute Inhalation Effects:	N/A
Skint	mects: N	//A		
			Acute Oral Effects:	N/A
			OL 1 511	N1/A
			Chronic Effects:	N/A
			Chronic Effects: Carcinogenicity:	N/A N/A
			Carcinogenicity:	N/A
			Carcinogenicity:	N/A
			Carcinogenicity: Mutagenicity: Ames Test	N/A (Estimated from the results of
Ecotoxicity:	Logical inf N/A	·	Carcinogenicity: Mutagenicity: Ames Test Negative	N/A (Estimated from the results of testing the constituent components)
SECTION 12 ECO Ecotoxicity: Environmental Fate:	L ogical inf N/A N/A	ORMATION	Carcinogenicity: Mutagenicity: Ames Test Negative	N/A (Estimated from the results of testing the constituent components)
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra	LOGICAL INF N/A N/A adation: N	FORMATION	Carcinogenicity: Mutagenicity: Ames Test Negative	N/A (Estimated from the results of testing the constituent components)
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra	LOGICAL INF N/A N/A adation: N	ORMATION	Carcinogenicity: Mutagenicity: Ames Test Negative	N/A (Estimated from the results of testing the constituent components)
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo	LOGICAL INF N/A adation: N bility: N	FORMATION I/A I/A IDERATIONS	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity:	N/A (Estimated from the results of testing the constituent components) N/A
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste	LOGICAL INF N/A adation: N bility: N OSAL CONS material may b	I/A I/A IDERATIONS	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: ts Iron Oxide under conditions	N/A (Estimated from the results of testing the constituent components) N/A
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed	LOGICAL INF N/A adation: N bility: N OSAL CONS material may b eral, state, and	FORMATION I/A I/A IDERATIONS be incinerated / or recycled for i local environmental regulations	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: ts Iron Oxide under conditions	N/A (Estimated from the results of testing the constituent components) N/A
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed Disposal Regulartor	LOGICAL INF N/A adation: N bility: N OSAL CONS material may b eral, state, and r Requirement	FORMATION I/A I/A IDERATIONS be incinerated / or recycled for in local environmental regulations s: N/A	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: ts Iron Oxide under conditions	N/A (Estimated from the results of testing the constituent components) N/A
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed Disposal Regulartor	LOGICAL INF N/A adation: N bility: N OSAL CONS material may b eral, state, and r Requirement	FORMATION I/A I/A IDERATIONS be incinerated / or recycled for i local environmental regulations	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: ts Iron Oxide under conditions	N/A (Estimated from the results of testing the constituent components) N/A
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed Disposal Regulartory Container Cleaning a	LOGICAL INF N/A adation: N bility: N OSAL CONS material may b eral, state, and r Requirement and Disposal:	FORMATION I/A I/A IDERATIONS De incinerated / or recycled for in local environmental regulations s: N/A N/A	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: ts Iron Oxide under conditions	N/A (Estimated from the results of testing the constituent components) N/A
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed Disposal Regulartory Container Cleaning a	LOGICAL INF N/A adation: N bility: N OSAL CONS material may b eral, state, and r Requirement and Disposal:	FORMATION I/A I/A IDERATIONS De incinerated / or recycled for incinerated / or recycled for incinerated	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: ts Iron Oxide under conditions s.	N/A (Estimated from the results of testing the constituent components) N/A
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed Disposal Regulartory Container Cleaning a SECTION 14 TRAI DOT Transportation	LOGICAL INF N/A adation: N bility: N OSAL CONS material may b eral, state, and r Requirement and Disposal:	FORMATION I/A I/A IDERATIONS De incinerated / or recycled for incinerated / or recycled for incinerated	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: Its Iron Oxide under conditions s.	N/A (Estimated from the results of testing the constituent components) N/A
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed Disposal Regulartory Container Cleaning a SECTION 14 TRAI DOT Transportation Shipping Name:	LOGICAL INF N/A adation: N bility: N OSAL CONS material may b eral, state, and r Requirement and Disposal: NSPORT INF(Data (49 CFR 1	FORMATION I/A I/A IDERATIONS IDERATIONS Iocal environmental regulations s: N/A N/A N/A DRMATION IT2.101): Not specifically	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: Its Iron Oxide under conditions s.	N/A (Estimated from the results of testing the constituent components) N/A
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed Disposal Regulartory Container Cleaning a SECTION 14 TRAI DOT Transportation Shipping Name: Shipping Symbol:	LOGICAL INF N/A N/A adation: N bility: N OSAL CONS material may b eral, state, and r Requirement and Disposal: NSPORT INF(Data (49 CFR 1	CORMATION I/A I/A I/A IDERATIONS IDERATIONS Is: N/A N/A DRMATION I72.101): Not specifically Packaging Authorization	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under conditions s. y listed.	N/A (Estimated from the results of testing the constituent components) N/A s which meet Quantity Limitations
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed Disposal Regulartory Container Cleaning a SECTION 14 TRAI DOT Transportation Shipping Name: Shipping Symbol: Hazard Class:	LOGICAL INF N/A N/A adation: N bility: N OSAL CONS material may b eral, state, and r Requirement and Disposal: NSPORT INF(Data (49 CFR 1 N/A N/A	CORMATION I/A I/A I/A IDERATIONS De incinerated / or recycled for i local environmental regulations s: N/A N/A DRMATION I72.101): Not specifically Packaging Authorizatic a) Exceptions: b) Non-bulk Packaging:	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under conditions s. y listed. N/A	N/A (Estimated from the results of testing the constituent components) N/A s which meet Quantity Limitations a) Passenger, Aircraft, or
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed Disposal Regulartory Container Cleaning a SECTION 14 TRAI DOT Transportation Shipping Name: Shipping Symbol: Hazard Class: D No:	LOGICAL INF N/A adation: N bility: N OSAL CONS material may b eral, state, and r Requirement and Disposal: NSPORT INF Data (49 CFR 1 N/A N/A N/A N/A	CORMATION I/A I/A I/A IDERATIONS IDERATIONS Include a contract of the inclusion of the in	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under conditions s. y listed. N/A N/A N/A	N/A (Estimated from the results of testing the constituent components) N/A s which meet Quantity Limitations a) Passenger, Aircraft, or Railcar: N/A
SECTION 12 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste all fed Disposal Regulartory Container Cleaning a SECTION 14 TRAI DOT Transportation Shipping Name: Shipping Symbol: Hazard Class: D No: Packing Group:	LOGICAL INF N/A adation: N bility: N OSAL CONS material may b eral, state, and r Requirement and Disposal: NSPORT INF(Data (49 CFR 1 N/A N/A N/A N/A N/A N/A	CORMATION I/A I/A I/A IDERATIONS De incinerated / or recycled for i local environmental regulations s: N/A N/A DRMATION I72.101): Not specifically Packaging Authorizatic a) Exceptions: b) Non-bulk Packaging:	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under conditions s. y listed. N/A N/A N/A	N/A (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 ECO Ecotoxicity: Environmental Fate: Environmental Degra Soil Absorption / Mo SECTION 13 DISP Disposal: Waste	LOGICAL INF N/A N/A adation: N bility: N OSAL CONS material may be eral, state, and r Requirement and Disposal: N/A Data (49 CFR 1 N/A N/A N/A N/A N/A N/A N/A N/A	CORMATION I/A I/A I/A IDERATIONS De incinerated / or recycled for i local environmental regulations s: N/A N/A DRMATION I72.101): Not specifically Packaging Authorizatic a) Exceptions: b) Non-bulk Packaging:	Carcinogenicity: Mutagenicity: Ames Test Negative Teratogenicity: its Iron Oxide under conditions s. y listed. N/A N/A N/A	N/A (Estimated from the results of testing the constituent components) N/A s which meet Quantity Limitations a) Passenger, Aircraft, or Railcar: N/A

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

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