MATERIAL SAFETY DATA SHEET

		I PRODUC	TIDENTIF						
ANUFACTURER'S NAME	REGULAR TELEPHONE NO. $\pm 04-233-6811$ EMERGENCY TELEPHONE NO. Chemtrec 830-424-4								
	Peachtree ita, Georgia	Rd. NE, Suite a 30326	e 401						
TRADE NAME B	Light an	d Der	nse Gra	ides 					
SYNONYMS	Copper Ca	arbonate							
SHIPPING	рот: С	pper Carbona	te				<u></u>		
NAME ¹	IATA:								
		II HAZARD	OUS INGE	REDIENTS ²	<u>,</u>				
MATERIAL OR COM		PONENT		CAS NO.	%		HAZARD DATA		
Basic Copper	Cu(OH)2°Cu	CO3	12069 - 69 - 1	100) Aiı	r contaminant as dust			
Two grades:						or	mist TWA 8 hr. =		
Light Grade, Bulk Density 30 - 35 lb/ft ³			lb/ft ³			l r	mg/M ³ as copper.		
Dense Gra	ade, Bulk D	ensity 70 - 75	lb/ft ³						
		ic 55%) **							
* Basic copper s	arbonate is	not a hazardo	us mater	ial			·		
	rain hazard	ous ingredient	.S .		rt 370	, ,			
** Reportable under SARA Ti		N.A. *		MELTING POINT Decomposes above 200° C.					
SPECIFIC GRAVITY (H ₂ O = 1)		4.0		VAPOR PRESSURE N.A.					
VAPOR DENSITY (AIR = 1	/APOR DENSITY (AIR = 1)		N.A.		solubility in H ₂ 0 % BY wt Insoluble. Cold water = <0.0002 g/100 mls. Water decomp				
% VOLATILES BY VOL.		N.A.			EVAPORATION RATE (BUTYL ACETATE = 1) N. A.		·		
APPEARANCE AND ODOF	1	Dark green	powder	Ph (AS IS) Ph (1% SOI	Ph (AS IS) N. A. Ph (1% SOLN.) N. D.		. A. . D.		
		IV FIRE A	ND EXPLO	SION DAT	Α				
SELASH POINT(TEST METHOD)	Not flam	Not flammable			AUTOIGNITION TEMPERATURE N.A.		. A.		
FLAMMABLE LIMITS IN AIR, % BY VOL.			LOWER	_		UPPER	-		
EXTINGUISHING MEDIA	Extingu	ishing agent fo	or the ma	iterial th	terial that is burning.				
SPECIAL FIRE FIGHTING PROCEDURES	None known								
UNUSUAL FIRE AND EXPLOSION	None kr	nown		,					

	V HEALTH HAZA	RD INFORMATION		
HEALTH HAZARD DATA	HAZARD CLASSIFICATION	BASIS FOR CLASSIFICATION	SOURCE	
ROUTES OF EXPOSURE	Not determined	TLV - TWA s hrs = 1 mg/M ³	29 CFR 4 141). (2)	
SKIN CONTACT	Not irritating to skin (FHSLA)	Skin irritation Index (rabbits) = zero	Laboratory tests on product	
SKIN ABSORPTION	Not determined			
EYE CONTACT	Mild irritant.	Eye irritation score (rabbits) = 6.0; 3.7; and 9 at 24, 48 and 72 hours	Laboratory test	
INGESTION	Moderate toxicity	Oral LD ₅₀ (rats) = 0.625 to 1.250 g/kg body weight	Laboratory test on product	
ACUTE OVEREXPOSURE	Copper ingestion is seld as copper is an emetic.	om fatal. Ingestion may caus	e vomiting	
CHRONIC OVEREXPOSURE	None known			
EMERGENCY AND FIRST AID PR		vater for at least 15 minutes.	See a physician.	
skin: No speci	al procedures.			
inhalation: Remove	worker from exposure an	d seek medical aid.	,	
ingestion: Drink la	rge quantity of water or m	ilk. Seek medical aid.		
IOTES TO PHYSICIAN				

VI REACTIVITY DATA

NOTTIONS CONTRIBUTING TO INSTABILITY

None known

COMPATIBILITY

Mixing with acids will solubilize product to form the respective copper acid salts which are water soluble.

ZARDOUS DECOMPOSITION PRODUCTS

None known. High temperature decomposes product releasing CO2, producing cupric oxide.

INDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION

None known

VII DISPOSAL, SPILL OR LEAK PROCEDURES

QUATIC TOXICITY (E.G. 96 HR. TLM):

Not determined

ASTE DISPOSAL METHOD

Remove waste to an approved chemical landfill for disposal. Product is not listed in 40 CFR 261.33. when discarded.

TEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Contain spill and if dry sweep up product and dispose in an approved landfill. If wet remove this insoluble product and dispose in an approved landfill.

EUTRALIZING CHEMICALS

Product is neutral and water insoluble. If it has been solubilized by an acid, use lime or soda ash to neutralize into insoluble product.

VIII SPECIAL PROTECTION INFORMATION

/ENTILATION REQUIREMENTS

OSHA regulation 29 CFR 1910.1000 lists the 8 hour TWA for any copper dust as 1 mg/m^3 as copper.

PECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY (SPECIFY IN DETAIL) An appropriate dust mask must be worn if TWA exceeds allowable limit.

EYE. Chemical goggles should be worn when handling product and eye contact is possible.

GLOVES Not known to be necessary. However, wearing of chemical gloves is a good suggested practice when handling chemicals.

OTHER CLOTHING AND EQUIPMENT

No other clothing or equipment is known to be necessary.

IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS

This product may be toxic to fish. Keep out of lakes, streams, or ponds.

Keep product out of reach of children. Hamful if swallowed.

OTHER HANDLING AND STORAGE REQUIREMENTS

Store in a dry place.

ADDITIONAL REGULATORY CONCERNS

FEDERAL:

FDA

USDA

CPSC

IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL AC TSCA INVENTORY OF CHEMICAL SUBSTANCES? ___

Light copper carbonate is registered with EPA as a pesticide. OTHER

STATE:

OSHA: Product is a hazardous material as defined by 29 CFR 9 1910, 1200 because its dust and mist is regulated as an air contaminant.

Product is not listed by the National Toxicology Program, the International Agency for Research on Cancer, nor the Registry of Toxic Effects of Chemical Substances (1881-82) as a carcinogen or a potential carcinogen.

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	Technical Service Specialist	

TITLE: Technical Service Specialist

HMRevised

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