U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration Form Approved OMB No. 44-R1387

Required under USDL Safety and Health Regulations for Ship Repairing,

Shipbuilding, a			g (29 CFR 1915, 1916, 1917)				
7,		SECT	10N 1				
MANUFACTURER'S NAME SECTION 1 EMERGENCY TELEPHO							
Mason Color & Chemical Works, Inc. 216-385-4400							
ADDRESS (Number, Street, City, State, and ZIP Co 250 E. Second St., P. O. Box	اماء		Liverpool, Oh 43920				
CHEMICAL NAME AND SYNONYMS			TRADE NAME AND SYNONYMS Turquoise Blue 63	64 (K- <u>3364</u>)		
CHEMICAL FAMILY Zr V CAS 68186-95-8 Zi		 	FORMULA Not available				
Zr V CAS 68186-93-8 Z1	1001	<u> </u>					
SECTION II - HAZARDOUS INGREDIENTS							
PAINTS, PRESERVATIVES, & SOLVENTS	*	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)		
PIGMENTS			BASE METAL .	<u> </u>			
CATALYST		<u> </u>	ALLOYS	<u> </u>			
VEHICLE	<u></u>		METALLIC COATINGS				
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX	-			
ADDITIVES			OTHERS	-			
OTHERS					711/		
HAZARDOUS MIXTURES	OF	THER LIC	UIDS, SOLIDS, OR GASES	%	TLV (Units)		
,		1					
SEC	TIOI	VIII - P	HYSICAL DATA				
BOILING POINT (°F.)	N.A.		SPECIFIC GRAVITY (H2O=1)				
VAPOR PRESSURE (mm Hg.)	N.A.		PERCENT, VOLATILE BY VOLUME (%)	None			
VAPOR DENSITY (AIR*1)			EVAPORATION RATE	None			
SOLUBILITY IN WATER	1	race					
APPEARANCE AND ODOR							
					<u> </u>		
SECTION IV	FIR	E AND E	XPLOSION HAZARD DATA		Ual		
FLASH POINT (Method used) N.A.	-		FLAMMABLE LIMITS N.A.		O a i		
EXTINGUISHING MEDIA N.A.							
SPECIAL FIRE FIGHTING PROCEDURES N.A.							
UNUSUAL FIRE AND EXPLOSION HAZARDS None							

	HATER	TAL SAFETY DATA SH	EET			
1	SECTION 1	- IDENTIFICATION C	F PRODUCT	<u> </u>		
SUPPLIER'S NAME Mason C	EMERGENCY TELEPHONE NUMBER 216-385-4400					
ADDRESS 250 E. 2nd Str	eet, P. O. Box 76, East	Liverpool, Ohi	o 43920			
Date this form prepared Nov. 1,	, 1985 Responsible for Preparation	Poncilet 1	Mason	Chemical Family	Inorganic Pigment	
Trade Name & Synonyms Turquoise	Blue 6364 (K-3364)	CAS Number	68186-95-8	*		
Chemical name	dium Blue - Zircon	Basic Chemical Formula	(Zr,V)SiO	4 .		
	SECTION II	- HAZARDOÚS INGR		1		
HATERIAL OR COMPONENT			OCCUPATION	AL EXPOSURE LIMIT	'S	
This product is a mixt		ACGIH-TWA (198	5-86)	OSHA-PEL		
amounts of oxides of s		5 mg/m ³ as Zr		5 mg/m ³ as Zi	<u>.</u>	
salts and some compount to be a nuisance dust;	•	$0.05 \text{ mg/m}^3 \text{ for}$. v ₂ 0 ₅	dust 0.5 mg/m		
of these components ar		dust & fume	2 3	fume 0.1 mg/m		
and ionically interfus						
tain chemical structur	es and the final					
product does not repre	sent individual			·		
component.	•					
* Contains modifier(s)	•					
	SECTION II	I PHYSICAL DATA	Y (WATER =1)	IN VOLATILE BY	YOLUFE	
MOILING POINT (-C) N/A B	lue Powder - odorless	N/A		None		
SOLUBILITY IN WATER VA	POR PRESSURE (mm Hg) N/A	YAPOR DENSITY (N/A	EVAPORATION R	AIE None	
	SECTION IV - FIRE			1141		
FLASH POINT (HETHOO USED) Non-Flamable	! FLAMMABLE LIMITS	N/A	LEL 	UEL		
EXTINGUISHING HEDIA Carbon	dioxide, dry chemical o					
SPECIAL FIRE FIGHTING PROCED	URES Not a fire hazard. when large quantit	•		thing apparat	us	
LNUSUAL FIRE AND EXPLOSION H	AZAROS None expected.				<u> </u>	
	SECTION V - HEA	LTH HAZARO DATA				
OCCUPATIONAL EXPOSURE LIHITS	94917911 11411	<u> </u>				
	See Section II					
Skin - Skin cont. Inhalation - Inhalation irritation additional	irritation. act may cause irritation n of concentration above n of respiratory passage l information. y cause excessive coughi	the Occupatios, bronchitis.	nal Exposure For detail	. Limit may ca . see Section	use IX	

EHERGENCY AND FIRST AID PROCEDURCS

Eye - Flush thoroughly with potable water for 15 minutes. Consult physician.

Skin - Remove contaminated clothing, wash thoroughly with soap & water. Consult physician.

Inhalation Remove to fresh air. May give oxygen. Consult physician.

Ingestion - Induce vomiting if conscious. Consult physician.

	y 4	SECTION	V - HEA	LTH HAZARD D	ATA	
THRESHOLD LIMIT	r value No	t determi	ned for	this product.	· · · · · · · · · · · · · · · · · · ·	·
EFFECTS OF OVER	<u>-</u>			-		,
				<u> </u>		
EMERGENCY AND	FIRST AID PROCE	DURES				
		. N	one requ	ired		
	<u> </u>	·		·	· · · · · · · · · · · · · · · · · · ·	
<u> </u>	<u> </u>	· ·	•			······································
		SECTIO	N VI - R	EACTIVITY DAT	ΓA	
STABILITY	UNSTABLE		CONDITION	S TO AVOID		
	STABLE	x	·			
INCOMPATABILITY	(Materials to avoid					
HAZARDOUS DECC	MPOSITION PROD	UCTS				
HAZARDOUS	MAY OCC	UR		CONDITIONS TO A	VOID	
POLYMERIZATION	WILL NOT	OCCUR	7,			
<u> </u>			l_X	1	·	
	SEC	TIONVII	- SPILL	OR LEAK PROCE	DURES	
STEPS TO BE TAKE	N IN CASE MATE	RIAL IS RELE	EASED OR S	PHLEO	** , , , , , , , , , , , , , , , , , ,	
Use any fear	alble method	for dry	nowder c	leanun (f.e. v	agum be	sh and pan, etc.)
			PONGOL C	*******	asuum, DII	SIL AIR PAIL, PLEAS
WASTE DISPOSAL M		t land f				
 	, IIIC	L LUITO L				
			· · - · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
			· · · · · · · · · · · · · · · · · · ·			
	SECTION	IVIII - SP	ECIAL P	ROTECTION INF	ORMATION	
RESPIRATORY PRO	rection (Specify respirator t	<i>type)</i> o prevent	inhalat	ion and ingest	·i on	
VENTILATION	LOCAL EXHAUS		nove dust	Š	PECIAL	None '
	MECHANICAL /G	CHANICAL <i>(General)</i> As required			THER	None
PROTECTIVE GLOVES EYE PROTECTION						Hono
OTHER PROTECTIVE		None			No	
		Hone				
	S	ECTION I	X - SPEC	IAL PRECAUTIO	NS	
PRECAUTIONS TO B	E TAKEN IN HAN	LING AND S	TORING			
1. Prevent and	d/or remove	lusts. 2.	Maintai	n clean work a	rea.	
OTHER PRECAUTION	is .			e eating to pr		etion
	nasti ilgitus	_x,, y + y M5H	. 	- Maria Citto Inti Itali	- A-LILL LIE	A. J. J. H. L.
				<u></u>		

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and was to					
•	<u>,</u>	SECTIO: VI	- REACTIVITY DATA	1	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
STABILITY L	I UNSTABLE	CONDITIONS TO AVOID		MAY OCCUR	CONDITIONS TO AVOID
	STABLE X	N/A		WILL NOT OCCUR X	N/A
INCOMPATIBI	LITY (MATERIALS TO AVOI	D) N/A			
HAZARD DECC	MPOSITION PRODUCTS				
То	xic Fumes of oxides	may be present di	uring decomposit	ion.	
	1		LL OR LEAK PROCEDURE	S	
	TAKEN IN CASE MATERIAL ntain spill. Pick			ntainer for dispo	sal.
WASTE DISPO	SAL ÆTHŒ spose in accordance				
	PROTECTION (SPECIFIC TO cborne level exceed	(-t	roved respirator	y protection whe	re
VENTILATION	LOCAL EXHAUST	Х	SPECIAL N,	/A	
	HECHANICAL (GEN	ERAL)	OTHER Adequate	to maintain belo	w exposure limit.
	OTECTIVE EQUIPMENT We lety showers and ey				d eye contact.
			- SPECIAL PRECAUTION		
	O BE TAKEN IN HANDLING nage. Avoid contac			Protect against	physical
	TIONS Avoid breathi				noroughly after
ADDITIONAL II	NFORMATION				····

Long term exposure to silica dust can cause silicosis which is characterized by shortness of breath.