

95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838

SECTION	I - IDENTIF	ICATIO	0 = Least	Flammability	1			
IDENTITY (As U				e #4 WB Pr	imer-Sealer Hardener	1 = Slight 2 = Moderate	Reactivity	0
COMMON NAM	•		Emulsified An			з = ніgп 4 = Extreme	Personal Protection	G
		ст со	MPONENT		CAS.#	OSHA PEL	ACGIH TLV	
Water					7732-18-5	N.E. ¹	N.E.	
Polyamine Cu	rative				Proprietary ²	N.E.	N.E.	
	xy Resin Adhes	sion Prom	otor		Proprietary	N.E.	N.E.	
					•			,
¹ None Establis	shed							
² The manufact	urer of the com	nponent st	ates that they w	vill provide ac	lditional information to a	health professional	in the	
event of a m	edical emergen	cy.						
T.S.C.A. Statu	s - O.K. on all	above co	mponents.					
FOR SPILL	, LEAK, FIRE	E, OR AC	CCIDENT, CA	LL CHEMT	REC 24-HOUR EMERG	ENCY NUMBER	1-800-424-930	00
SECTION	III - PHYSIC	CAL/CH	IEMICAL C	HARACTI	ERISTICS			
Boiling Point				>400°F	Specific Gravity (H2O = 1)		1.07	
Vapor Pressure	(mm Hg)			not known	Melting Point		N/A	
Vapor Density (A	AIR = 1)			not known	Evaporation rate (Butyl Acet	tate = 1)	not known	
Volatile Organic	Compounds (VO	C) = < 2 gr	ams/liter					
Solubility in Wat	er	Soluble						
Appearance and	Odor	Pale yell	ow viscous liqu	id. Mild este	er-like odor.			
SECTION	IV - FIRE a	nd EXF	PLOSION H	AZARD D	ATA			
Flash Point (Clo	sed Cup Method)				Flammable Limits	LEL	UEL	
				212°F		N/A	N/A	
Extinguishing M			Water spray, F	Foam, CO ₂ , Dr	ry Chemicals.			
Special Firefight	ing Procedures							
Wear full prot	ective equipme	nt includi	ng self-contain	ed breathing	apparatus.			
Unusual Fire and	d Explosion Haza	rde						
· ·		•	ay to prevent pr	ressure build-	up that may rupture the cor	ntainers.		
	roducts may be		\ A T A					
	V - REACT	IVIII L	Conditions to Av	oid				
Stability	Unstable			old				
Incompatibility (Stable	X	None known					
	Materials to Avoid	-	None known	D E' C		:	J	
	May Occur	Journe	Conditions to Av		rbon monoxide, Carbon di	oxide, Nitrogen oxi	ues.	
Hazardous Polymerization	Will Not Occur	X	None known.					
		- 1	TOTIC KIIOWII.					

SECTION VI - HEALTH HAZARD DATA Route(s) of Entry: Inhalation? Skin? Ingestion? YES YES YES Irritation of skin. Signs and Symptoms of Exposure Health Hazards (Acute and Chronic) ACUTE - Irritation of skin and dermatitis. CHRONIC - Repeated overexposure will cause severe skin irritation, dermatitis and sensitization. Sensitized persons may experience rapid irritation of skin upon exposure. Persons with lung disorders or who are sensitized should not use this product. NTP? IARC Monographs? OSHA Regulated? Carcinogenicity: NO NO NO Medical Conditions Generally Aggravated by Exposure Allergy, skin disorders Emergency and First Aid Procedures EYES - Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary. SKIN - PROMPTLY wash with soap and water. DO NOT wash with solvents. Seek medical advice if irritation develops or persists. INHALATION - Move person to fresh air if effects occur. If needed, give oxygen or artificial respiration to improve breathing. Consult physician. INGESTION - Get medical attention immediately. Never give liquids to an unconscious or convulsing person. SECTION VII - CONTROL MEASURES Respiratory Protection (Specify Type) Provide adequate exhaust ventilation; use a NIOSH approved respirator if PELS/TLVS are exceeded. Ventilation Local Exhaust Special If needed. None known. Mechanical Adequate exhaust ventilation must exhaust AWAY from applicator. Protective Gloves Eye Protection Natural rubber or Neoprene. Splash goggles or face shield. Other Protective Clothing or Equipment Use rubber apron, face shield and appropriate clothing to prevent contact with skin. Launder contaminated clothing before reuse. Discard contaminated leather shoes and canvas sneakers. Protective skin creams help cleaning with soap and water, but gloves must still be worn. An eye wash station or an adequate supply of clean water must be available at work area. Work/Hygienic Practices Enforce careful handling to prevent splashing. Wash thoroughly after use. SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE Steps to be Taken in Case Material is Released or Spilled Wear protective equipment to prevent exposure. Stop spill and dike to prevent spreading. Cover spill with absorbent materials and collect into containers. Clean contaminated area with detergent and water or a steam cleaner for best results. Waste Disposal Method Dispose in accordance with Federal, State and Local requirements. Precautions to be Taken in Handling and Storing Keep containers tightly closed when not in use. Other Precautions NONE KNOWN. Prepared by Murty Bhamidipati - Chemist PLEASE "The above information is accurate to the best of our knowledge, However, since data, safety standards, and government regulations are subject to change NOTE

and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use."



95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838 Date

Date Prepared 6/13/2014

HAZARD RATING

SECTION	I - IDENTIF	ICATIO	NC			0 = Least	Flammability	1
IDENTITY (As U	Ised on Label)		Dur-A-G	laze #4 F	RESIN/ Bio-Pruf®	1 = Slight 2 = Moderate	Reactivity	0
COMMON NAM	E		Epoxy Resin			3 = Hign 4 = Extreme	Personal Protection	G
SECTION	II - PRODU	СТ СС	MPONENT	ΓS	CAS.#	OSHA PEL	ACGIH TLV	
Diglycidyl Et	her Bisphenol	A Epox	y Resin		25085-99-8	N.E. ¹	N.E.	
Aliphatic Glyc	idyl Ether Dilu	ient			68609-97-2	N.E.	N.E.	
Film Additive	S				Proprietary ²	N.E.	N.E.	
Not Establish	ed							
The manufact	urer of these co	omponen	t states that the	ey will provid	de additional information to a he	alth professional	in the	
event of an e	mergency.							
							_	
T.S.C.A. Statu	s - O.K. on all	above co	omponents.					
			•	ALL CHEM	TREC 24-HOUR EMERGEN	CY NUMBER	1-800-424-9300*	
			HEMICAL (
Boiling Point				N/A	Specific Gravity (H2O = 1)		>1	
Vapor Pressure	(mm Hg)			N/A	Melting Point		N/A	
Vapor Density (A	AIR = 1)			N/A	Evaporation rate (Butyl Acetate =	= 1)	N/A	
Volatile Organic	Compounds (VO	C)		0 g/L				
Solubility in Wat	er	None						
Appearance and	Odor	Viscous	liquid. Mild	characteristic	odor.			
SECTION	IV - FIRE a	nd EX	PLOSION F	HAZARD I	DATA			
Flash Point (Clo	sed Cup Method)				Flammable Limits	LEL	UEL	
				485°F		N/A	N/A	
Extinguishing Me			Foam, CO ₂ ,	Dry Chemica	l, Water Spray.			
Special Firefight	_							
Firefighters sh	ould wear full	emergen	cy equipment v	vith self-cont	ained breathing apparatus.			
Unusual Fire and	d Explosion Haza	rds						
			11		1.21. 4.4	.1		
				to prevent p	ressure build - up that may ruptu	ire the		
	mbustion prod V - REACT							
Stability	Unstable		Conditions to A	void				
Clabinty	Stable	X	Eveces 1	o over 1	poriods of time doors 1 41	•		
Incompatibility (Materials to Avoid		Uncontrolled		periods of time degrades the resignation	1.		
	emposition or Byp	•	Oncommoned		on Monoxide, Carbon Dioxide, N	Jitrogen Ovide A	.ldehvdes	
Hazardous	May Occur		Conditions to A		in monoride, Carbon Dioxide, I	Tarogon Oxido, A	idenyacs.	
Polymerization		X	Uncontrolled	reaction with	n amines.			

SECTION VI - HEALTH HAZARD DATA Route(s) of Entry: Inhalation? Skin? Ingestion? YES YES YES Irritation on skin. Signs and Symptoms of Exposure Health Hazards (Acute and Chronic) ACUTE - Irritation on skin and dermatitis. CHRONIC - Repeated overexposure will cause severe skin irritation, dermatitis and sensitization. Sensitized persons may experience rapid irritation of skin upon exposure. Carcinogenicity: NTP? IARC Monographs? OSHA Regulated? NO NO NO Medical Conditions Generally Aggravated by Exposure Allergy, skin disorders. Emergency and First Aid Procedures EYES - Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary. SKIN - PROMPTLY wash with soap and water. DO NOT wash with solvents. Seek medical advice if irritation develops or persists. INHALATION - Move person to fresh air if effects occur. If needed, give oxygen or artificial respiration to improve breathing. Consult physician. INGESTION - Get medical attention immediately. Never give liquids to an unconscious or convulsing person. Note: Persons with lung disorders or who are sensitized should not use this product. SECTION VII - CONTROL MEASURES Respiratory Protection (Specify Type) Provide adequate exhaust ventilation; use a NIOSH - approved respirator if PELS/TLVS are exceeded. Ventilation Local Exhaust If needed. Special None known. Mechanical Adequate exhaust ventilation must exhaust AWAY from applicator. Protective Gloves Natural or Neoprene gloves. Eye ProtectionSplash goggles or face shield. Other Protective Clothing or Equipment Use rubber apron, face shield and appropriate clothing to prevent contact with skin. Launder contaminated clothing before reuse. Discard contaminated leather shoes and canvas sneakers. Protective skin creams help cleaning with soap and water, gloves must be still be worn. An eye wash station or an adequate supply of clean water must be available at work area. Work/Hygienic Practices Enforce careful handling to prevent splashing. Wash thoroughly after use. SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE Steps to be Taken in Case Material is Released or Spilled Wear protective equipment to prevent exposure. Stop spill and dike to prevent spreading. Cover spill with absorbent materials and collect into containers. Clean contaminated area with detergent and water or a steam cleaner for best results. Waste Disposal Method Dispose in accordance with Federal, State, and Local requirements. Precautions to be Taken in Handling and Storing Keep containers tightly closed when not in use. Other Precautions NONE KNOWN. Prepared by Murty Bhamidipati - Chemist "The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subjec **PLEASE** to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHEF EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED NOTE HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his

particular use."



95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838

95 GOOdwill Street,	Lastilal	1014, 01., 0010	000)) 526-9636 Date Pi	HAZARD RATING	Health	1
SECTION I - IDENTI	FICATION	ON			0 = Least	Flammability	1
IDENTITY (As Used on Label)		Shop Floo	r Resin	: all colors	1 = Siignt 2 = Moderate	Reactivity	0
COMMON NAME		Pigmented Epo	xy Resin		ა = нıgn 4 = Extreme	Personal Protection	G
SECTION II - PROD	UCT CC			CAS.#	OSHA PEL	ACGIH TLV	
Diglycidyl Ether Bisphenol	A Epoxy	Resin		25068-38-6	N.E. ¹	N.E.	
Aliphatic Glycidyl Ether Di				68609-97-2	N.E.	N.E.	
Titanium Dioxide				13463-67-7	15mg/m^3	10mg/m ³	
Calcium Carbonate				1317-65-3	15mg/m^3	10mg/m ³	
Aluminum Silicate				1332-58-7	15mg/m^3	2mg/m ³	
Barium Sulfate ²				7727-43-7	10mg/m^3	10mg/m ³	
Inorganic Iron Oxides				1309-37-1	15mg/m^3	10mg/m^3	
Chromium(III) Oxide Gree	n(trivalent	chromium)*3		1308-38-9	1.0mg/m^3	0.5mg/m^3	
¹ Not Established							
² Barium Sulfate is listed in	SARA III,	Part 372, Sectio	n 313.				
*3This product contains onl				ble hexavalent chromium.	Trivalent chromium	is not	
				and Light Green pigment			
T.S.C.A. Status - O.K. on a	ll above co	omponents.					
FOR SPILL, LEAK, FIR	RE, OR A	CCIDENT, CAI	LL CHEM	TREC 24-HOUR EMER	RGENCY NUMBER	1-800-424-930	00
SECTION III - PHYS	ICAL/C	HEMICAL C	HARAC	TERISTICS		-	
Boiling Point		-	N/A	Specific Gravity (H2O = 1	1)	1.2	
Vapor Pressure (mm Hg)		-	N/A	Melting Point		N/A	
Vapor Density (AIR = 1)			N/A	Evaporation rate (Butyl A	cetate = 1)	>1	
Volatile Organic Compounds		ļ	0 g/L				
Solubility in Water	Not Sol	uble					
Appearance and Odor		ted viscous liquio					
SECTION IV - FIRE	and EX	PLOSION H	AZARD	DATA			
Flash Point (Closed Cup Metho	d)			Flammable Limits	LEL	UEL	
		ļ	485°F		N/A	N/A	
Extinguishing Media		Water spray, Fo	oam, CO ₂ ,	Dry Chemicals.			
Special Firefighting Procedures							
Wear full protective equipn	nent includ	ling self - contair	ned breathi	ng apparatus.			
Unusual Fire and Explosion Ha	zards						
Cool storage containers wit	h water sn	ray to prevent pr	essure buil	d-up that may runture the	containers		
Combustion products may l	_	is provent pro		r and may raptare the			
SECTION V - REAC		DATA					
Stability Unstable	<u> </u>	Conditions to Avo	oid				
Stable	X	Evens heating	over long	periods of time degrades the	he resin		
Incompatibility (Materials to Avo		Uncontrolled re			ne resin.		
Hazardous Decomposition or B	-			Carbon monoxide, Carbon	dioxide Nitrogen ov	ides Aldehydes	
Hazardous May Occur		Conditions to Avo		Caroon monoxide, Caroon	aloxide, Millogell Ox	ides, muchyues.	
Polymerization Will Not Occur	· X	Uncontrolled re	eaction wit	h amines.			
		5.11controlled IV					

SECTION VI - HEALTH HAZARD DATA Route(s) of Entry: Inhalation? Skin? Ingestion? YES YES YES Irritation of skin. Signs and Symptoms of Exposure Health Hazards (Acute and Chronic) ACUTE - Irritation of skin and dermatitis. CHRONIC - Repeated overexposure will cause severe skin irritation, dermatitis and sensitization. Sensitized persons may experience rapid irritation of skin upon exposure. Persons with lung disorders or who are sensitized should not use this product. NTP? OSHA Regulated? Carcinogenicity: IARC Monographs? NO NO NO Medical Conditions Generally Aggravated by Exposure Allergy, skin disorders Emergency and First Aid Procedures EYES - Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary. SKIN - PROMPTLY wash with soap and water. DO NOT wash with solvents. Seek medical advice if irritation develops or persists. INHALATION - Move person to fresh air if effects occur. If needed, give oxygen or artificial respiration to improve breathing. Consult physician. INGESTION - Get medical attention immediately. Never give liquids to an unconscious or convulsing person. SECTION VII - CONTROL MEASURES Respiratory Protection (Specify Type) Provide adequate exhaust ventilation; use a NIOSH - approved respirator if PELS/TLVS are exceeded. Ventilation Local Exhaust If needed. Special None known. Mechanical Adequate exhaust ventilation must exhaust AWAY from applicator. Protective Gloves Eye Protection Splash goggles or face shield. Natural rubber or Neoprene. Other Protective Clothing or Equipment Use rubber apron, face shield and appropriate clothing to prevent contact with skin. Launder contaminated clothing before reuse. Discard contaminated leather shoes and canvas sneakers. Protective skin creams help cleaning with soap and water, gloves must still be worn. An eye wash station or an adequate supply of clean water must be available at work area. Work/Hygienic Practices Enforce careful handling to prevent splashing. Wash thoroughly after use. SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE Steps to be Taken in Case Material is Released or Spilled Wear protective equipment to prevent exposure. Stop spill and dike to prevent spreading. Cover spill with absorbent materials and collect into containers. Clean contaminated area with detergent and water or a steam cleaner for best results. Waste Disposal Method Dispose in accordance with Federal, State and Local requirements. Precautions to be Taken in Handling and Storing Keep containers tightly closed when not in use. Other Precautions NONE KNOWN. Prepared by Murty Bhamidipati - Chemist **PLEASE** "The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH

RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY

FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use."

NOTE



Material Safety Data Sheet Date Prepared 06/13/2014

95 Goodwin Street Fast Hartford CT 06108 (860) 528-9838

95 600	owin Street, c	asi nari	101u, C1., 00	100 (001	D) 320-9030 Date Pre	epared	06/13/2014		
SECTION	LIDENTIE	IC ATIC	NAI .				HAZARD RATING	Health	3
SECTION	I - IDENTIF	ICATIC		Orok 290	Flour, 1/4 NJ, 1/2 N		0 = Least	Flammability	0
IDENTITY (As U	Jsed on Label)		Q28 all col				1 = Slight 2 = Moderate	Reactivity	0
COMMON NAM	-		Natural Sand				o = підті 4 = Extreme	Personal Protection	Е
	II - PRODU	CT CO			CAS.#		OSHA PEL	ACGIH TLV	
Crystalline Sil			•		14808-60-7		10mg/m^3	0.05 mg/m^3	
Crystalline Br	iica (Quartz)				14000-00-7		%Si02+2	0.03 mg m	
Titanium Diox	xide Pigment				13463-67-7		15mg/m^3	10mg/m ³	
Iron Oxide Pig					1309-37-1		$\frac{15\mathrm{mg/m}^3}{15\mathrm{mg/m}^3}$	10mg/m ³	
Kaolin Clay	Sment				1332-58-7		$\frac{15\text{mg/m}^3}{15\text{mg/m}^3}$	2mg/m ³	
-	xide Green (triv	alent chro	omium) ²		1308-38-9		1.0mg/m ³	0.5mg/m^3	
				lored Ouar	tz material for sandblasti	ing.	1.0Hg/H	0.5111g/111	
					breathe dust. May cause d	_	niury Long te	rm	
					alt in a delayed, disabling, a				
					cupational sources can caus				
•					le exposure will not result i				
					eachable hexavalent chrom				
					r SARA III, 40CFR Part 37				
	ica (quartz) is r					, <u> </u>			
	(4)								
California Pro	position 65: Cr	ystalline	silica (airborne	e particles o	f respirable size) is classifie	ed as a substa	nce known to	the	
State of Califo	ornia to be a car	cinogen.							
T.S.C.A. Stat	tus - O.K.								
FOR SPILL	., LEAK, FIRI	E, OR AC	CCIDENT, CA	ALL CHEN	ITREC 24-HOUR EMER	RGENCY N	JMBER 1-8	00-424-9300	
SECTION	III - PHYSIC	CAL/CH	HEMICAL (CHARAC	TERISTICS				
Boiling Point				4046°F	Specific Gravity (H2O = 1	1)		2.65	
Vapor Pressure	(mm Hg)			N/A	Melting Point			2930°F	
Vapor Density (A	AIR = 1)			N/A	Evaporation rate (Butyl A	cetate = 1)		N/A	
Volatile Organic	Compounds			0 g/L					
Solubility in Wat	ter	INSOLU	BLE						
Appearance and	d Odor	Naturall	y rounded sand	d. Various s	izes. No odor.				
SECTION	IV - FIRE a	nd EXF	PLOSION I	HAZARD	DATA				
Flash Point (Clo	sed Cup Method)			Flammable Limits		LEL	UEL	
				N/A			N/A	N/A	
Extinguishing M		N/A							
Special Firefight	ting Procedures								
Compatible w	rith all extinguis	shing med	lia. Use any m	edia approp	riate for the surrounding fir	re.			
	ica (quartz) is r		able, combust	ible or explo	osive.				
Unusual Fire an	nd Explosion Haza	ards							
N/A									
SECTION	V - REACT	IVITY [
Stability	Unstable		Conditions to A	void					
	Stable	X	NONE KNO	WN.					
Incompatibility (Materials to Avoid	d)	Hydrofluoric	Acid and po	owerful oxidizing agents.				
Hazardous Dec	omposition or By	oroducts		NONE KI	NOWN.				
Hazardous	May Occur		Conditions to A	void					
Polymerization	Will Not Occur	X	NONE KNO	WN.					

SECTION VI - HEALTH HAZARD DATA Inhalation? Skin? Ingestion? Route(s) of Entry: NO Yes NO Shortness of breath and reduced pulmonary function. Signs and Symptoms of Exposure Health Hazards (Acute and Chronic) ACUTE - NO SYMPTOMS. CHRONIC - excessive inhalation of dust may result in respiratory disease such as silicosis, pulmonary fibrosis, etc. The IARC has evaluated in Vol.42 (monographs) that there is "sufficient evidence for the Carcinogenicity of crystalline silica dust to experimental animal" and "limited evidence" with respect to humans. Carcinogenicity: IARC Monographs? OSHA Regulated? Yes (Respirable Silica) YES*Level 2A Grouping NO

Medical Conditions Generally Aggravated by Exposure

Lung disorders and persons subject to eye irritation.

Emergency and First Aid Procedures

EYES - Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary.

SKIN - PROMPTLY wash with soap and water. DO NOT wash with solvents. Seek medical advice if irritation develops or persists.

INHALATION - Move person to fresh area if effects occur. If needed, give oxygen or artificial respiration to improve breathing. Consult physician.

INGESTION - Expected to be slightly toxic by ingestion. If swallowed, induce vomiting immediately as directed by a physcian.

Get medical attention immediately. Never give liquids to an unconscious or convulsing person.

OTHER HEALTH EFFECTS - Medical conditions which may be aggravated by exposure to this product include, conjunctivitis of the eye, dermatitis of the skin, asthma and respiratory diseases. Sensitization may occur by skin contact.

NOTE persons with lung disorders or who are sensitized should not use this product.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type): When possible reduce airborne exposure level. Use sufficient local exhaust ventilation to reduce

crystalline silica level below OSHA PEL. Use only NIOSH approved respirator as outlined in 42 CFR 84 and 29 CFR 1910.134

Ventilation	Local Exhaust	If needed.	Special	None Known.
	Mechanical	Adequate exhaust ventilation	must exhaust .	AWAY from applicator and near by people.
Protective Glove	s	Natural rubber or Neoprene.	Eye Protection	Splash proof goggles or face shield.

Other Protective Clothing or Equipment

Use adequate ventilation and dust collection. To minimize exposure, wear a respirator approved for silica dust when using, handling, storing or disposing of this product. Refer to the most recent standards of ANSI (Z88.2), OSHA (29 CFR 1910.134), MHSA (30 CFR Parts 56 and 57), and NIOSH Respirator Decision Logic. Maintain, clean and fit test respirators in accordance with OSHA regulations.

Work/Hygienic Practices Avoid creating and breathing dust.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled

Do not breathe dust. Do not rely on your sight to determine if dust is in the air. Silica may be in the air without a visible dust cloud. Avoid creation of respirable dust

Waste Disposal Method

Dispose waste material in a sanitary land fill or as regulated by local, state and federal regulations.

Precautions to be Taken in Handling and Storing

Avoid creation of respirable dust. Take precaution against bag breakage.

Other Precautions None Known.

Prepared by Murty Bhamidipati - Chemist

PLEASE NOTE

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					•	HAZARD	RATING	Health	3
SECTION I	- IDENTIFIC	ATION				0 = Leas		Flammability	1
IDENTITY (As Us	ed on Label)	Armo	or Top, Ar	mor Top	HH Resin	1 = Sligh 2 = Mod 3 = нідп	erate	Reactivity	0
COMMON NAME			Blocked Cyclo	Blocked Cycloaliphatic Diamine			eme	Personal Protection	G
SECTION I	- PRODUC	T COM	PONENTS		CAS.#	os	HA PEL	ACGIH TLV	
Blocked Cycloa	liphatic Diamine	e			Proprietary ²]	N.E. ¹	N.E.	
¹ None Establish	ied								
² The manufactu	rer of the compo	nent states	that they will j	provide additio	onal information to a h	ealth professio	nal in the		
event of a me	dical emergency.								
	- O.K. on all ab								
FOR SPILL,	LEAK, FIRE, (OR ACCI	DENT, CALL	CHEMTREO	C 24-HOUR EMERG	ENCY NUMI	BER 1-80	0-424-9300	
SECTION I	II - PHYSIC <i>i</i>	AL/CHE	MICAL CHA	ARACTERI	STICS				
Boiling Point				N.E.	Specific Gravity (H2O =	1)		0.8-0.9	
Vapor Pressure (n	nm Hg)			N.E.	Melting Point			N/A	
Vapor Density (Al	R = 1)			N/A	Evaporation rate (Butyl A	cetate = 1)		N/A	
Volatile Organic C	ompounds = Nil								
Solubility in Water	•	Minimal,	Reacts slowly	with water					
Appearance and (Odor	Pale yello	ow colored liqu	id. Amine od	or.				
SECTION I	V - FIRE and	EXPL	OSION HAZ	ARD DAT	Α				
Flash Point (Close	ed Cup Method)				Flammable Limits	LEL		UEL	
				171°F		N/A		N/A	
Extinguishing Med	lia		Dry chemicals,	carbon dioxid	le, foam, water spray.				
Special Firefightin	g Procedures								
Firefighters sho	uld wear full em	ergency ed	quipment with s	self-contained	breathing apparatus. Ir	ritating gases	may be ger	erated	
by fire.									
	Explosion Hazards ut all rags or other	-		th this product ar	nd/or solvents, may sponta	neously combus	t if improperl	y discarded. Prior	to
SECTION \	- REACTIV	ITY DA	TA						
Stability	Unstable		Conditions to Avo	oid					
	Stable	X	Keep containe	r closed when	not in use, protect from	n moisture.			
Incompatibility (M	aterials to Avoid)		Strong oxidize	ers, alkaline ma	aterials and acids. Avoi	id moisture pri	or to use		
Hazardous Decom	position or Byprodu	ucts		By Fire- carbo	on monoxide, carbon di	ioxide, aldehyd	les, nitroge	en.	
Hazardous	May Occur		Conditions to Avo	oid	Decomposition produ	cts from hydro	lisis in wa	ter	
Polymerization	Will Not Occur	X			isophorone diamine a	nd isobutyrald	ehyde		

SECTION V	VI - HEALTH HA	AZARD DATA		
Route(s) of Entry:		Inhalation? YES	Skin? YES	Ingestion? YES
Signs and Sympt	oms of Exposure	Irritation on skin.	125	120
Health Hazards (A	Acute and Chronic)	Note: Pe	rsons with lung disorders or who a	re sensitized should not use this product.
ACUTE - Irrita	tion on skin and dern	natitis. Corrosive		
CHRONIC - R	Repeated overexposure	e will cause severe skin irritat	ion, dermatitis and sensitization	on.
,	Sensitized persons ma	ay experience rapid irritation	of skin upon exposure.	
Carcinogenicity:		NTP?	IARC Monographs?	OSHA Regulated?
		NO	NO	NO
Medical Condition	ns Generally Aggravated	by Exposure		
		Allergy, skin disorders	3.	
Emergency and F	First Aid Procedures			
EYES - CORP	ROSIVE: Flush with	water, holding lids open for 1	5 minutes or more. Call phys	ician for advice if necessary.
SKIN - CORF	ROSIVE; PROMPTL	Y wash with soap and water.	DO NOT wash with solvent	s. Seek medical advice
	tion develops or persis	•		
			ed, give oxygen or artificial re	ecniration
	•	ing. Consult physician.	ed, give oxygen of artificial re	spiration
INCECTION	-			1-1
INGESTION -	Get medical attention	i immediately. Never give iiq	uids to an unconscious or con	vuising person.
SECTION	/II CONTROL	MEACURES		
	vii - CONTROL ction (Specify Type)		act vantilation. Hea a MIOSU	approved respirator as outlined
		-		approved respirator as outlined
		4 effective for solvent and diis		
Ventilation	Local Exhaust	Use in confined areas.		ion proof fans when needed.
	Mechanical	Adequate exhaust vent	ilation must exhaust AWAY f	
Protective Gloves	114	tural or Neoprene gloves.	Eye Protection Splash	goggles or face shield.
Other Protective (Clothing or Equipment			
Use rubber apre	on, face shield and ap	propriate clothing to prevent	contact with skin. Launder co	ontaminated
clothing before	e reuse. Protective sk	in creams elp cleaning with s	oap and water, gloves must be	e still be worn.
An eye wash s	tation or an adequate	supply of clean water must be	e available at work area.	
-	_			
Work/Hygienic Pi	ractices En	force careful handling to prev	ent splashing. Wash thorough	alv after use
		IONS FOR SAFE HAN	1 0	ny utor use.
			IDENIO AND GOL	
	n in Case Material is Rele		l 4 C	
-			ke to prevent spreading. Cove	•
		containers. Clean contamina	ted area with detergent and w	ater or a
steam cleaner	for best results.			
Waste Disposal N	Method			
Dispose in acco	ordance with Federal,	State, and Local requirement	s.	
Precautions to be	Taken in Handling and	Storing		
Keep container	s tightly closed when	not in use.		
Other Precautions	s NC	ONE KNOWN.		
Prepared by M	urty Bhamidipati -	Chemist		
PLEASE NOTE	the conditions of handling RESPECT TO THE COM	and use, or misuse, are beyond our c PLETENESS OR CONTINUING ACCU	ontrol, Dur-A-Flex, Inc. MAKES NO W	ds, and government regulations are subject to change and 'ARRANTY, EITHER EXPRESS OR IMPLIED, WITH TAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR ar use."



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						HAZARD RATING	Health	2
SECTION	I - IDENTIFI	ICATION	0 = Least	Flammability	2			
IDENTITY (As U	sed on Label)	Aı	mor T	Top Harde	ener	1 = Slight 2 = Moderate	Reactivity	1
COMMON NAMI	E	Alip	hatic Poly	yisocyanate Res	sin Solution	3 = Hign 4 = Extreme	Personal Protection	G
SECTION	II - PRODU	CT COMP	ONEN	TS	CAS.#	OSHA PEL	ACGIH TLV	
Homopolymer	of HDI				28182-81-2	N.E. ¹	N.E.	
	e Diisocyanate	(HDI) ²			822-06-0	N.E.	0.005ppm	
Dimethyl Ester	•	`			Proprietary	N.E.	N.E.	
Methyl-1,3-dio	oxolan-2-one				108-32-7	N.E.	N.E.	
¹ not established	1							
2	-	loss than 0.5	0/ basad a	on rasin salids s	ot the time of manufactur	ro		
Residual mon	omer content is	less than 0.5	% based (on resin solids a	at the time of manufactur	re.		
T.S.C.A. Statu	s - O.K. on all a	above compor	nents.					
FOR SPILL	, LEAK, FIRE	E, OR ACCI	DENT, C	ALL CHEM	TREC 24-HOUR EME	ERGENCY NUMBER	1-800-424-9300)
SECTION	III - PHYSIC	CAL/CHEN	IICAL (CHARACT	ERISTICS			
Boiling Point		DPM	ΙA	392°F	Specific Gravity (H2O = 1	1)	1.11	
Vapor Pressure	(mm Hg)	HDI	-	4.7 x 10 ⁻⁷	Melting Point		N/A	
Vapor Density (A	JR = 1)	DPM	ÍΑ	6.6	Evaporation rate (Butyl A	cetate = 1)	0.015	
Volatile Organic	Compounds (VO	C) = Nil						
Solubility in Wate	er	NOT SOLU	BLE.					
Appearance and	Odor	Clear, mild e	ester-like o	odor.				
SECTION	IV - FIRE ar	nd EXPLC	SION I	HAZARD D	ATA			
Flash Point (Clos	sed Cup Method)				Flammable Limits	LEL	UEL	
				110°F	N/A	4.22%	12.87%	
Extinguishing Me	edia	Dry	Chemica	ls, CO ₂ , Univer	rsal Type Foam.			
Special Firefighti	ng Procedures	-						
Wear full prote	ective equipmen	nt including se	elf-contair	ned breathing a	pparatus. During a fire, I	HDI vapors and other irri	tating,	
highly toxic ga	ses may be gen	erated by ther	mal deco	mposition or co	ombustion. Closed conta	iner may explode when o	exposed	
to extreme hea	t or burst when	contaminated	l with wa	ter (CO2 evolv	red).		_	
Unusual Fire and		ds Rags or w	aste soake	ed with this produ		ntaneously combust if impro	operly discarded. Pr	ior to
SECTION	V - REACTI	VITY DAT	Ά					
Stability	Unstable		ditions to A	void				
	Stable	X Keep	containers o	closed when not in	ise. Avoid static discharge. Fla	ammable vapors released at elev	rated temps	
Incompatibility (N	I //aterials to Avoid)				orus-containing materials	-	шей стро.	
	mposition or Bypr		- OAIGIZC		d carbon monoxide and/			
	May Occur		ditions to A		a taroon monorate and/	or survein dioxide.		
Hazardous Polymerization	Will Not Occur		act with m	noisture or other :	naterials which react with is	socyanates or temperatures	above 400F	
in the second se		I COIII	ar willill	constant on other I	macriais willen react will b	socyanacos or temperatures i	AUUTO TUUI.	

SECTION VI - HEALT	H HAZARD DATA		
Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	YES	Yes
Signs and Symptoms of Exposure		ess of skin and eyes. B	reathing difficulty.
Health Hazards (Acute and Chron	ic)		
ACUTE - prolonged skin expo	osure can cause irritation, de	ermatitis. Inhalation of	vapors can cause nasal
and respiratory irri	tation, dizziness, headache, i	nausea.	
CHRONIC - prolonged or rep	eated exposure to vapors ma	ay cause lung damage a	s wel l as increased sensitivity.
Carcinogenicity:	NTP?	IARC Monograph	s? OSHA Regulated?
	NO	NO	NO
Medical Conditions Generally Agg	ravated by Exposure		
Asthma and other respiratory disc Emergency and First Aid Procedu		nyperreactivity), skin allerg	gies, eczema.
EYES - Flush with water, ho	ding lids open for 15 minut	es or more. Call physic	ian for advice if necessary.
Skin - remove contaminate clo	othing. Clean affected area	with mild soap and water	er. If irritation or redness
develops, seek medical atte	ention.		
INHALATION- move persor	away from source of expos	sure and into fresh air. 1	If person is not breathing,
give artificial respiration a	and seek medical attention in	nmediately. If breathing	g difficulty develops, give
oxygen and seek medical	attention immediately.		
NOTE PERSONS WIT	TH LUNG DISORDERS OF	R WHO ARE SENSITI	ZED SHOULD NOT USE THIS
PRODUCT.			
SECTION VII - CONTI	ROL MEASURES		
Respiratory Protection (Specify Ty	pe) Provide adequate	exhaust ventilation. Use	e a NIOSH approved respirator as outlined
in 42 CFR 84 and 29 CFR 19	10.134 effective for solvent	and diisocyanate vapor	S.
Ventilation Local Exhaust	Use in confined a		Explosion proof fans when needed.
Mechanical	Must be sufficient	to maintain area below	established TLV/PEL.
Protective Gloves Nec	oprene rubber gloves.	Eye Protection	Splash proof goggles.
Other Protective Clothing or Equip	ment	<u>.</u>	
Use other protective equipmen	nt such as rubber aprons and	l a face shield if danger	of splashing is possible.
Eye wash station or clear water	er must be readily available.	ENFORCE GOOD HY	YGIENE PRACTICES. No
smoking or open lights in wor			
supplied respirators in enclose	-	-	
Work/Hygienic Practices Lau	inder contaminated clothing	before use. Dispose co	ontaminated leather shoes
SECTION VIII - PREC			
Steps to be Taken in Case Materia	al is Released or Spilled		
Shut off and eliminate all igni	tion sources. Keep people a	way. Add sand, earth o	r other absorbent to spill
area. Ventilate confined space	es. Open windows and door	rs, minimize breathing v	vapors and skin contact. Keep
spill out of sewers by diking.	Observe precautions for vol-	atile, flammable vapors	from absorbed material.
Waste Disposal Method			
Incineration in accordance wit	h local, state, and federal re	gulations.	
Precautions to be Taken in Handli	ng and Storing Keer	containers tightly close	ed when not in use and away from excessive
heat and flame. DO NOT pre	ssurize, cut, weld, solder, dr	rill or grind the containe	rs.
Other Precautions Sto	re in an OSHA approved are	ea for flammable materi	als.
Prepared by Murty Bhamidipati	- Chemist		
the conditions of hand NOTE RESPECT TO THE C	dling and use, or misuse, are beyond	d our control, Dur-A-Flex, Inc. G ACCURACY OF THE INFOR	safety standards, and government regulations are subject to change and MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR to his particular use."



Date Prepared 6/13/2014 95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838 Health 0 **SECTION I - IDENTIFICATION** 0 = Least 0 Flammability 1 = Slight Armor Top Grit 2 = Moderate 0 IDENTITY (As Used on Label) Reactivity WHITE ALUMINUM OXIDE = Extreme G COMMON NAME Personal Protection **OSHA PEL SECTION II - PRODUCT COMPONENTS** CAS.# **ACGIH TLV** 10 mg/m^3 5 mg/m³ (resp) Aluminum Oxide 1344-28-1 Other Oxides (Total) (SiO2+Fe2O3+Na2O+MgO+Tio2)=1% T.S.C.A. Status - O.K. on above component. *FOR SPILL, LEAK, FIRE, OR ACCIDENT, CALL CHEMTREC 24-HOUR EMERGENCY NUMBER 1-800-424-9300* SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS Boiling Point Specific Gravity (H2O = 1) 3.95 N/A Vapor Pressure (mm Hg) Melting Point N/A 2070 Vapor Density (AIR = 1) N/A Evaporation rate (Butyl Acetate = 1) N/A Volatile Organic Compounds (VOC) = Nil Solubility in Water **INSOLUBLE** Appearance and Odor Granular, White, Odorless **SECTION IV - FIRE and EXPLOSION HAZARD DATA** Flash Point (Closed Cup Method) Flammable Limits LEL UEL N/A N/A N/A Extinguishing Media N/ASpecial Firefighting Procedures Compatible with all extinguishing media. Use any media appropriate for the surrounding fire. Aluminum Oxide is not flammable, combustible or explosive. Unusual Fire and Explosion Hazards None Known. **SECTION V - REACTIVITY DATA** Conditions to Avoid Unstable Stability Stable Incompatibility (Materials to Avoid) None known. Hazardous Decomposition or Byproducts None Known. Conditions to Avoid May Occur Hazardous Polymerization Will Not Occur

SECTION	N VI - HEALTH	HAZARD DATA			
Route(s) of E	ntry:	Inhalation? Yes	Skin? No	Ingestion? Eyes	
	mptoms of Exposure	Temporary Inhala	ation Discomfort.	•	
Health Hazard	ds (Acute and Chronic)				
ACUTE - N	one known other tha	n possible temporary d	iscomfort due to inhalation	of dust concentration.	
CHRONIC -	- Potential chronic re	espiratory distress/irrita	tion. Can aggravate pre-exi	sting lung conditions.	
Carcinogenici	ty:	NTP?	IARC Monographs?	OSHA Regulated?	
		NO	NO	NO	
Medical Cond	litions Generally Aggra	vated by Exposure			
_	IE: AAIIB	None Known.			
Emergency a	nd First Aid Procedures	3			
	l eyes apart and flusl dical attention.	n with clean water for 1	5 minutes. If irritation or re	edness develops and persists seek	
INILIAI ATI	ON For inhalation	discomfort move perso	n to frosh air		
INHALATI	ON - For innalation	discomfort move persor	n to fresh air.		
SECTION	VIII - CONTRO	OL MEASURES			
	rotection (Specify Type		exhaust ventilation. Use a l	NIOSH approved respirator as out	tlined
		•	nt and diisocyanate vapors.	11 1	
Ventilation	Local Exhaust	If necessary.	Special None k	nown	
	Mechanical	Adequate for dust	. Itolie I	MIOWII	
Protective Glo		^	<u> </u>	goggles, do not wear contact lens	OC.
	ive Clothing or Equipme		-, · · · · · · · · · · · · · · · · · · ·	goggies, do not wear contact iens	
NONE KN	OWAI				
NONE KN Work/Hygieni		c	Ć. 1		
,,,	11,016	unnecessary formation		ПОЕ	
SECTION	VIII - PRECA	UTIONS FOR SA	FE HANDLING AND	USE	
Steps to be T	aken in Case Material i	s Released or Spilled			
Non - Skid (Grit may be swept or	vacuumed for normal	disposal.		
Waste Dispos	sal Method				
Non - Skid	Grit is not a hazardo	us waste under U.S. Fe	ederal RCRA regulations.		
Precautions to	o be Taken in Handling	and Storing			
Same as giv	en in Section VII (ve	entilation, gloves, and g	goggles.)		
Other Precau	tions Dry po	wders can build static c	charges when subjected to fr	iction.	
Prepared by	Murty Bhamidipati - C	hemist			
				y standards, and government regulations ar	
PLEASE				x, Inc. MAKES NO WARRANTY, EITHER I OF THE INFORMATION CONTAINED HE	
NOTE	use."				