

1. Product and Company Identification				
Product Code:	СЕ-РВ (Н)			
Product Name:	Panel Bonder 3500 Hardener			
Company Name:	Crest Industries, Inc. 1337 King Road Trenton, MI 48183	<b>Phone Number:</b> (734)479-4141		
Web site address:	crestauto.com			
Emergency Contact:	Chemtel International Calls	(800)255-3924 (813)248-0585		
Stock Number(s):	CE-PB			

## 2. Hazards Identification

Skin Corrosion/Irritation, Category 1A-1C Serious Eye Damage/Eye Irritation, Category 1 Skin Sensitization, Category 1 Toxic To Reproduction, Category 1B



GHS Signal Word:	Danger
GHS Hazard Phrases:	H314 - Causes severe skin burns and eye damage.
	H317 - May cause an allergic skin reaction.
	H318 - Causes serious eye damage.
	H360 - May damage fertility or the unborn child .
GHS Precaution Phrases:	P201 - Obtain special instructions before use.
	P202 - Do not handle until all safety precautions have been read and understood.
	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264 - Wash hands thoroughly after handling.
	P272 - Contaminated work clothing should not be allowed out of the workplace.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P281 - Use personal protective equipment as required.
GHS Response Phrases:	P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated
	clothing. Rinse skin with water/shower.
	P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
	contact lenses, if present and easy to do. Continue rinsing.
	P310 - Immediately call a POISON CENTER or doctor/physician.
	P333+313 - If skin irritation or rash occurs, get medical advice/attention.
	P363 - Wash contaminated clothing before reuse.
GHS Storage and Disposal	P405 - Store locked up.
Phrases:	P501 - Dispose of contents/container to an approved treatment/storage/disposal facility in accordance with local/regional/national and international regulations.



### **SAFETY DATA SHEET** Panel Bonder 3500 Hardener

Potential Health Effects (Acute and Chronic):	
Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
Skin Contact:	May be harmful if absorbed through the skin. Causes skin irritation.
Eye Contact:	Causes eye irritation.
Ingestion:	May be harmful if swallowed.

# 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
60676-86-0	Silica, Fused	12.00 - 15.00 %
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	5.000 - 10.00 %
15520-10-2	1,5-Pentanediamine, 2-methyl-	1.500 - 2.000 %
14464-46-1	Cristobalite	0.130 %
NA	Aromatic Amine	1.000 - 2.000 %
71074-89-0	bis[(dimethylamino)methyl]phenol	1.000 - 2.000 %
4246-51-9	3,3'-Oxybis(ethyleneoxy)bis(propylamine)	12.00 - 15.00 %

4. First Aid Measures				
Emergency and First Aid Procedures:				
In Case of Inhalation:	If breathed in, move Consult a physiciar	e person into fresh air. If not breathing, give artificial respiration. າ.		
In Case of Skin Contact:	Wash off with soap	and plenty of water. Consult a physician.		
In Case of Eye Contact:	Rinse thoroughly w	ith plenty of water for at least 15 minutes and consult a physician.		
In Case of Ingestion:	Never give anything Consult a physiciar	g by mouth to an unconscious person. Rinse mouth with water. n.		
Note to Physician:	Consult a physician dangerous area.	n. Show this safety data sheet to the doctor in attendance. Move out of		
	5. Fire	Fighting Measures		
Flash Pt:	93.4 C (200 F)			
Explosive Limits:	I EL·			

. . . . . .

Flash Pt:	93.4 C (200 F)		
Explosive Limits:	LEL:	UEL:	
Autoignition Pt:	NA		
Suitable Extinguishing Media	a:Use water spray, dry chemical, o	carbon dioxide, or alcohol-resistant foam.	
Fire Fighting Instructions:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.		
Flammable Properties and			
Hazards:			
Hazardous Combustion			
Products:			



#### **SAFETY DATA SHEET** Panel Bonder 3500 Hardener

		6. Accider	ntal Release Meas	6. Accidental Release Measures							
Steps To Be Material Is Re Spilled:	Taken In Case eleased Or	Personal precautions. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in									
			ntainers for disposal.	6							
Handling:	Γο Be Taken in Γο Be Taken in	Avoid contact with s Normal measures for Keep container tight	void contact with skin and eyes. Avoid inhalation of vapor or mist. ormal measures for preventive fire protection. eep container tightly closed in a dry and well-ventilated place. Containers which are bened must be carefully resealed and kept upright to prevent leakage.								
	8. Exposure Controls/Personal Protection										
CAS#	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits						
60676-86-0	Silica, Fused		PEL: 80 mg/m3/(%SiO2)	TLV: 0.1 mg/m3 (R)							
90-72-2	2,4,6-Tris(Dimethy	laminomethyl)Phenol									
15520-10-2	1,5-Pentanediamir	ne, 2-methyl-									
14464-46-1	Cristobalite		PEL: 4412 ppm/(%SiO2+5)	TLV: 0.05 mg/m3 (R)							
NA	Aromatic Amine										
71074-89-0	bis[(dimethylamind	o)methyl]phenol									
4246-51-9	3,3'-Oxybis(ethyle e)	neoxy)bis(propylamin									
Respiratory Equipment (Specify Type):		A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.									
Eye Protectio	on:	Face shield and safety glasses.									
Protective Gloves:		Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.									
Other Protect	tive Clothing:	Wear appropriate pr	otective clothing to prever	it skin exposure.							
Engineering Controls (Ventilation etc.):		Use adequate generative the permissible expo	ral or local exhaust ventila osure limits.	tion to keep airborne cor	ncentrations below						
Work/Hygieni Practices:	ic/Maintenance	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.									



### **SAFETY DATA SHEET** Panel Bonder 3500 Hardener

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	9. Physical and Chemical Properties					
Physical States:	[](	Gas	[ X ] Liquid	[	] Solid	
Appearance and Odor:	Tan.					
	Fain	t. amine	-like.			
pH:						
Melting Point:		0 C (32				
Boiling Point:		2 C (576	,			
Flash Pt:	93.4	C (200	F)			
Evaporation Rate:						
Flammability (solid, gas):						
Explosive Limits:	LEL	:			UEL:	
Vapor Pressure (vs. Air or mm Hg):						
Vapor Density (vs. Air = 1): Specific Gravity (Water = 1):						
Density:	1.1	3 G/CM	3			
Solubility in Water:						
Octanol/Water Partition						
Coefficient:						
Autoignition Pt:	NA					
Decomposition Temperature:	: NA					
Viscosity:						
		10	. Stabilit	y ai	nd Read	ctivity
Stability:	Unst	table [	] Stable	[X]		
Conditions To Avoid - Instability:	No c	lata avai	ilable.			
Incompatibility - Materials To Avoid:	Stro	ng oxidiz	zing agents,	acide	s, Amines,	Bases.
Hazardous Decomposition or Byproducts:	r form	ed unde	er fire conditi	ons.	Nature of c	decomposition products unknown.
Possibility of Hazardous Reactions:	Will	occur [	] Will no	ot oc	cur[X]	
Conditions To Avoid - Hazardous Reactions:						



# **11. Toxicological Information**

Toxicological Information:						
Irritation or Corrosion:	No data available.	No data available.				
Carcinogenicity/Other Information:	Carcinogenicity. IARC: No component of this product identified as probable, possible or co ACGIH: No component of this product identified as a carcinogen or potentia NTP: No component of this product identified as a known or anticipated OSHA: No component of this product identified as a carcinogen or potentia	onfirmed hum ct present at al carcinogen present at lev carcinogen b ct present at l	han carcinog levels great by ACGIH. vels greater y NTP. levels greate	en by IARC. er than or eq than or equa	ual to 0.1% is I to 0.1% is	
CAS # Hazardous Cor	nponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
60676-86-0 Silica, Fused		n.a.	n.a.	n.a.	n.a.	
90-72-2 2,4,6-Tris(Dime	thylaminomethyl)Phenol	n.a.	n.a.	n.a.	n.a.	
15520-10-2 1,5-Pentanedia	nine, 2-methyl-	n.a.	n.a.	n.a.	n.a.	
14464-46-1 Cristobalite		Known	2A	A2	n.a.	
NA Aromatic Amine		n.a.	n.a.	n.a.	n.a.	
71074-89-0 bis[(dimethylam	ino)methyl]phenol	n.a.	n.a.	n.a.	n.a.	
4246-51-9 3,3'-Oxybis(ethy	/leneoxy)bis(propylamine)	n.a.	n.a.	n.a.	n.a.	
	12. Ecological Info	rmation				
General Ecological Information:	Toxicity: no data available. PBT and vPvB assessment: no data available. Other adverse effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects. No data available.					
Persistence and Degradability:	Biodegradability: Result: 2 % -Accor product is not readily biodegradable.	odegradability: Result: 2 % -According to the results of tests of biodegradability this				
Bioaccumulative Potential:	No data available.					
Mobility in Soil:	No data available.					
	13. Disposal Consid	derations	5			
Waste Disposal Method:	as a hazardous waste. Contact a lice of this material.					
	Contaminated packaging. Dispose of as unused product.					
14. Transport Information						

<u>eres</u> t°			Y DATA SHE		Page:	
		Panel Bond	ler 3500 Hard	lener	Revision: 03/03/2014	
	SPORT (US DOT	):				
DOT Prop	per Shipping Na	me: Limited Quantity.				
DOT Haza UN/NA N	ard Class:	None				
	umber: SPORT (Canadia					
	ping Name:					
UN Numb		None				
Hazard Cl			TDG Class	sification:		
		•				
IMDG/IM UN Num	O Shipping Nam	e: Corrosive liquid, basic, 3267	organic, n.o.s. Packing G	Froup:	Ш	
Hazard C		0201	r dening e	noup.		
			IMDG MF	AG Number:		
IMDG EN	-	۸).				
	PORT (ICAO/IAT)	•	organic nos			
UN Numb	••••	3267	Packing G	roup:	Ш	
Hazard C	lass:					
		15. Regulato	ry Informatio	on		
EPA SARA (S	uperfund Amendn	nents and Reauthorization Act	of 1986) Lists			
CAS#		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
60676-86-0	Silica, Fused		No	No	No	
90-72-2		nylaminomethyl)Phenol	No	No	No	
15520-10-2 14464-46-1	1,5-Pentanediam Cristobalite	iine, z-meinyi-	No	No	No	
NA	Aromatic Amine		No No	No No	No	
71074-89-0	bis[(dimethylamir	aa)methyllabenal	No	No	No	
4246-51-9		eneoxy)bis(propylamine)	No	No	No	
		<i>, , , ,</i>			NO	
	meets the EPA gories' defined		nediate) Health Ha elayed) Health Ha			
	le III Sections	[] Yes [X] No Fire Hazar	• •			
311/312 as in	dicated:	•• ••	elease of Pressure	e Hazard		
		[] Yes [X] No Reactive H	lazard			
CAS #		ponents (Chemical Name)	Other US EPA o			
60676-86-0	Silica, Fused			No; CWA NPDES:	No; TSCA: Yes - AC, Title 8: No; MA	
			•		b; NC TAP: No; NJ EHS:	
			Yes - 1656; NY		ISL: No; SC TAP: No; WI	
00 70 0	0.4.C. Tria (Dire ath	n de mine em ethad) Dhe neol	Air: No			
90-72-2	2,4,6-1 ris(Dimetr	nylaminomethyl)Phenol		No; CWA NPDES: ROP.65: No; CA TA	AC, Title 8: No; MA	
			Oil/HazMat: No;	MI CMR, Part 5: No	; NC TAP: No; NJ EHS:	
16600 40 0	1 5 Denter - P	sing 2 mothed			SC TAP: No; WI Air: No	
15520-10-2	1,5-Pentanediam	iine, ∠-metnyi-		No; CWA NPDES: ROP.65: No; CA TA	No; TSCA: Yes - AC, Title 8: No; MA	
			Oil/HazMat: No;	MI CMR, Part 5: No	; NC TAP: No; NJ EHS:	
44404 40 4					SC TAP: No; WI Air: No	
14464-46-1	Cristobalite		CAA HAP,ODC:	No; CWA NPDES: ROP.65: No; CA T/	INO; ISCA: YES -	

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<b>GREST</b> ®	SAFE	TY DATA SHEET	Page: 7
	Panel Bor	nder 3500 Hardener Revis	sion: 03/03/2014
NA	Aromatic Amine	Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: Yes - 1657; NY Part 597: No; PA HSL: Yes - 1 WI Air: No	; SC TAP: No;
NA	Alomatic Amine	CAA HAP,ODC: No; CWA NPDES: No; TSCA PROP.65: No; CA TAC, Title 8: No; MA Oil/Ha CMR, Part 5: No; NC TAP: No; NJ EHS: No; M PA HSL: No; SC TAP: No; WI Air: No	zMat: No; MI
71074-89-0	bis[(dimethylamino)methyl]phenol	CAA HAP,ODC: No; CWA NPDES: No; TSCA PROP.65: No; CA TAC, Title 8: No; MA Oil/Ha CMR, Part 5: No; NC TAP: No; NJ EHS: No; M PA HSL: No; SC TAP: No; WI Air: No	zMat: No; MI
4246-51-9	3,3'-Oxybis(ethyleneoxy)bis(propylamine)	CAA HAP,ODC: No; CWA NPDES: No; TSCA Inventory; CA PROP.65: No; CA TAC, Title 8: Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NY Part 597: No; PA HSL: No; SC TAP: N	No; MA No; NJ EHS:

16. Other Information			
Revision Date:	03/03/2014		
Additional Information A This Product:	bout		
Company Policy or Disclaimer:	The information contained in this SDS is believed to be accurate and reliable as of the date indicated. Crest Industries, Inc. assumes no legal responsibility and makes no representation, warranty or guarantee, expressed or implied, as to the completeness or accuracy of the information. It is offered solely for your consideration, investigation and verification. The user is ultimately responsible for the safe use of the material in accordance with applicable federal, state, provincial and local laws and regulations.		



1. Product and Company Identification					
Product Code:	CE-PB (R)				
Product Name:	Panel Bonder 3500 Resin				
Company Name:	Crest Industries, Inc. 1337 King Road Trenton, MI 48183	<b>Phone Number:</b> (734)479-4141			
Web site address:	crestauto.com				
Emergency Contact:	Chemtel International Calls	(800)255-3924 (813)248-0585			
Stock Number(s):	CE-PB				

2. Hazards Identification

Skin Sensitization, Category 1B Serious Eye Damage/Eye Irritation, Category 1 Carcinogenicity, Category 2

GHS Signal Word:	Danger
GHS Hazard Phrases:	H317 - May cause an allergic skin reaction.
	H318 - Causes serious eye damage.
	H351 - Suspected of causing cancer.
GHS Precaution Phrases:	<ul> <li>P201 - Obtain special instructions before use.</li> <li>P202 - Do not handle until all safety precautions have been read and understood.</li> <li>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.</li> <li>P272 - Contaminated work clothing should not be allowed out of the workplace.</li> </ul>
	P280 - Wear protective gloves/protective clothing/eye protection.
GHS Response Phrases:	<ul> <li>P302+352 - IF ON SKIN: Wash with plenty of soap and water.</li> <li>P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P310 - Immediately call a POISON CENTER or doctor/physician.</li> <li>P333+313 - If skin irritation or rash occurs, get medical advice/attention.</li> <li>P362+364 - Take off contaminated clothing and wash it before reuse.</li> </ul>
GHS Storage and Disposal	P405 - Store locked up.
Phrases:	P501 - Dispose of contents/container to an approved treatment/storage/disposal facility in accordance with local/regional/national and international regulations.
Potential Health Effects (Acute and Chronic):	
Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
Skin Contact:	May be harmful if absorbed through the skin. Causes skin irritation.
Eye Contact:	Causes eye irritation.
Ingestion:	May be harmful if swallowed.



#### **SAFETY DATA SHEET** Panel Bonder 3500 Resin

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	3	. Composition/Info	rmation on Ingredients
CAS #	Hazardous Com	ponents (Chemical Name)	Concentration
60676-86-0	Silica, Fused		15.00 - 20.00 %
14464-46-1	Cristobalite		0.140 %
NA	Polymer		50.00 - 60.00 %
1333-86-4	Carbon black		0.100 - 0.500 %
NA	Epoxy Resin Mod	lifier	10.00 - 15.00 %
NA	Organosiloxane		1.500 - 5.000 %
		4. First A	id Measures
Emergency a Procedures:	and First Aid		
In Case of In	halation:	If breathed in, move perso Consult a physician.	n into fresh air. If not breathing, give artificial respiration.
In Case of SI	kin Contact:	Wash off with soap and ple	enty of water. Consult a physician.
In Case of Ey	ye Contact:	Rinse thoroughly with plen Continue rinsing eyes duri	ity of water for at least 15 minutes and consult a physician. ng transport to hospital.
In Case of In	gestion:	Never give anything by mo Consult a physician.	outh to an unconscious person. Rinse mouth with water.
Note to Phys	sician:	Consult a physician. Show dangerous area.	this safety data sheet to the doctor in attendance. Move out of
		5. Fire Figh	iting Measures
Flash Pt:		99.0 C (210 F)	
Explosive Li	mits:	LEL:	UEL:
Autoignition		NA	
Suitable Exti	nguishing Medi	a:Use water spray, dry chem	nical, carbon dioxide, or alcohol-resistant foam.
Fire Fighting	Instructions:	As in any fire, wear self-co approved or equivalent) ar	ntained breathing apparatus pressure-demand, MSHA/NIOSH nd full protective gear.
Flammable F Hazards:	Properties and		
Hazardous C Products:	Combustion		
		6. Accidental F	Release Measures
Steps To Be Material Is Re Spilled:	Taken In Case eleased Or	adequate ventilation. Environmental precaution	r spillage if safe to do so. Do not let product enter drains.
		Keep in suitable, closed c	ontainers for disposal.
		7. Handlin	g and Storage
Precautions Handling:	To Be Taken in	Avoid contact with skin and Normal measures for prev	d eyes. Avoid inhalation of vapor or mist. entive fire protection.
Precautions Storing:	To Be Taken in	Keep container tightly clos	ed in a dry and well-ventilated place.



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	8	-					
CAS #	Partial Chemical	Name		OSHA TWA	ACGIH TWA	Other Limits	
60676-86-0	Silica, Fused		I	PEL: 80 mg/m3/(%SiO2)	TLV: 0.1 mg/m3 (F	R)	
14464-46-1	Cristobalite		I	PEL: 4412 ppm/(%SiO2+5	) TLV: 0.05 mg/m3 (	(R)	
NA	Polymer						
1333-86-4	Carbon black		I	PEL: 3.5 mg/m3	TLV: 3.5 mg/m3		
NA	Epoxy Resin Mod	lifier	ier				
NA	Organosiloxane						
Respiratory EquipmentUse respirators and components tested and approved under appropriate govern(Specify Type):standards such as NIOSH (US) or CEN (EU).					opropriate government		
Eye Protection	on:	Face shie	ld and safe	ty glasses.			
Protective G	loves:		-	Dispose of contamination of contamination of the provide the provided	-		
Other Protec	tive Clothing:	Wear app	ropriate pro	tective clothing to pre	event skin exposure.		
Engineering (Ventilation e		Use with a	adequate ve	entilation.			
	nic/Maintenance	Handle in	gienic/Maintenance Handle in accordance with good industrial hygiene and safety practice. Wash hands				
Due ette e e .		before breaks and at the end of workday.					
Practices:		before bre		•			
Practices:			eaks and at	•			
	tes:		eaks and at	the end of workday. nd Chemical P			
Physical Sta		<b>9. Phy</b> [ ] Gas Black.	eaks and at <b>ysical a</b>	the end of workday. nd Chemical P			
Physical Sta Appearance		<b>9. Ph</b>	eaks and at <b>ysical a</b>	the end of workday. nd Chemical P			
Physical Sta Appearance pH:	and Odor:	9. Phy [ ] Gas Black. Faint.	eaks and at <b>ysical a</b> [X]Liqu	the end of workday. nd Chemical P			
Physical Sta Appearance pH: Melting Poin	and Odor: t:	<b>9. Phy</b> [ ] Gas Black. Faint. NA - 5.00	eaks and at <b>ysical a</b>	the end of workday. nd Chemical P			
Physical Sta Appearance pH: Melting Poin Boiling Poin	and Odor: t:	<b>9. Phy</b> [ ] Gas Black. Faint. NA - 5.00 NA	eaks and at ysical a [X]Liqu C (41.0 F)	the end of workday. nd Chemical P			
Physical Sta Appearance pH: Melting Poin Boiling Point Flash Pt:	and Odor: t: t:	<b>9. Phy</b> [ ] Gas Black. Faint. NA - 5.00	eaks and at ysical a [X]Liqu C (41.0 F)	the end of workday. nd Chemical P			
Physical Sta Appearance pH: Melting Poin Boiling Poin Flash Pt: Evaporation	and Odor: t: t: Rate:	<b>9. Phy</b> [ ] Gas Black. Faint. NA - 5.00 NA	eaks and at ysical a [X]Liqu C (41.0 F)	the end of workday. nd Chemical P			
Physical Sta Appearance pH: Melting Poin Boiling Poin Flash Pt: Evaporation Flammability	and Odor: t: t: Rate: / (solid, gas):	<b>9. Phy</b> [ ] Gas Black. Faint. NA - 5.00 NA	eaks and at ysical a [X]Liqu C (41.0 F)	the end of workday. nd Chemical P			
Physical Sta Appearance pH: Melting Poin Boiling Poin Flash Pt: Evaporation Flammability Explosive Li Vapor Press	and Odor: t: t: Rate: / (solid, gas):	9. Phy [ ] Gas Black. Faint. NA - 5.00 NA 99.0 C (24	eaks and at ysical a [X]Liqu C (41.0 F)	the end of workday. nd Chemical P id [] Solid			
Physical Sta Appearance pH: Melting Poin Boiling Poin Flash Pt: Evaporation Flammability Explosive Li Vapor Press mm Hg): Vapor Densi	and Odor: t: t: Rate: / (solid, gas): mits: ure (vs. Air or ty (vs. Air = 1):	9. Phy [ ] Gas Black. Faint. NA - 5.00 NA 99.0 C (24	eaks and at ysical a [X]Liqu C (41.0 F)	the end of workday. nd Chemical P id [] Solid			
Physical Sta Appearance oH: Melting Poin Boiling Poin Flash Pt: Evaporation Flammability Explosive Lin Vapor Press mm Hg): Vapor Densit Specific Gra	and Odor: t: t: Rate: / (solid, gas): mits: ure (vs. Air or	9. Phy [ ] Gas Black. Faint. NA - 5.00 NA 99.0 C (2*	eaks and at ysical a [X] Liqu C (41.0 F) 10 F)	the end of workday. nd Chemical P id [] Solid			
Physical Sta Appearance oH: Melting Poin Boiling Poin Flash Pt: Evaporation Flammability Explosive Li Vapor Press mm Hg): Vapor Densit Specific Gra Density:	and Odor: t: t: Rate: v (solid, gas): mits: ure (vs. Air or ty (vs. Air = 1): vity (Water = 1):	9. Phy [ ] Gas Black. Faint. NA - 5.00 NA 99.0 C (24	eaks and at ysical a [X] Liqu C (41.0 F) 10 F)	the end of workday. nd Chemical P id [] Solid			
Physical Sta Appearance oH: Melting Poin Boiling Poin Flash Pt: Evaporation Flammability Explosive Li Vapor Press mm Hg): Vapor Densit Specific Gra Density: Solubility in	and Odor: t: t: Rate: / (solid, gas): mits: ure (vs. Air or ty (vs. Air = 1): vity (Water = 1): Water:	9. Phy [ ] Gas Black. Faint. NA - 5.00 NA 99.0 C (2*	eaks and at ysical a [X] Liqu C (41.0 F) 10 F)	the end of workday. nd Chemical P id [] Solid			
Physical Sta Appearance oH: Melting Poin Boiling Poin Flash Pt: Evaporation Flammability Explosive Lie Vapor Press mm Hg): Vapor Densit Specific Gra Density: Solubility in Octanol/Wat	and Odor: t: t: Rate: / (solid, gas): mits: ure (vs. Air or ty (vs. Air = 1): vity (Water = 1): Water:	9. Phy [ ] Gas Black. Faint. NA - 5.00 NA 99.0 C (2*	eaks and at ysical a [X] Liqu C (41.0 F) 10 F)	the end of workday. nd Chemical P id [] Solid			
Physical Sta Appearance pH: Melting Poin Boiling Poin Flash Pt: Evaporation Flammability Explosive Li Vapor Press mm Hg): Vapor Densit Specific Gra Density: Solubility in Octanol/Wat	and Odor: t: t: Rate: v (solid, gas): mits: ure (vs. Air or ty (vs. Air = 1): vity (Water = 1): Water: er Partition	9. Phy [ ] Gas Black. Faint. NA - 5.00 NA 99.0 C (24) LEL: 1.089 G/	eaks and at ysical a [X] Liqu C (41.0 F) 10 F)	the end of workday. nd Chemical P id [] Solid			
Physical Sta Appearance pH: Melting Poin Boiling Poin Flash Pt: Evaporation Flammability Explosive Li Vapor Press mm Hg): Vapor Densit Specific Gra Density: Solubility in Octanol/Wat Coefficient: Autoignition	and Odor: t: t: Rate: v (solid, gas): mits: ure (vs. Air or ty (vs. Air = 1): vity (Water = 1): Water: er Partition	9. Phy [ ] Gas Black. Faint. NA - 5.00 NA 99.0 C (2 LEL: 1.089 G/	eaks and at ysical a [ X ] Liqu C (41.0 F) 10 F)	the end of workday. nd Chemical P id [] Solid			



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10. Stability and Reactivity							
Stability:		Unstable [ ]	Stable [X]				
Conditions To Instability:	o Avoid -	Excess heat.					
Incompatibili Avoid:	ty - Materials To	Strong oxidizing	Strong oxidizing agents, acids.				
Hazardous Decomposition or Hazardous decomposition products formed under fire conditions. Byproducts:							
Possibility of Reactions:	Possibility of Hazardous Will occur [ ] Will not occur [ X ] Reactions:						
	Conditions To Avoid - Hazardous Reactions:						
		11. To	xicological	Informatio	n		
Toxicological	Information:						
Irritation or C	orrosion:	No data availab	le.				
Carcinogenicity/OtherCarcinogenicity.Information:IARC: No component of this product present at levels greater than or equal to 0.1% identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% identified as a carcinogen or potential carcinogen by NTP.					ual to 0.1% is I to 0.1% is		
CAS #	Hazardous Com	ponents (Chemic	al Name)	NTP	IARC	ACGIH	OSHA
60676-86-0	Silica, Fused			n.a.	n.a.	n.a.	n.a.
14464-46-1	Cristobalite			Known	2A	A2	n.a.
NA	Polymer			n.a.	n.a.	n.a.	n.a.
1333-86-4	Carbon black			n.a.	2B	A4	n.a.
NA	Epoxy Resin Mod	difier		n.a.	n.a.	n.a.	n.a.
NA	Organosiloxane			n.a.	n.a.	n.a.	n.a.
		12. E	cological In	formation			
General Ecological Information:		Toxicity: no data available. PBT and vPvB assessment: no data available. Other adverse effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects. No data available.					
	Persistence andBiodegradability: Result: 2 % -According to the results of tests of biodegradability thisDegradability:product is not readily biodegradable.					dability this	
Bioaccumula	tive Potential:	No data availab	le.				
Mobility in Soil:		No data availab	le.				



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		13. Disposal	Consideratio	ons	
Waste Dispo	sal Method:	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Contact a licensed professional waste disposal service to dispose of this material.			
		Contaminated packaging.			
		Dispose of as unused pro	duct.		
		14. Transpe	ort Informatio	n	
LAND TRAN	SPORT (US DOT)	):			
DOT Haz	ard Class:	ne: Limited Quantity.			
UN/NA N		None			
	SPORT (Canadia	n TDG):			
UN Numb	pping Name: per:	None			
Hazard C	-		TDG Class	sification:	
MARINE TR	ANSPORT (IMDO	;/IMO):			
	O Shipping Nam		•		
UN Num Hazard (		3267	Packing (	Group:	111
nazaru (	21055.		IMDG MF	AG Number:	
IMDG EN	IS Page:		_		
AIR TRANSF	PORT (ICAO/IATA	<b>()</b> :			
	A Shipping Nam	•	•		
UN Numb Hazard C		3267	Packing G	Group:	III
		15 Regulat	ory Information	าก	
EPA SARA (S	uperfund Amendm	ents and Reauthorization A	-		
CAS #	-	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
60676-86-0	Silica, Fused	· · · ·	No	No	No
14464-46-1	Cristobalite		No	No	No
NA	Polymer		No	No	No
1333-86-4	Carbon black		No	No	No
NA	Epoxy Resin Mod	lifier	No	No	No
NA	Organosiloxane		No	No	No
'Hazard Cate	I meets the EPA gories' defined le III Sections ndicated:	[X] Yes [ ] No Chronic [ ] Yes [X] No Fire Haz	Release of Pressure	zard	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA o	or State Lists	
60676-86-0	Silica, Fused		Inventory; CA P Oil/HazMat: No; Yes - 1656; NY Air: No	MI CMR, Part 5: No Part 597: No; PA H	AC, Title 8: No; MA o; NC TAP: No; NJ EHS: ISL: No; SC TAP: No; WI
14464-46-1	Cristobalite		CAA HAP,ODC:	No; CWA NPDES:	NO; ISCA: Yes -

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NA	Polymer	Inventory; CA PROP.65: No; CA TAC, Title & Oil/HazMat: No; MI CMR, Part 5: No; NC TA Yes - 1657; NY Part 597: No; PA HSL: Yes - WI Air: No CAA HAP,ODC: No; CWA NPDES: No; TSC PROP.65: No; CA TAC, Title 8: No; MA Oil/P	P: No; NJ EHS: 1; SC TAP: No; A: No; CA HazMat: No; MI
1333-86-4	Carbon black	CMR, Part 5: No; NC TAP: No; NJ EHS: No; PA HSL: No; SC TAP: No; WI Air: No CAA HAP,ODC: No; CWA NPDES: No; TSC Inventory; CA PROP.65: Yes; CA TAC, Title MA Oil/HazMat: No; MI CMR, Part 5: No; NC EHS: Yes - 0342; NY Part 597: No; PA HSL: TAP: No; WI Air: Yes	:A: Yes - 8: TAC, Title 8; 2 TAP: No; NJ
NA	Epoxy Resin Modifier	CAA HAP,ODC: No; CWA NPDES: No; TSC PROP.65: No; CA TAC, Title 8: No; MA Oil/H CMR, Part 5: No; NC TAP: No; NJ EHS: No; PA HSL: No; SC TAP: No; WI Air: No	HazMat: No; MI
NA	Organosiloxane	CAA HAP,ODC: No; CWA NPDES: No; TSC PROP.65: No; CA TAC, Title 8: No; MA Oil/F CMR, Part 5: No; NC TAP: No; NJ EHS: No; PA HSL: No; SC TAP: No; WI Air: No	HazMat: No; MI

### 16. Other Information

**Revision Date:** 

03/03/2014

Additional Information About This Product: Company Policy or Disclaimer:

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