SeaCoat TECHNOLOGY, LLC

EFFECTIVE DATE: 12/15/2000 **MATERIAL SAFETY DATA SHEET** **No: 121500 –SINVCH**

NOVA - SIL™ HARDNER ALL COLORS

1. PRODUCT IDENTIFICATION

PRODUCT NAME: NOVA - SIL™ HARDNER

CHEMICAL FAMILY: FORMULATED AMINE

2. COMPOSITION / INGREDIENT INFORMATION

CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS		
		ACGIH		OSHA		IARC	NTP	OSHA
		TWA	STEL	PEL	STEL			
*100-51-6	BENZYL ALCOHOL	NE	NE	NE	NE	NR	NR	NR
*69-72-7	BENZOIC ACID, 2 HYDROXY	NE	NE	NE	NE	NR	NR	NR
*694-83-7	1,2-CYCLOHEXANEDIAMINE	NE	NE	NE	NE	NR	NR	NR
*68410-23-1	POLYAMIDE RESIN	NE	NE	NE	NE	NR	NR	NR

NE= NOT ESTABLISHED NR = NOT REVIEWED * = OSHA HAZARDOUS INGREDIENT

3. HAZARDS IDENTIFICATION

EMERGENCY SUMMARY: WARNING !! SEVERE EYE, SKIN IRRITANT. CAN CAUSE BURNS WITH PROLONGED CONTACT. MAY CAUSE GASTROINTESTINAL TRACT BURNS IF SWALLOWED. CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION.

PRIMARY ROUTES OF ENTRY: DERMAL

4. FIRST AID MEASURES

SKIN: WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER. GET MEDICAL ATTENTION IF CONDITION CONTINUES. REMOVE CLOTHING AND SHOES, DECONTAMINATE CLOTHING PRIOR TO RE-USE

INGESTION: IF SWALLOWED, GIVE A MINIMUM OF 3-4 GLASSES OF WATER BUT DO NOT INDUCE VOMITTING. DO NOT GIVE ANYTHING BY MOUTH TO A PERSON WHO IS CONVULSING OR IS UNCONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY. HAVE PHYSICIAN DETERMINE IF VOMITTING OR STOMACH EVACUATION IS NEEDED.

EYES: FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION OCCURS.

INHALATION: MOVE PERSON FROM AREA INTO FRESH AIR. IF RESPIRATORY IRRITATION OR DIFFICULTY IN BREATHING DEVELOP SEEK MEDICAL ATTENTION.

CONDITIONS AGGRAVATED BY EXPOSURE: ALLERGIES, ECZEMA OR SKIN CONDITIONS

FIRE & EXPLOSION HAZARDS: COMBUSTION & DECOMPOSITION PRODUCTS MAY BE TOXIC

FLASH POINT: > 200° F (>93° C)

6. ACCIDENTAL RELEASE

WEAR PROECTIVE GEAR. ABSORB WITH SAND OR OTHER SUITABLE MATERIAL. PUT INTO AN APPROVE CONTAINER FOR DISPOSAL. FLUSH CONTAMINATED AREA WITH WATER.

7. STORAGE & HANDLING

STORE IN A COOL DRY PLACE. KEEP CONTAINERS WELL SEALED TO PREVENT MOISTURE ABSORPTION OR CONTAMINATION. THIS PRODUCT IS FOR INDUSTRIAL USE ONLY. USE ONLY WITH GOOD VENTILATION. AVOID BREATHING VAPORS OR MIST. AVOID CONTACT WITH SKIN OR EYES. WASH THOROUGHLY AFTER USE.

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

SKIN: WEAR IMPERVIOUS GLOVES

EYE PROTECTION: WEAR SPLASH PROOF CHEMICAL GOGGLES

RESPIRATORY: USE NIOSH APPROVED RESPIRATOR SUITABLE FOR ORGANIC VAPORS, IF REQUIRED. USE VENTILATION AND LOCAL EXHAUST IF NEEDED.

9. CHEMICAL AND PHYSICAL PROPERTIES

COLOR:	**CLEAR YELLOW LIQUID**
PHYSICAL STATE:	**VISCOUS LIQUID**
SOLUABILITY IN WATER:	**NEGLIGIBLE**
ODOR:	**STRONG AMINE**

10. REACTIVITY / STABILITY

STABILITY:	**STABLE**
INCOMPATIBILITY:	**STRONG ACIDS, OXIDIZING AGENTS**
HAZARDOUS POLYMERIZATION:	**WILL NOT OCCUR**
HAZARDOUS DECOMPOSITION PRODUCTS:	**CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES**

11. TOXICOLOGICAL

SENSITIZATION:	**MAY CAUSE SENSITIZATION**
SKIN IRRITATION:	**MODERATE IRRITATION (RABBIT)**
EYE IRRITATION:	**SEVERE IRRITATION (RABBIT)**

12. ECOLOGICAL DATA

NO ECOLOGICAL DATA AVAILABLE

13. DISPOSAL

DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS

14. TRANSPORTATION

DOT: NOT REGULATED

15. REGULATORY INFORMATION

OSHA (OCCUPATIONAL SAFETY AND HEALTH ACT): THIS DOCUMENT HAS BEEN PREPARED IN ACCORDANCE WITH FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. THIS PRODUCT IS CONSIDERED A HAZARDOUS CHEMICAL UNDER THE AFOREMENTIONED STANDARD.

RCRA (RESOURCE CONSERVATION AND RECOVERY ACT): NOT A HAZARDOUS WASTE BASED ON RCRA (40 CFR 261)

SARA TITLE III: SECTION 304 – CERCLA: NOT LISTED

SARA TITLE III: SECTION 313 TOXIC CHEMICAL LIST (TCL): THIS PRODUCT DOES NOT CONTAIN A TOXIC CHEMICAL FOR ROUTINE ANNUAL TOXIC RELEASE REPORTING UNDER SECTION 313 (40 CFR 372).

TSCA SECTION 8(B) – INVENTORY STATUS: CHEMICAL COMPONENTS ARE LISTED ON TSCA INVENTORY

CANADIAN INVENTORY STATUS: ALL COMPONENTS ARE LISTED ON (DSL) DOMESTIC SUBSTANCES LIST.

NEW JERSEY RIGHT TO KNOW:
CAS NUMBER 100-51-6 BENZYL ALCOHOL
CAS NUMBER 694-83-7 1,2-CYCLOHEXANEDIAMINE
CAS NUMBER 69-72-7 BENZOIC ACID, 2-HYDROXY-
CAS NUMBER 68410-23-1 POLYAMIDE RESIN

NJ REG No: 29943300001-5793P POLYAMIDOAMINE
NJ REG No: 29943300001- 5706P ALIPHATIC AMINE

PENNSYLANIA RIGHT TO KNOW:
CAS NUMBER 68410-23-1 POLYAMIDE RESIN
NOT INCLUDED IN THE PENNSYLVANIA HAZARDOUS SUBSTANCE LIST.
CAS NUMBER 100-51-6 BENZYL ALCOHOL
CAS NUMBER 69-72-7 BENZOIC ACID, 2-HYDROXY-
NOT INCLUDED IN THE PENNSYLVANIA HAZARDOUS SUBSTANCE LIST.
CAS NUMBER 694-83-7 1,2-CYCLOHEXANEDIAMINE
NOT INCLUDED IN THE PENNSYLVANIA HAZARDOUS SUBSTANCE LIST.

16. ADDITIONAL INFORMATION

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH CFR 1910. 1200. ALL INFORMATION, RECOMMENDATIONS AND SUGGESTIONS APPEARING HEREIN CONCERNING OUR PRODUCT(S) ARE BASED UPON TESTS AND DATA BELIEVED TO BE RELIABLE, HOWEVER, IT IS THE USER'S SOLE RESPONSIBILITY TO DETERMINE THE SAFETY, TOXICITY AND SUITABILITY FOR HIS OWN USE OF THE PRODUCTS DESCRIBED HEREIN. SINCE THE ACTUAL USE OF THESE PRODUCTS IS BY OTHERS AND BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE BY Seacoat TECHNOLOGY, LLC AS TO THE EFFECTS OF SUCH USE, INCLUDING THE RESULTS TO BE OBTAINED OR THE SAFETY AND TOXICITY OF THE PRODUCTS NOR DOES SeaCoat TECHNOLOGY, LLC ASSUME ANY LIABILIT ARISING OUT OF THE USE BY OTHERS OF THE PRODUCTS REFERRED TO HEREIN. NOR IS THE INFORMATION HEREIN TO BECONSTRUED AS ABSOLUTELY COMPLETE SINCE ADDITIONAL INFORMATION MAY BE NECESSARY OR DESIRABLE WHEN PARTICULAR OR EXCEPTIONAL CONDITIONS OR CIRCUMSTANCES EXIST OR BECAUSE OF APPLICABLE LAWS OR GOVERNMENT REGULATION

EFFECTIVE DATE: 12/15/2000 **MATERIAL SAFETY DATA SHEET** **No: 121500 –SINVC**

NOVA - SIL™ RESIN

ALL COLORS

1. PRODUCT IDENTIFICATION

PRODUCT NAME: NOVA - SIL™

CHEMICAL FAMILY: POLYSILOXANE NOVOLAC EPOXY RESIN

2. COMPOSITION / INGREDIENT INFORMATION

CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS		
		ACGIH		OSHA		IARC	NTP	OSHA
		TWA	STEL	PEL	STEL			
*28064-14-4	PHENOL POLYMER WITH FORMALDEHYDE.	NE	NE	NE	NE	NR	NR	NR

NE= NOT ESTABLISHED NR = NOT REVIEWED * = OSHA HAZARDOUS INGREDIENT

3. HAZARDS IDENTIFICATION

EMERGENCY SUMMARY: WARNING !! CAUSES IRRITATION OR ALLERGIC SKIN REACTIONS

PRIMARY ROUTES OF ENTRY: DERMAL

4. FIRST AID MEASURES

SKIN: WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER. GET MEDICAL ATTENTION IF CONDITION CONTINUES.

INGESTION: IF SWALLOWED, GIVE A MINIMUM OF 3-4 GLASSES OF WATER BUT DO NOT INDUCE VOMITTING. DO NOT GIVE ANYTHING BY MOUTH TO A PERSON WHO IS CONVULSING OR IS UNCONSCIOUS.

EYES: FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION OCCURS.

INHALATION: MOVE PERSON FROM AREA INTO FRESH AIR. IF RESPIRATORY IRRITATION OR DIFFICULTY IN BREATHING DEVELOP SEEK MEDICAL ATTENTION.

CONDITIONS AGGRAVATED BY EXPOSURE: ALLERGIES, ECZEMA OR SKIN CONDITIONS

OVEREXPOSURE EFFECTS: IRRITATION, SENSITIZATION, DERMATITIS

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: WATER SPRAY, DRY CHEMICAL, FOAM, CARBON DIOXIDE

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NOVA - SIL™ RESIN

FIRE & EXPLOSION HAZARDS: COMBUSTION & DECOMPOSITION PRODUCTS MAY BE TOXIC

FLASH POINT: **> 300° F (135° C)**

METHOD: **CLOSED CUP**

6. ACCIDENTAL RELEASE

ABSORB WITH SAND OR OTHER SUITABLE MATERIAL. PUT INTO AN APPROVE CONTAINER FOR DISPOSAL. FLUSH CONTAMINATED AREA WITH WATER.

7. STORAGE & HANDLING

STORE IN A COOL DRY PLACE. KEEP CONTAINERS WELL SEALED TO PREVENT MOISTURE ABSORPTION OR CONTAMINATION. THIS PRODUCT IS FOR INDUSTRIAL USE ONLY. USE ONLY WITH GOOD VENTILATION. AVOID BREATHING VAPORS OR MIST. AVOID CONTACT WITH SKIN OR EYES. WASH THOROUGHLY AFTER USE.

8. PERSONAL PROTECTION/EXPOSURE CONTROLS

SKIN: WEAR IMPERVIOUS GLOVES

EYE PROTECTION: **WEAR SPLASH PROOF CHEMICAL GOGGLES**

RESPIRATORY: USE NIOSH APPROVED RESPIRATOR SUITABLE FOR ORGANIC VAPORS, IF REQUIRED. USE VENTILATION AND LOCAL EXHAUST IF NEEDED.

9. CHEMICAL AND PHYSICAL PROPERTIES

COLOR:	**VARIOUS**
PHYSICAL STATE:	**THICK LIQUID**
SOLUABILITY IN WATER:	**NEGLIGIBLE**
SP. GRAVITY:	**≅ 1.2 AT 25° C (77° F)**
VAPOR PRESSURE:	**NEGLIGIBLE**
MELTING POINT:	**NOT DETERMINED**
BOILING POINT:	**> 200° C (> 392° F)**
VOLATILES:	**< 0.5%**

10. REACTIVITY / STABILITY

STABILITY:	**STABLE**
INCOMPATIBILITY:	**STRONG ACIDS, STRONG ALKALIES, OXIDIZING AGENTS**
HAZARDOUS POLYMERIZATION:	**WILL NOT OCCUR**
HAZARDOUS DECOMPOSITION PRODUCTS:	**CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES**
CONDITIONS TO AVOID:	**EXCESSIVE HEAT OVER LONG PERIODS WILL ADVERSELY AFFECT THE RESIN**

11. TOXICOLOGICAL

SENSITIZATION:	**MAY CAUSE SENSITIZATION**
SKIN IRRITATION:	**MILD IRRITATION (RABBIT)**

12. ECOLOGICAL DATA

NO ECOLOGICAL DATA AVAILABLE

13. DISPOSAL

DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS

14. TRANSPORTATION

DOT: NOT REGULATED

15. REGULATORY INFORMATION

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NEW JERSEY RIGHT TO KNOW: CAS NUMBER 28064-14-4
FORMALDEHYDE, POLYMER WITH (CHLOROMETHYL)OXIRANE AND PHENOL

PENNSYLANIA RIGHT TO KNOW: CAS NUMBER 28064-14-4
FORMALDEHYDE, POLYMER WITH (CHLOROMETHYL)OXIRANE AND PHENOL
NOT INCLUDED IN THE PENNSYLVANIA HAZARDOUS SUBSTANCE LIST.

16. ADDITIONAL INFORMATION

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