

# MATERIAL SAFETY DATA SHEET

Effective and Print Date: 5/31/10      MSDS #120HB2010A      Page #1

## SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Product Code: 120 HB Part A (Resin)  
Product Name: NSP 120 HB High Performance-High Build Epoxy  
Product Class: Modified Epoxy Resin  
CAS Number: None Assigned

NSP Specialty Products, P. O. Box 4690, Pinehurst, NC 28374 - 24 hr. Emergency Phone (910)235-0468 or (800)248-8907

## SECTION II - INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Exposure Limits</u>
Modified Epoxy Resin	Proprietary	None Assigned
N-Butyl Glycidyl Ether	2426-08-6	ACGIH TLV 25 ppm
Microcrystalline Silica,tripoli	1317-95-9	ACGIH TLV 0.1 mg/cu.m
Titanium Dioxide	13463-67-7	OSHA PEL 15.0 mg/cu.m
Hydrous Magnesium Silicate	14807-96-6	ACGIH TLV 2.0 mg/cu.m
Alkyl Quaternary Ammonium Clay	Proprietary	Not available

Contains other ingredients and pigments which should be treated as nuisance dust - TLV - 10 mg/cu.m, 8 hr. TWA (total dust)

## SECTION III - HAZARDS IDENTIFICATION

### \*\*\*\*\*EMERGENCY OVERVIEW\*\*\*\*\*

Viscous resinous material with mild characteristic odor. Color indicated on label. Eye and skin irritant. May cause sensitization and dermatitis. Avoid contact with eyes, skin and clothing.

\*\*\*\*\*

### Potential Health Effects

**EYE:** Causes mild to moderate eye irritation.

**SKIN:** Causes skin irritation. May cause sensitization and dermatitis.

**INGESTION:** Swallowing large amounts may cause injury and GI tract irritation.

**INHALATION:** May cause nasal irritation. Prolonged overexposure may cause central nervous system depression or lung injury.

**CHRONIC (CANCER INFORMATION):** Contains Microcrystalline Silica. Inhalation of silica dust (respirable) may cause delayed lung injury or disease. The International Agency for Research on Cancer (IARC) has evaluated that there is "sufficient evidence" that Microcrystalline Silica can cause cancer in laboratory animals and there is "limited evidence" with respect to humans. IARC Monograph: Level 2A Grouping. Take appropriate measures to avoid breathing spray during application or removal of cured product by use of NIOSH approved respirator.

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Product Code: 120 HB Part A (Resin)

### **SECTION IV - FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure rinsing of entire eye surface and lids with water.

**SKIN:** Promptly wipe clean with paper or cloths and wash with soap and water. Remove and wash any contaminated clothing before reuse.

**INGESTION:** If 120 Part A is swallowed, promptly induce vomiting and get medical attention. Do not give anything by mouth to an unconscious or convulsing person. If mixed product (120 Part A and Part B) is swallowed, do not induce vomiting and get immediate medical attention.

**INHALATION:** If ill effects occur, remove to fresh air. Keep warm and quiet and get medical attention promptly.

### **SECTION V - FIRE FIGHTING MEASURES**

#### **FLAMMABLE PROPERTIES:**

FLASH POINT: > 173 Deg. F (78 Deg. C)      Method: CC

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide and aldehydes.

**EXTINGUISHING MEDIA:** Foam, carbon dioxide, dry chemical or water spray.

**FIRE FIGHTING INSTRUCTIONS:** Firefighters should wear goggles and self-contained breathing apparatus to avoid inhalation.

### **SECTION VI - ACCIDENTAL RELEASE MEASURES**

#### **SMALL SPILL:**

Absorb spill with suitable absorbent material (dry sand, earth) and shovel into closed containers for disposal. Flush contaminated area with water.

#### **LARGE SPILL:**

Dike area and pump into closed containers. Prevent runoff from entering into storm sewers and ditches that could lead to natural waterways. Wear protective equipment during cleanup.

### **SECTION VII - HANDLING AND STORAGE**

#### **HANDLING:**

This material may cause sensitization. Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to come in contact with skin. Avoid contact with vapors and fumes. Wear protective equipment.

#### **STORAGE:**

Store in closed containers in a cool, dry place. Avoid heat and warm storage areas.

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### **SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

#### **ENGINEERING CONTROLS:**

Control airborne concentrations below the exposure limits. Use only with adequate ventilation. Local exhaust and general ventilation is recommended.

#### **RESPIRATORY PROTECTION:**

NIOSH approved respirator suitable for organic vapors if TLV is exceeded.

#### **SKIN PROTECTION:**

Chemical-resistant plastic or rubber gloves. Wear protective equipment as required to prevent wetting the skin or clothing.

#### **EYE PROTECTION:**

Chemical splash goggles.

### **SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: Not applicable

MELTING POINT: Not applicable

VAPOR DENSITY: Non-volatile

% VOLATILES: NIL

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 1.55

ODOR: Mild, characteristic odor

APPEARANCE: Resinous, viscous liquid. Color indicated on label.

### **SECTION X - STABILITY AND REACTIVITY**

#### **CHEMICAL STABILITY: (CONDITIONS TO AVOID)**

Keep away from heat and warm storage areas. Stable.

#### **INCOMPATIBILITY:**

Strong oxidizers, acids, alkalies and epoxy hardeners under uncontrolled conditions.

#### **HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon monoxide, carbon dioxide, aldehydes.

#### **HAZARDOUS POLYMERIZATION:**

Will not occur.

### **SECTION XI - TOXICOLOGICAL INFORMATION**

None available

### **SECTION XII - ECOLOGICAL INFORMATION**

None available

### **SECTION XIII - DISPOSAL CONSIDERATIONS**

Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal, state and local regulations.

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Product Code: 120 HB Part A (Resin)

**SECTION XIV - TRANSPORT INFORMATION**

Not regulated by DOT

**SECTION XV - REGULATORY INFORMATION**

**OSHA:**

Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

**SARA SECTION 313 LISTED INGREDIENTS:**

This product does not contain any substances that are subject to the reporting requirements of 40 CFR 372.

**SECTION XVI - OTHER INFORMATION**

This information herein is given in good faith and is accurate to the best of NSP Specialty Products knowledge based on published MSDS from manufacturers, however no warranty, express or implied, is made as to the accuracy or completeness of these data and recommendations.

**MATERIAL SAFETY DATA SHEET**

Effective and Print Date: 5/31/10    MSDS #120HB2010B    Page #1

**SECTION I - PRODUCT AND COMPANY IDENTIFICATION**

Product Code: 120 HB Part B (Hardener)  
Product Name: NSP 120 HB High Performance-High Build Epoxy  
Product Class: Modified Epoxy Hardener  
CAS Number: None Assigned

NSP Specialty Products, P. O. Box 4690, Pinehurst, NC 28374- 24 hr. Emergency Phone (910)235-0468 or (800)248-8907

**SECTION II - INFORMATION ON INGREDIENTS**

<u>Ingredients</u>	<u>CAS#</u>	<u>Exposure Limits</u>
Alkyl Amines/Amine Epoxy Adducts	Proprietary	None Assigned
Epoxy Resin	Proprietary	None Assigned
Benzyl Alcohol	100-51-6	None Assigned
Phenol	108-95-2	ACGIH TLV 5 ppm Skin
Microcrystalline Silica,tripoli	1317-95-9	ACGIH TLV 0.1 mg/cu.m
Hydrous Magnesium Silicate	14807-96-6	ACGIH TLV 2.0 mg/cu.m
Contains other ingredients which should be treated as nuisance dust - TLV - 10 mg/cu.m, 8 hr. TWA (total dust)		

**SECTION III - HAZARDS IDENTIFICATION**

**\*\*\*\*\*EMERGENCY OVERVIEW\*\*\*\*\***

Viscous beige liquid with mild characteristic amine odor. Causes severe eye irritation. Causes skin irritation. May cause allergic skin reaction and sensitization. Avoid contact with eyes, skin or clothing. Avoid breathing mist or spray.

\*\*\*\*\*

**Potential Health Effects**

**EYE:** Causes severe eye irritation.

**SKIN:** Causes moderate to severe skin irritation. May cause allergic skin reaction and sensitization.

**INGESTION:** Substance is extremely harmful if swallowed.

**INHALATION:** Prolonged or repeated inhalation may cause lung damage or respiratory irritation. Avoid breathing mist or spray.

**CHRONIC (CANCER INFORMATION):** Contains Microcrystalline Silica. Inhalation of silica dust (respirable) may cause delayed lung injury or disease. The International Agency for Research on Cancer (IARC) has evaluated that there is "sufficient evidence" that Microcrystalline Silica can cause cancer in laboratory animals and there is "limited evidence" with respect to humans. IARC Monograph: Level 2A Grouping. Take appropriate measures to avoid breathing spray during application or removal of cured product by use of NIOSH approved respirator.

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Product Code: 120 HB Part B (Hardener)

### **SECTION IV - FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure rinsing of the entire eye surface and lids with water. If physician is not available, continue flushing for an additional 15 minutes. Get immediate medical attention.

**SKIN:** Immediately remove contaminated clothing and shoes. Wash affected areas with mild soap and water for at least 15 minutes. Get medical attention if necessary. Discard or decontaminate clothing before re-use.

**INGESTION:** If 120 Part B is swallowed, immediately give at least 3 - 4 glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention. If mixed product (120 Part A and Part B) is swallowed, do not induce vomiting and get immediate medical attention.

**INHALATION:** If ill effects occur, remove to fresh air. If breathing is difficult, get immediate medical attention.

### **SECTION V - FIRE FIGHTING MEASURES**

#### **FLAMMABLE PROPERTIES:**

FLASH POINT: > 200 Deg. F (93 Deg. C)    Method: CC

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides,

**EXTINGUISHING MEDIA:** Foam, carbon dioxide, dry chemical or water spray.

**FIRE FIGHTING INSTRUCTIONS:** Firefighters should wear goggles and self-contained breathing apparatus to avoid inhalation of hazardous combustion products.

### **SECTION VI - ACCIDENTAL RELEASE MEASURES**

#### **SMALL SPILL:**

Avoid personal contact. Absorb spill with suitable absorbent material (dry sand, earth) and shovel into closed containers. Flush contaminated areas with water.

#### **LARGE SPILL:**

Ventilate area. Avoid personal contact. Dike area and pump into closed containers. Prevent runoff from entering into storm sewers and ditches that could lead to natural waterways. Wear protective equipment during cleanup.

### **SECTION VII - HANDLING AND STORAGE**

#### **HANDLING:**

Avoid personal contact. Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to come in contact with skin. Avoid contact with vapors and fumes. Wear protective equipment and wash thoroughly with mild soap and water after handling.

#### **STORAGE:**

Store in tightly closed containers in a cool, dry place. Avoid heat and warm storage areas.

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Product Code: 120 HB Part B (Hardener)

### **SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

#### **ENGINEERING CONTROLS:**

Control airborne concentrations below the exposure limits. Use only with adequate ventilation. Local exhaust and general ventilation is recommended.

#### **RESPIRATORY PROTECTION:**

NIOSH approved respirator suitable for organic vapors if TLV is exceeded.

#### **SKIN PROTECTION:**

Chemical-resistant plastic or rubber gloves. Wear protective equipment as required to prevent wetting the skin or clothing.

#### **EYE PROTECTION:**

Chemical splash goggles or full face shield is recommended.

### **SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: Not applicable

MELTING POINT: Not applicable

VAPOR DENSITY: Non-volatile

% VOLATILES: NIL

SOLUBILITY IN WATER: Very slight

SPECIFIC GRAVITY: 1.21

ODOR: Mild, amine odor

APPEARANCE: Beige viscous liquid

### **SECTION X - STABILITY AND REACTIVITY**

#### **CHEMICAL STABILITY: (CONDITIONS TO AVOID)**

Keep away from heat and warm storage. Stable.

#### **INCOMPATIBILITY:**

Strong oxidizers, acids and epoxy resins under uncontrolled conditions.

#### **HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides.

#### **HAZARDOUS POLYMERIZATION:**

Will not occur.

## ***MATERIAL SAFETY DATA SHEET***

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Product Code: 120 HB Part B (Hardener)

### **SECTION XI - TOXICOLOGICAL INFORMATION**

None available

### **SECTION XII - ECOLOGICAL INFORMATION**

None available

### **SECTION XIII - DISPOSAL CONSIDERATIONS**

Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal, state and local regulations.

### **SECTION XIV - TRANSPORT INFORMATION**

Not regulated by DOT

### **SECTION XV - REGULATORY INFORMATION**

#### **OSHA:**

Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

#### **SARA SECTION 313 LISTED INGREDIENTS:**

This product contains a substance that is subject to the reporting requirements of 40 CFR 372.

2.0% Phenol    CAS # 108-95-2

### **SECTION XVI - OTHER INFORMATION**

This information herein is given in good faith and is accurate to the best of NSP Specialty Products knowledge based on published MSDS from manufacturers, however no warranty, express or implied, is made as to the accuracy or completeness of these data and recommendations.