

**MATERIAL SAFETY DATA SHEET**

Effective and Print Date: 7/1/11      MSDS #6502011A      Page #1

**SECTION I - PRODUCT AND COMPANY IDENTIFICATION**

Product Code: 650 Part A (Resin)  
Product Name: NSP 650 Crack Repair/Joint Filler  
Product Class: Modified Epoxy Resin  
CAS Number: None Assigned

NSP Specialty Products, P. O. Box 4690, Pinehurst, NC 28374- ChemTel 24 hr US Emergency Number 800-255-3924 Worldwide Emergency Number +1 813-248-0585

**SECTION II - INFORMATION ON INGREDIENTS**

<b>Ingredients</b>	<b>CAS#</b>	<b>Exposure Limits</b>
Modified Epoxy Resin	Proprietary	None Assigned
Alkyl Glycidyl Ether	68609-97-2	None Assigned
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

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 liquid 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:** Mild to moderate irritation.

**SKIN:** May cause skin irritation or dermatitis.

**INGESTION:** Swallowing large amounts may cause injury.

**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: 650 Part A (Resin)

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

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

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

**INGESTION:** If large amounts of 650 Part A are swallowed, promptly induce vomiting and get medical attention. If mixed product (650 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: 490 Deg. F (254 Deg. C)      Method: CC

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide and smoke. Other possible products unknown.

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

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

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

#### **SMALL SPILL:**

Absorb spill with suitable absorbent material (dry sand, earth) and place into closed containers.

#### **LARGE SPILL:**

Ventilate area. 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: Very slight

SPECIFIC GRAVITY: 1.49

ODOR: Mild, characteristic odor

APPEARANCE: Viscous liquid. Color indicated on label.

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

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

Keep away from heat and warm storage. Stable.

#### **INCOMPATIBILITY:**

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

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

Carbon monoxide, carbon dioxide, smoke or other possible products unknown.

#### **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: 650 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: 7/1/11      MSDS #6502011B    Page #1

**SECTION I - PRODUCT AND COMPANY IDENTIFICATION**

Product Code: 650 Part B (Hardener)  
Product Name: NSP 650 Crack Repair/Joint Filler  
Product Class: Epoxy Curing Agent  
CAS Number: None Assigned

NSP Specialty Products, P. O. Box 4690, Pinehurst, NC 28374- ChemTel 24 hr US Emergency Number 800-255-3924 Worldwide Emergency Number +1 813-248-0585

**SECTION II - INFORMATION ON INGREDIENTS**

<b>Ingredients</b>	<b>CAS#</b>	<b>Exposure Limits</b>
Amine Compound	Proprietary	None Assigned
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

**SECTION III - HAZARDS IDENTIFICATION**

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

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

\*\*\*\*\*

**Potential Health Effects**

**EYE:** Causes severe eye irritation.

**SKIN:** Corrosive to skin. May cause allergic skin reaction and sensitization.

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

**INHALATION:** Mild respiratory tract irritant.

**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. By using proper safety precautions, this ingredient is not expected to present a significant hazard.

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Product Code: 650 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. Victims of major skin area contact should remain under medical observation for at least 24 hours due to possible delayed effects.

**INGESTION:** If 650 Part B is swallowed, immediately give at least 3 - 4 glasses of water or milk, 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 (650 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: 303 Deg. F. (150 C)    Method: CC

**HAZARDOUS COMBUSTION PRODUCTS:** May generate toxic or irritating combustion products. May generate carbon monoxide gas or nitrogen oxide gases.

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

**FIRE FIGHTING INSTRUCTIONS:** Firefighters should wear butyl rubber boots and gloves, 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 which could lead to natural waterways. Wear protective equipment during cleanup.

## **MATERIAL SAFETY DATA SHEET**

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### **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 cool, dry, place. Avoid heat and warm storage areas.

### **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: > 431 Deg. F. (> 222 Deg. C)

MELTING POINT: Not applicable

VAPOR DENSITY: No Data

% VOLATILES: NIL

SOLUBILITY IN WATER: Slight

SPECIFIC GRAVITY: 1.12

ODOR: Slight Amine

APPEARANCE: Beige viscous liquid

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

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

Stable.

#### **INCOMPATIBILITY:**

Strong oxidizers, acids and epoxy resins under uncontrolled conditions.

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

Carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides and other products unknown.

#### **HAZARDOUS POLYMERIZATION:**

Will not occur.

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Product Code: 650 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)

**CERCLA: SARA HAZARD CATEGORY:**

This product contains ingredients which have been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of SARA Title III and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard

**SARA SECTION 313 LISTED INGREDIENTS:**

This product does not contain any substances which 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.