

MATERIAL SAFETY DATA SHEET

1. Product Information

Product Name: NSP120 A Epoxy Base
CAS Number: None assigned

Product Class: Modified Epoxy Resin
Product Code: NSP010-A

date of prepn: 01JUL08

2. Information on Ingredients

Ingredients	CAS Number	Exposure Limits
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

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

3. Hazards Identification

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

4. 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.

5. 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.

6. 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 which could lead to natural waterways. Wear protective equipment during cleanup.

7. 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 cool, dry, place. Avoid heat and warm storage areas.

8. 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 and clothing. Eye Protection: Chemical splash goggles.

9. Physical and Chemical Properties

Boiling Point: N/A

Melting Point: N/A

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.

Product Name: NSP120 A Epoxy Base

10. 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.

11. Toxicological Information

None available.

12. Ecological Information

None available.

13. 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.

14. Transport Information

Not regulated by DOT

15. Regulatory Information

OSHA: Hazardous by definition of Hazard Communication Standard (28 CFR 1910.1200)
SARA Section 313 Listed Ingredients: This product does not contain any substances which are subject to the reporting requirements of 40 CFR 372.
HMIS: H- 2, F - 1, R - 0, P - H

16. Other Information

This information herein is given in good faith and is accurate to the best of the manufacturer's knowledge, however no warranty, express or implied, is made as to the accuracy or completeness of these data and recommendations.

MATERIAL SAFETY DATA SHEET

1. Product Information

Product Name: NSP120 B Curing Agent
CAS Number: N/A

Product Class: Modified Epoxy Hardener
Product Code: NSP010-B

Date of prepn: 01JUL08

2. Information on Ingredients

Ingredients	CAS Number	Exposure Limits
Cycloaliphatic/Amine Epoxy Adducts	Proprietary	None Assigned
Epoxy Resin	Proprietary	None Assigned
Benzyl Alcohol	100-51-6	None Assigned
Phenol	108-95-2	ACGIH TLV 5ppm 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 and pigments which should be treated as nuisance dust - TLV - 10 mg/cu.m, 8 hr. TWA (total dust)

3. Hazards Identification

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

4. 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. 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 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.

5. Fire Fighting Measures

Flammable Properties: Flash Point: > 200 Deg. F (93 Deg. C) Method: CC

Hazardous Combustion Products: Carbon monoxide, carbon dioxide and 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.

6. 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 which could lead to natural waterways. Wear protective equipment during cleanup.

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

8. 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 and clothing. Eye

Protection: Chemical splash goggles or full face shield is recommended.

9. Physical and Chemical Properties

Boiling Point: N/A	Melting Point: N/A	Vapor Density: Non-volatile	% Volatiles: NIL	Solubility in Water: Very slight	Specific
Gravity: 1.21	Odor: Mild, amine odor	Appearance: Beige viscous liquid.			

Product Name: NSP120 B Curing Agent

10. Stability and Reactivity

Chemical Stability: (Conditions to avoid) Keep away from heat and warm storage areas. Stable.
Incompatibility: Strong oxidizers, acids, alkalis and epoxy hardeners under uncontrolled conditions.
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Aldehydes, nitrogen oxides.
Hazardous Polymerization: Will not occur.

11. Toxicological Information

None available.

12. Ecological Information

None available.

13. 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.

14. Transport Information

Not regulated by DOT

15. Regulatory Information

OSHA: Hazardous by definition of Hazard Communication Standard (28 CFR 1910.1200)
SARA Section 313 Listed Ingredients: This product contains a substance which is subject to the reporting requirements of 40 CFR 372 - 2.0% Phenol
CAS # 108-95-2. HMIS: H- 3, F - 1, R - 0, P - H

16. Other Information

This information herein is given in good faith and is accurate to the best of the manufacturer's knowledge, however no warranty, express or implied, is made as to the accuracy or completeness of these data and recommendations.