

MATERIAL SAFETY DATA SHEET

Effective and Print Date: 7/1/11 MSDS #1322011A Page #1

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Product Code: 132 Part A (Resin)
Product Name: NSP 132 Non-Slip Safety Coating
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

<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
Acetone	67-64-1	ACGIH TLV 750 ppm

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*****

Flammable, viscous resinous material with pungent odor. Color indicated on label. Irritating to eyes, skin and respiratory tract.

Potential Health Effects

EYE: Causes 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: 132 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 132 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 (132 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: 0 F (-18 C) Method: TOC

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

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

FIRE FIGHTING INSTRUCTIONS: Use water spray to cool fire exposed containers and structures and disperse vapors; re-ignition is possible. Firefighters should wear goggles and self-contained breathing apparatus to avoid inhalation. Use remote spray monitors or fight fire from behind shields.

SECTION VI - ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Do not turn on any ignition source until the area is determined to be free from explosion or fire hazard. Wear suitable protective equipment. Stop spill at source and absorb spill with suitable absorbent material (dry sand, earth) and shovel into closed containers for disposal. Flush contaminated area with water.

LARGE SPILL:

Follow directions above for small 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:

Avoid personal contact. Never use welding or cutting torch on or near container (even empty due to residue) because product can ignite explosively. Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited from distant sources. Use proper grounding procedures. Any use of this product in elevated temperatures should be thoroughly evaluated for safe conditions.

STORAGE:

Store 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:

Mechanical ventilation is recommended. Special local ventilation may be needed where vapors are expected to escape.

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: 133 F

FREEZING/MELTING POINT: - 138 F

VAPOR DENSITY: (Air = 1) 2.0

% VOLATILES: 35

SOLUBILITY IN WATER: Slightly miscible

SPECIFIC GRAVITY: 1.24

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

SECTION X - STABILITY AND REACTIVITY

CHEMICAL STABILITY: (CONDITIONS TO AVOID)

Heat, spark, open flame, smoking, electric motors, pilot lights and other ignition sources.

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.

MATERIAL SAFETY DATA SHEET

Effective and Print Date: 7/1/11 MSDS #1322011A Page #4
Product Code: 132 Part A (Resin)

SECTION XIV - TRANSPORT INFORMATION

Regulated by DOT. Proper Shipping Name: Paint (Contains Acetone), Hazard Class 3, UN 1263, Packing Group II. Hazard Label - Flammable Liquid

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 #1322011B Page #1

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

Product Code: 132 Part B (Hardener)
Product Name: NSP 132 Non-Slip Safety Coating
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

<u>Ingredients</u>	<u>CAS#</u>	<u>Exposure Limits</u>
Modified Epoxy Resin	Proprietary	None Assigned
Alkyl Amines/Amine Epoxy Adducts	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
Acetone	67-64-1	ACGIH TLV 750 ppm
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*****

Flammable, beige, resinous material with pungent odor. Causes severe eye irritation. Causes skin irritation. May cause allergic skin reaction. Avoid all contact with eyes, skin or clothing and avoid breathing mist or spray.

Potential Health Effects

EYE: Causes severe eye irritation.

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

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.

MATERIAL SAFETY DATA SHEET

Effective and Print Date: 7/1/11 MSDS #1322011B Page #2
Product Code: 132 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 entire eye surface and lids with water. Get immediate medical attention.

SKIN: Wash affected areas with mild soap and water for at least 15 minutes. Get medical attention if necessary.

INGESTION: If 132 Part B is swallowed, immediately give 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 (132 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: 0 F (-18 C) Method: TOC

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

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

FIRE FIGHTING INSTRUCTIONS: Use water spray to cool fire exposed containers and structures and disperse vapors; re-ignition is possible. Firefighters should wear goggles and self-contained breathing apparatus to avoid inhalation. Use remote spray monitors or fight fire from behind shields.

SECTION VI - ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Do not turn on any ignition source until the area is determined to be free from explosion or fire hazard. Wear suitable protective equipment. Stop spill at source and absorb spill with suitable absorbent material (dry sand, earth) and shovel into closed containers for disposal. Flush contaminated area with water.

LARGE SPILL:

Follow directions above for small 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:

Avoid personal contact. Never use welding or cutting torch on or near container (even empty due to residue) because product can ignite explosively. Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited from distant sources. Use proper grounding procedures. Any use of this product in elevated temperatures should be thoroughly evaluated for safe conditions.

STORAGE:

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

MATERIAL SAFETY DATA SHEET

Effective and Print Date: 7/1/11 MSDS #1322011B Page #3
Product Code: 132 Part B (Hardener)

SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS:

Mechanical ventilation is recommended. Special local ventilation may be needed where vapors are expected to escape.

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: 133 F

FREEZING/MELTING POINT: - 138 F

VAPOR DENSITY: (Air = 1) 2.0

% VOLATILES: 20

SOLUBILITY IN WATER: Slightly miscible

SPECIFIC GRAVITY: 1.13

APPEARANCE: Resinous, beige, viscous liquid.

SECTION X - STABILITY AND REACTIVITY

CHEMICAL STABILITY: (CONDITIONS TO AVOID)

Heat, spark, open flame, smoking, electric motors, pilot lights and other ignition sources.

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.

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.

MATERIAL SAFETY DATA SHEET

Effective and Print Date: 7/1/11 MSDS #1322011B Page #4
Product Code: 132 Part B (Hardener)

SECTION XIV - TRANSPORT INFORMATION

Regulated by DOT. Proper Shipping Name: Paint (Contains Acetone), Hazard Class 3, UN 1263, Packing Group II. Hazard Label - Flammable Liquid

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.