



# SAFETY DATA SHEET According to GHS

PO Box 1528 • Mount Airy, NC 27030-1528  
800.346.8229 • Fax 336.789.9586 • [www.NCFI.com](http://www.NCFI.com)

Dalton, GA

Hickory, NC

Mount Airy, NC

Salt Lake City, UT

## Section 1: Identification

### Product Identifier

**Trade Name:** R-70-014 Series  
**Chemical Name:** Acrylic Coating  
**Recommended Use:** Roof Coating  
**Restrictions on Use:**

### Chemical Manufacturer Information

**Name:** NCFI Polyurethanes  
**Address:** 1515 Carter St Mount Airy, NC 27030  
**Website:** [www.NCFI.com](http://www.NCFI.com)

**Phone:** (800) 346-8229  
**Fax:** (336) 789-9586  
**Emergency Phone:** CHEMTREC: 800-424-9300

## Section 2: Hazard Identification

### Classification of the substance or mixture:

<b>GHS Classification:</b>	
• Skin irritation, Category 3	• Eye irritation, Category 3

### GHS Labeling:



<b>Hazard Statements:</b>	
• May cause skin irritation	• May cause substantial eye irritation
• May cause respiratory tract irritation.	• Vapor harmful, may affect the brain or nervous system causing dizziness, headache or nausea.

<b>Precautionary Statements:</b>	
• Do not breathe fume/gas/mist/vapors/spray	• Wear protective gloves/eye protection/face protection
• IF IN EYES: Rinse immediately with water for at least 15 minutes. Get medical attention immediately.	• IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, have a trained individual administer oxygen.
• IF ON SKIN: Wash with plenty of soap and water.	• IF INGESTED: Harmful if swallowed. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

### Long-term (Chronic) Health Effects:

**Carcinogenicity:** Contains Titanium Dioxide which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence with respect to humans and sufficient evidence in experimental animals.

**Inhalation:** Overexposure may cause lung damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and central nervous system damage.

**Skin Contact:** Prolonged contact may cause an allergic skin reaction.



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## Section 3: Composition

### Hazardous Components

Type of product: Mixture

CAS#	Weight %	Name
1317-65-3	< 35	Calcium carbonate
13463-67-7	< 8	Titanium Dioxide
107-21-1	< 1	Ethylene glycol
60676-86-0	< 1	Fused silica
7664-41-7	< 0.1	Ammonia

## Section 4: First Aid Measures

<b>Inhalation:</b>	Move to fresh air if symptoms develop. If breathing is difficult, give oxygen and call physician.
<b>Eye Contact:</b>	Flush with water for at least 15 minutes. See a physician if irritation develops.
<b>Ingestion:</b>	Give 2 glasses of water to drink; get medical attention.
<b>Most Important symptoms and effects, acute and delayed:</b>	May cause skin or eye irritation upon contact. Avoid breathing vapors. The dense vapors can displace and reduce breathing air in confined or unventilated spaces causing asphyxiation. Overexposure may cause tremors, confusion, irritation, and may result in cardiac sensitization.
<b>Indication of immediate medical attention and special treatment, if applicable:</b>	N/A
<b>Skin Contact:</b>	Wash with soap and water at first opportunity. Remove contaminated clothing and shoes. Wash or clean clothing before reuse.

## Section 5: Fire-Fighting Measures

<b>Suitable extinguishing media:</b>	Use alcohol resistant foam, CO <sub>2</sub> , dry chemical or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.
<b>Unsuitable extinguishing media:</b>	N/A
<b>Special hazards arising from the chemical:</b>	Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Material will burn in a fire. Empty containers that retain product residue can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.
<b>Precautions for fire-fighters:</b>	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.



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## Section 6: Accidental Release Measures

<b>Personal precautions, protective equipment, and emergency procedures:</b>	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill and the area in which the spill occurred. Also, consider the expertise of associates in the area near the spill.
<b>Methods and material for containment and cleanup:</b>	Remove or extinguish ignition or combustion sources. Do not allow smoking in the area. Contain spill. Dike with suitable absorbent material. Waste material should be gathered and stored in sealed containers and disposed of under conditions which meet federal, state, and local environmental regulations. Wash area with detergent and water.

## Section 7: Handling and Storage

<b>Precautions for safe handling:</b>	Harmful or irritating material. Avoid contacting and breathing the material. Use only in a well-ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes or on skin or clothing. Ground and bond containers when transferring material. Containers with product residue can be dangerous.
<b>Conditions for safe storage, including any incompatibilities:</b>	Keep tightly sealed. Store in a cool, dry place. Under no circumstances should empty drums be burned or cut open with an electric or gas torch.

## Section 8: Exposure Controls and PPE

### Exposure Limits

Component:	Type	Value
Calcium carbonate	ACGIH TLV-TWA	5 mg/m <sup>3</sup> respirable dust
Titanium dioxide	ACGIH TLV-TWA	5 mg/m <sup>3</sup> respirable dust
Ethylene glycol	ACGIH TLV-TWA	50 ppm
Fused silica	ACGIH TLV-TWA	0.05 mg/m <sup>3</sup> respirable dust
Ammonia	ACGIH TLV-TWA	50 ppm

### Exposure Controls

<b>Engineering Measures:</b>	Use local exhaust ventilation or other engineering controls to minimize exposure.
<b>Respiratory Protection:</b>	General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for use.
<b>Hand, eye, skin, body protection:</b>	Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Eye wash system and showers should be available. Where use can result in skin contact, practice good personal hygiene. Wash hands and other



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exposed areas with mild soap and water before eating, drinking and when leaving work. Wear clothing suitable to prevent skin contact. Wear chemical resistant gloves.

## Section 9: Physical and Chemical Properties

### Basic chemical and physical properties

<b>Appearance:</b>	Liquid	<b>Flammability:</b>	None
<b>Color:</b>	White, gray or tan	<b>Upper/lower flammability or explosive limits:</b>	N/A
<b>Odor:</b>	Faint ammonia	<b>Vapor pressure:</b>	N/A
<b>Viscosity:</b>	N/A	<b>Vapor density:</b>	N/A
<b>VOC (g/l) (Reg. calc.):</b>	0	<b>Relative density:</b>	1.4 grams/ml
<b>(Actual, calculated):</b>	0	<b>Solubility(ies):</b>	High in water
<b>Boiling pt/boiling range:</b>	> 200°F	<b>Partition coefficient (n-octanol/water):</b>	N/A
<b>Flash point:</b>	< 240°F	<b>Volatiles, % by Volume (calc):</b>	0
<b>Evaporation rate:</b>	N/A	<b>Volatiles, % by Weight (calc):</b>	0

## Section 10: Stability and Reactivity

<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	N/A
<b>Conditions to avoid:</b>	Temperatures above 350°F.
<b>Incompatible materials:</b>	Strong oxidizing agents, strong acids or bases, select amines.
<b>Hazardous decomposition products:</b>	Carbon oxides, nitrogen oxides, and aliphatic fragments.

## Section 11: Toxicological Information

### Component Toxicology Data:

### CAS Number

### LD50/LC50

Component Toxicology Data:	CAS Number	LD50/LC50
Titanium dioxide	13463-67-7	Oral LD50 Rat > 25 g/kg Dermal LD50 Rabbit > 10 g/kg Inhalation LC50 (4h) Rat > 6.82 mg/L
<b>Carcinogens:</b>		
Titanium dioxide	13463-67-7	IARC: 2B NTP: OSHA:

## Section 12: Ecological Information

<b>Ecotoxicity:</b>	
<b>Persistence and degradability:</b>	
<b>Bioaccumulative potential:</b>	

## Section 13: Disposal

<b>Waste disposal:</b>	When a decision is made to discard this material as supplied, it is classified as a RCRA non-hazardous waste.
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## Section 14: Transport

<b>UN number:</b>	None
<b>UN Proper shipping name:</b>	None
<b>Transport Hazard class(es):</b>	
<b>Packing group, if applicable:</b>	
<b>Other:</b>	<p><b>Workplace Classification</b> This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200). This product is a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).</p> <p><b>SARA TITLE 3: Section 311/312 Categorizations (40CFR 370)</b> This product is a hazardous chemical under 29CFR 1910. 1200 and is categorized as an immediate and delayed health hazard.</p> <p><b>SARA TITLE 3: Section 313 Information (40CFR 372)</b></p> <p><b>CERCLA Information (40CFR 302.4)</b> Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.</p>

## Section 15: Regulatory

<b>Inventory Status:</b>	All components TSCA listed
<b>US Federal Regulations:</b>	
<b>SARA EHS Chemicals</b>	Ethylene glycol
<b>CERLA</b>	Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.
<b>SARA 313</b>	This product contains a chemical which is listed in Section 313 at or above <u>de minimis</u> concentrations. The following listed chemicals are present: Ethylene Glycol (107-21-1)
<b>SARA 311/312</b>	This product is a hazardous chemical under 29CFR 1910. 1200 and is categorized as an immediate and delayed health hazard.
<b>US State Regulations:</b>	
<b>California Prop 65 Chemicals</b>	<b>Cancer</b>
	Titanium dioxide



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## Section 16: Other

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<b>SDS Preparation Date:</b>	05/31/2015
<b>Revision Date:</b>	

### IMPORTANT NOTICES

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