



SAFETY DATA SHEET According to GHS

PO Box 1528 • Mount Airy, NC 27030-1528
800.346.8229 • Fax 336.789.9586 • www.NCFI.com

Dalton, GA

Hickory, NC

Mount Airy, NC

Salt Lake City, UT

Section 1: Identification

Product Identifier

Trade Name: R-70-029 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

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

Section 2: Hazard Identification

Classification of the substance or mixture:

GHS Classification:	
• Skin irritation, Category 3	• Eye irritation, Category 2

GHS Labeling:



Hazard Statements:	
• 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.

Precautionary Statements:	
• 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: None.

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
107-21-1	< 2	Ethylene glycol

Section 4: First Aid Measures

Inhalation:	Move to fresh air if symptoms develop. If breathing is difficult, give oxygen and call physician.
Eye Contact:	Flush with water for at least 15 minutes. See a physician if irritation develops.
Ingestion:	Give 2 glasses of water to drink. Consult a physician.
Most Important symptoms and effects, acute and delayed:	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.
Indication of immediate medical attention and special treatment, if applicable:	N/A
Skin Contact:	Wash with soap and water at first opportunity. Remove contaminated clothing and shoes. Wash or clean clothing before reuse.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

Contains Ethylene Glycol. Ethylene glycol is moderately toxic by ingestion. Systemic effects include possible liver and kidney damage. If swallowed, immediate evacuation of the stomach is advisable. Ethanol is an antidote. Its early administration may block the formation of nephrotoxic metabolites of ethylene glycol in the liver. Ethanol should be given orally first in 50% solution, then in a 20% solution. Hemodialysis is necessary.

Section 5: Fire-Fighting Measures

Suitable extinguishing media:	Use alcohol resistant foam, CO ₂ , 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.
Unsuitable extinguishing media:	N/A
Special hazards arising from the chemical:	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.
Precautions for fire-fighters:	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

Personal precautions, protective equipment, and emergency procedures:	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.
Methods and material for containment and cleanup:	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

Precautions for safe handling:	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.
Conditions for safe storage, including any incompatibilities:	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
Ethylene glycol	ACGIH TLV-TWA	100 mg/m ³

Exposure Controls

Engineering Measures:	Use local exhaust ventilation or other engineering controls to minimize exposure.
Respiratory Protection:	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.
Hand, eye, skin, body protection:	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 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.



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Section 9: Physical and Chemical Properties

Basic chemical and physical properties

Appearance:	Liquid	Flammability:	N/A
Color:	White	Upper/lower flammability or explosive limits:	N/A
Odor:	Paint-like	Vapor pressure:	5.3
Viscosity:		Vapor density:	6.2 (air = 1)
VOC (g/l) (Reg. calc.):		Relative density:	>8.5 lbs./gal.
(Actual, calculated):		Solubility(ies):	Dispersible in water
Boiling pt/boiling range:	212°F	Partition coefficient (n-octanol/water):	N/A
Flash point:	N/A	Volatiles, % by Volume (calc):	
Evaporation rate:	Slower than ether	Volatiles, % by Weight (calc):	< 50 g/L

Section 10: Stability and Reactivity

Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	N/A
Conditions to avoid:	Temperatures above flash point in combination with ignition sources. Contamination. Elevated temperatures.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Sulfur containing gases, carbon dioxide, carbon monoxide

Section 11: Toxicological Information

Component Toxicology Data: **CAS Number** **LD50/LC50**

N/A		
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Section 12: Ecological Information

Ecotoxicity:	N/A
Persistence and degradability:	
Bioaccumulative potential:	

Section 13: Disposal

Waste disposal:	Dispose of in accordance with all Federal, State, and local government regulations.
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Section 14: Transport

UN number:	Not restricted
UN Proper shipping name:	N/A
Transport Hazard class(es):	
Packing group, if applicable:	
Other:	



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Section 15: Regulatory

Inventory Status:	All components TSCA listed		
US Federal Regulations:		CAS #	%
SARA EHS Chemicals			
CERLA	NA		
SARA 313	Ethylene glycol	107-21-1	< 2
SARA 311/312	Health (Acute): Y Health (chronic): Y Fire (Flammable): N Pressure: N Reactivity: N		
US State Regulations:			
California Prop 65 Chemicals			

Section 16: Other

MSDS Preparation Date:	05/31/2015
Revision Date:	

IMPORTANT NOTICES

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