

Material Safety Data Sheet



P. O. Box 1528 • MOUNT AIRY, NC 27030-1528
336-789-9161 • FAX 336-789-9586 • www.NCFI.com

Dalton, GA

Hickory, NC

Mount Airy, NC

Salt Lake City, UT

SECTION 1: PRODUCT IDENTIFICATION

Trade Name: NCFI 70-029 Series
Chemical Name: Mixture
Synonyms: Acrylic Coating

Chemical Family: Acrylic Resin System
Formula: N/A
Date Prepared: 06/10/2008

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>SARA 313 REPORTABLE</u>
Ethylene Glycol	107-21-1	< 2	Yes
	<u>ppm</u>		<u>mg/m3</u>
ACGIH TLV CEILING (Aerosol):	n/a		100

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: Inhalation

POTENTIAL HEALTH EFFECTS

EYES: Can cause moderate irritation, redness, tearing, and blurred vision.

SKIN: This product may cause skin irritation upon prolonged or repeat contact. Prolonged or repeated contact can cause moderate irritation, defating or dermatitis.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea and kidney failure.

INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache.

ACUTE HEALTH HAZARDS: See above

CHRONIC HEALTH HAZARDS: See Above

EFFECTS OF EXPOSURE: See Above

CARCINOGENICITY

None

SECTION 4: FIRST AID MEASURES

EYES: Flush with large amounts of water for 15 minutes lifting upper and lower lids occasionally. Seek medical attention.

SKIN: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

INGESTION: If swallowed, give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Consult a physician.

INHALATION: Remove person from the contaminated area to fresh air. If breathing is difficult, give Oxygen. Contact physician if symptoms develop.

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

FLAMMABLE LIMITS IN AIR, UPPER: n/a
(% BY VOLUME) LOWER: n/a

FLASH POINT: n/a

METHOD USED: n/a

AUTOIGNITION TEMPERATURE: n/a

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 OTHER: None

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 PROTECTION: see section 8

EXTINGUISHING MEDIA: Regular foam, carbon dioxide, or dry chemical. Water may be used to reduce the rate of burning and for cooling containers.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus with full face piece operated in a pressure-demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers cool to prevent rupture. Floor will become slippery if material is released.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition in the presence of air yields carbon monoxide and/or carbon dioxide as well as compounds of Zinc and Aluminum.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Contain and/or absorb spill with suitable material. Collect and dispose in accordance with applicable regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Keep containers tightly closed. Store in cool, dry, well-ventilated area. Protect from physical damage. Protect from extreme temperatures. Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : Use with adequate ventilation.

RESPIRATORY PROTECTION: None required. An MSHA / NIOSH approved half-mask, air-purifying respirator (or equivalent),
OR,
MSHA / NIOSH approved self-contained breathing apparatus (or equivalent) in the positive pressure mode,
OR,
MSHA / NIOSH approved full-face piece airline respirator (or equivalent) in the positive pressure mode with emergency escape provisions.

EYE PROTECTION: Safety glasses with side shields or chemical splash goggles recommended.

SKIN PROTECTION: Chemical protective gloves are recommended to prevent skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: As needed to prevent skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White liquid
ODOR: Paint-like odor
PHYSICAL STATE: Liquid
pH AS SUPPLIED: > 9.0
BOILING POINT: 212 °F (100 °C)
MELTING POINT: n/a
FREEZING POINT: 32 °F (0 °C)
VAPOR PRESSURE (mmHg): n/a
VAPOR DENSITY (AIR = 1): > 1
SPECIFIC GRAVITY (H₂O = 1): > 1
EVAPORATION RATE: Slower than ether
SOLUBILITY IN WATER: Dispersible
PERCENT SOLIDS BY WEIGHT: > 60%
VOLATILE ORGANIC COMPOUNDS (VOC):
 WITH WATER: < 0.35 lbs/gal (< 50 g/l)

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID (STABILITY): Extreme temperatures
INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents, strong acids or bases, and selected amines
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition in the presence of air yields carbon monoxide and/or carbon dioxide as well as compounds of Zinc and Aluminum.
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID (POLYMERIZATION): n/a

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: n/a

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: n/a

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with all Federal, State, and local government regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

Not Restricted

WATER TRANSPORTATION

Not Restricted

AIR TRANSPORTATION

Not Restricted

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components are on the Inventory

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): n/a

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): n/a

311/312 HAZARD CATEGORIES: n/a

313 REPORTABLE INGREDIENTS:

Ethylene Glycol	CAS: 107-21-1	< 2 % (by weight)
-----------------	---------------	-------------------

STATE REGULATIONS: n/a

INTERNATIONAL REGULATIONS: n/a

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: n/a

PREPARATION INFORMATION:

PREPARATION DATE: 06/10/09

This information is furnished without warranty, expressed, or implied, except that it is accurate to the best knowledge of NCFI. The data on this sheet relates only to the specific material designated herein. NCFI assumes no legal responsibility for use or reliance upon these data.