



MSDS

Material Safety Data Sheet

DATE PREPARED: 3/7/12

MANUFACTURER'S NAME: GARON PRODUCTS INC., PO Box 1924, Wall, NJ 07719-1924, 800-631-5380 FAX: 732-223-2002

EMERGENCY PHONE NO: CHEMTREC 800-424-9300

SECTION I - IDENTIFICATION

PART A

TRADE NAME: NU-STAIR

PRODUCT CLASS: ACRYLIC RESIN

PRODUCT CODE: 10702

DESCRIPTION: CONCRETE STAIR REPAIR

HAZARD RATING		
0 = Least	Health	1
1 = Slight	Flammability	0
2 = Moderate	Reactivity	0
3 = High	Personal Protection	B
4 = Extreme		

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	OSHA STEL	NIOSH REL	NIOSH STEL	WT %
Aqua Ammonia CAS# 1336-21-6	35 mg/m ³	27 mg/m ³	18 mg/m ³	27 mg/m ³	<=0.2%
Water CAS# 7732-18-5					52-54%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	100°C (212°F)	Specific Gravity (H ₂ O-1)	
Vapor Pressure (mm Hg):	17.0 mm Hg @ 20°C (68°F)	Melting Point:	0°C (32°F)
Relative Vapor Density:	<1.0 Water	Evaporation Rate:	<1 Water
Solubility in Water:	Dilutable		
Appearance and Odor	White milky liquid with ammonia odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Noncombustible	Method Used:	NA
Flammable Limits in Air by Volume	Lower:	NA	Upper: NA
Extinguishing Media	Use extinguishing media appropriate for surrounding fire.		
Special Firefighting Procedures	Material can splatter above 100°C (212°F). Dried product can burn. Thermal decomposition may yield acrylic monomers.		
Unusual Fire and Explosion Hazards	Wear self-contained breathing apparatus and protective suit.		

SECTION V - REACTIVITY DATA

Stability	Stable
Conditions to avoid	None Known.
Incompatibility (Materials to avoid)	There are no known materials which are incompatible with this product.
Hazardous Decomposition or By-Products	
Hazardous Polymerization	Will not occur.



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SECTION VI - HEALTH HAZARD DATA A. Health risks and symptoms of exposure	
Inhalation	Irritation of the nose, throat, and lungs. Headache, Nausea
Skin Contact	Slight Irritation.
Eye Contact	Slight Irritation.
Skin Absorption	Slight Irritation.
Ingestion	Irritation to gastrointestinal tract.

B. Health hazards (acute & chronic): Inhalation of vapor or mist can cause headache, nausea and irritation of the nose, throat, and lungs. May cause eye/skin irritation.	
Medical conditions generally aggravated by exposure	None known.

C. Emergency & First Aid Procedures	
Eyes	Flush with plenty of clean water.
Skin	Wash thoroughly with soap and water. Seek medical attention if irritation persists.
Inhalation	Leave area to obtain fresh air. Seek medical attention.
Ingestion	Dilute with 1 to 2 glasses of water and seek medical attention. Never give anything by mouth to an unconscious person.

SECTION VII - SAFE HANDLING & USE INFORMATION	
Steps to be taken in case material is released or spilled	Use personal protective equipment. Keep people away from upwind of spill/leak. Material can create slippery conditions. Contain small spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate containers for recovery or disposal.
Waste disposal method	Dispose of material in a waste disposal site in accordance with local, state and federal laws.
Precautions to be taken in handling and storing	Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist, or gas. Keep from freezing. Product stability may be affected. Stir well before use. Storage temperature should be 1-49°C (34-120°F). Monomer vapors can be evolved when material is heated during process operations.
Other precautions	Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION	
Respiratory protection	A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. For airborne concentrations up to 10 times the exposure limit, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) ammonia/methylamine cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.
Ventilation	Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.
Protective gloves	The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves
Eye protection	Safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.
Other protective clothing or equipment	Facilities storing or utilizing this material should be equipped with an eyewash facility.
Work/hygienic practices	Wear full length clothing



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SECTION I – IDENTIFICATION

PART B

TRADE NAME: NU-STAIR

PRODUCT CLASS: PORTLAND CEMENT

PRODUCT CODE: 10702

DESCRIPTION: CONCRETE STAIR REPAIR

HAZARD RATING		
0 = Least	Health	1
1 = Slight	Flammability	0
2 = Moderate	Reactivity	0
3 = High	Personal Protection	E
4 = Extreme		

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	WT %
Silica, Crystalline Quartz CAS # 14808-60-7	$10\text{mg}/\text{m}^3$ Respirable Respirable % Silica +2 $30\text{mg}/\text{m}^3$ Total Respirable % Silica +2	$0.1\text{mg}/\text{m}^3$ Respirable	N/A	60

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	NA	Specific Gravity (H ₂ O=1):	2.90
Vapor Pressure (mm Hg):	NA	Melting Point:	
Vapor Density (Air = 1)	NA	Evaporation Rate:	
Solubility in Water:	Insoluble		
Appearance and Odor	Fine powder and granular material, gray color, no odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	Non-flammable, non-combustible or explosive		
Method Used	None		
Flammable Limits in Air by Volume	Lower: None	Upper: None	
Extinguishing media	None	Special Firefighting procedures	None
Unusual Fire and Explosion Hazards	NA		

SECTION V - REACTIVITY DATA

Stability	Stable		
Conditions to avoid	None	Incompatibility (Materials to avoid)	None
Hazardous Decomposition or By-Products	None		
Hazardous Polymerization	Will not occur.		



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SECTION VI - HEALTH HAZARD DATA			
A. Health risks and symptoms of exposure			
Inhalation	Dust can irritate the upper respiratory system.		
Skin Contact	Material can dry the skin and cause alkali burns.		
Eye Contact	Dust can irritate the eyes.		
Skin Absorption	NA		
Ingestion	Irritation of gastrointestinal tract.		
B. Health Hazards (Acute & Chronic): Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure in certain occupations such as sandblasters. Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death. Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis).			
Medical Conditions Generally Aggravated by Exposure		Pulmonary function may be reduced by inhalation of respirable crystalline silica.	
Carcinogenicity	OSHA: NO	NTP: NO	IARC: YES

C. Emergency & First Aid Procedures	
Eyes	Wash immediately with water. If irritation persists, seek medical attention.
Skin	Wash thoroughly with soap and water.
Inhalation	For gross inhalation remove person to fresh air, give artificial respiration as needed. Seek medical attention as needed.
Ingestion	

SECTION VII - SAFE HANDLING & USE INFORMATION	
Steps to be taken in case material is released or spilled	Vacuum into a closeable container or flush with water. Do not sweep.
Waste disposal method	Can be salvaged for use if not contaminated or removed as common waste
Precautions to be taken in handling and storing	Store in a cool, dry area.
Other precautions	Use adequate ventilation

SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION	
Respiratory protection	NIOSH approved respirator.
Ventilation	Local exhaust.
Protective Gloves	Optional.
Eye Protection	Safety Glasses.
Other Protective Clothing or Equipment	Eye wash facility.
Work / Hygienic Practices	Wear full-length clothing.

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