



# MSDS

## Material Safety Data Sheet

DATE PREPARED: 3/8/13

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

TRADE NAME: THINSET BONDING LIQUID

PRODUCT CLASS:

PRODUCT CODE: 30302, 30338

DESCRIPTION: ADVANCED HIGH BOND LIQUID POLYMER

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

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

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	100°C (212°F)	Specific Gravity (H <sub>2</sub> 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:
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.

### 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.



## MSDS

### Material Safety Data Sheet

DATE PREPARED: 3/8/13

<b>B. Health Hazards (Acute &amp; Chronic):</b> Inhalation of vapor or mist can cause headache, nausea and irritation of the nose, throat, and lungs. May cause eye/skin irritation.			
Carcinogenicity	OSHA Regulated: NO	NTP: NO	IARC Monographs: NO
No listed ingredients of this product are regulated as carcinogens. See health hazards acute and chronic for additional information concerning this product.			
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

Garon products are sold with the understanding that the buyer will test them in actual use and determine for himself their adaptability to his intended use. However, since such use is beyond our control, we do not guarantee the results to be obtained in the customer's processes. The information contained in this brief is advisory only, and the use of the materials and methods is solely at the risk of the user. These recommendations and suggestions for the use of our materials are in accordance with Garon standards. There are no other warranties by Garon of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product, and under no circumstances, either expressed or implied, will GARON PRODUCTS, INC. be liable for damages in excess of the purchase price of this product. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by the officers of manufacturer and direct purchaser or Garon distributor of manufacturer's material.