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REVISION DATE: 02-01-2008 SUPERSEDES: 03/15-2004 SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION COMPANY INFORMATION HAR Adhesive Technologies 60 South Park Bedford, Ohio 44146 Phone: 440-786-7185 Medical Emergency Phone Number (24 Hours): 1-888-853-1758 Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300 PRODUCT INFORMATION PRODUCT NUMBER: H-RX0586 PRODUCT DESCRIPTION: Latex SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for any additional exposure limit guidelines. Chemical Name CAS # PERCENT OSHA PEL Ammonium Hydroxide 7664-41-7 .00129 TWA 50 ppm ACGIH TLV 25ppm SECTION 3: HAZARDS IDENTIFICATION EMERGENCY OVERVIEW HMIS RATING: HEALTH -- 1 FLAMMABILITY -- 0 REACTIVITY -- 0 See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations. POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY EYE: No irritation hazard in normal industrial use. SKIN: No irritation hazard in normal industrial use. INHALATION: Can cause minor respiratory irritation. INGESTION: Ingestion is not an anticipated route of exposure. LONG-TERM (CHRONIC) HEALTH EFFECTS TARGET ORGAN(S): No organs known to be damaged from exposure to this product REGULATED CARCINOGEN STATUS: Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens. EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: No known effects on other illnesses H-RX0586 Page 2 of 4 02-01-2008 MATERIAL SAFETY DATA SHEET

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SECTION 4: FIRST AID MEASURES IF IN EYES: None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard IF ON SKIN: Wash with soap and water. IF VAPORS INHALED: This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure IF SWALLOWED: No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal. SECTION 5: FIRE FIGHTING MEASURES FLASH POINT: Non flammable AUTOIGNITION TEMPERATURE: Not established LOWER EXPLOSIVE LIMIT (% in air): Not established UPPER EXPLOSIVE LIMIT (% in air): Not established EXTINGUISHING MEDIA: Use water spray, foam, dry chemical or carbon dioxide. UNUSUAL FIRE AND EXPLOSION HAZARDS: There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers. SPECIAL FIRE FIGHTING INSTRUCTIONS: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, Carbon monoxide SECTION 6: ACCIDENTAL RELEASE MEASURES SPECIAL PROTECTION: No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this MSDS. CLEAN-UP: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product

out of sewers, watersheds, or water systems. Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300 SECTION 7: HANDLING AND STORAGE Handling: No special handling instructions due to toxicity. This product contains limited amounts of residual monomer. Under normal handling and use conditions the residual monomer should not present a hazard. In storage the monomer will migrate from the emulsion and establish an equilibrium between the headspace in the storage container and the liquid emulsion. Levels in excess of acceptable exposures can accumulate in non-vented headspaces above the emulsion. All procedures appropriate for a confined space entry should be completed prior to performing any work in a bulk storage tank. Storage: Store in a cool, dry place. Consult the Technical Data Sheet for specific storage instructions. H-RX0586 Page 3 of 4 02-01-2008 MATERIAL SAFETY DATA SHEET

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION EYE PROTECTION: No special requirements under normal industrial use SKIN PROTECTION: Not normally considered a skin hazard. 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 GLOVES: Not normally required. Use nitrile gloves if conditions warrant. RESPIRATORY PROTECTION: No respiratory protection required under normal conditions of use. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134). VENTILATION: No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use. EXPOSURE LIMITS: Chemical Name ACGIH EXPOSURE LIMITS AIHA WEEL Ammonium Hydroxide TWA 50 ppm TLV 25 ppm Not established SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES PHYSICAL STATE: Liquid COLOR: Creamy ODOR: Ammonia ODOR THRESHOLD: Not established WEIGHT PER GALLON (lbs.): 8.0 SPECIFIC GRAVITY: .95 SOLIDS (% by weight): 58.5 - 61.5 pH: 9.7-10.5 BOILING POINT (deg. C): 212 deg F FREEZING/MELTING POINT (deg. C): Not established VAPOR PRESSURE (mm Hg): Not established VAPOR DENSITY: Not established EVAPORATION RATE: Not established OCTANOL/WATER COEFFICIENT: Not established SECTION 10: STABILITY AND REACTIVITY STABILITY: Stable under normal conditions. CHEMICAL INCOMPATIBILITY: Not established HAZARDOUS POLYMERIZATION: Will not occur. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide SECTION 11: TOXICOLOGICAL INFORMATION CHEMICAL NAME LD50/LC50 Ammonium Hydroxide Not established TOXICOLOGY SUMMARY: No additional health information available. H-RX0586 Page 4 of 4 02-01-2008 MATERIAL SAFETY DATA SHEET

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SECTION 12: ECOLOGICAL INFORMATION OVERVIEW: No ecological information available SECTION 13: DISPOSAL CONSIDERATIONS To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements. SECTION 14: TRANSPORTATION INFORMATION Consult Bill of Lading for transportation information. DOT: NOT REGULATED SECTION 15: REGULATORY INFORMATION INVENTORY STATUS U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements. CANADIAN CEPA DSL: This product is in compliance with the Canadian Domestic Substance List requirements. FEDERAL REPORTING EPA SARA Title III Section 313 Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of

1986 (SARA) and 40 CFR part 72. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations. Chemical Name CAS# % Ammonium Hydroxide 7664-41-7 .00129 STATE REPORTING California Proposition 65: Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986 This product contains chemical (s) known to the state of California to cause cancer (c) or reproductive (r) damage. <0.0004% Formaldehyde (c) 50-00-0 listed January 1, 1988 0.0042% Sodium o-phenyl phenate (c) 132-27-4 listed January 1, 1990 WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System. SECTION 16: ADDITIONAL INFORMATION This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).