

SECTION I - IDENTIFICATION

PRODUCT NAME : AR-01
PRODUCT CODE : AR-01
DESCRIPTION : Acrylic Copolymer
HAZARDOUS CLASSIFICATION: Flammable liquid
PROPER SHIPPING NAME : Flammable liquid, n.o.s.
SHIPPING DESCRIPTION : Flammable liquid, n.o.s. 3, UN 1993, PG II (contains toluene)

H.M.I.S RATINGS:

H	F	R	P
1	2	0	G

SECTION II - MANUFACTURER

MANUFACTURER'S NAME : Schnee-Morehead, Inc.
STREET ADDRESS : 111 North Nursery Road, Irving, Texas
INFORMATION PHONE : 972-438-9111 **EMERGENCY PHONE** : 800-424-9300
DATE PREPARED : March 10, 2010 **SUPERSEDES DATE** : March 4 2004

SECTION III - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENT (WGT)
Toluene	108-88-3	-	50 ppm TWA	188 mg/m3 TWA	32%
Acrylic Resin	Proprietary	N.E.	N.E.		

SECTION IV - PHYSICAL PROPERTIES

SPECIFIC GRAVITY (H₂O=1) : 1.03 **BOILING POINT** : 231°F (Toluene)
NONVOLATILE (% WEIGHT) : 68% **MELT/FREEZE PT** : N/A
SOLUBILITY IN WATER : Slight **VAPOR DENSITY** : 3.2 (air=1)
EVAPORATION RATE (BuAc=1) : 1.9 **VAPOR PRESSURE** : 28.5 mm (Toluene)
VOLATILE ORGANIC CONTENT : 2.44 lbs/gal, 292.99 g/l
APPEARANCE/ODOR : Clear viscous solution - aromatic odor

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : 26°F **METHOD USED** : Tag Closed Cup (ASTM D56-87)
FLAMMABLE LIMITS IN AIR BY VOLUME **LOWER** : 1.27 (Toluene) **UPPER** : 7.1 (Toluene)
EXTINGUISHING MEDIA : Use carbon dioxide, dry chemical, foam or water spray.
SPECIAL FIREFIGHTING PROCEDURES : If potential for exposure to vapors or products of combustion exists, wear complete personal protective gear and respirator approved by both NIOSH and MSHA. Wear self-contained or supplied air breathing apparatus with full facepiece operated in pressure demand or other positive mode.
UNUSUAL FIRE AND EXPLOSION HAZARD : Due to residual monomers contained within this product, this material may produce a floating fire hazard in extreme fire conditions. When exposed to extreme heat, as in a fire, it may polymerize and rupture a closed container.

SECTION VI - REACTIVITY DATA

STABILITY : Stable
CONDITIONS TO AVOID : This product is stable under normal conditions of storage and handling. Avoid storage in a completely inert atmosphere since some oxygen is required to inhibit polymerization.
INCOMPATIBILITY (MATERIALS TO AVOID) : Strong oxidants, strong alkalis, very strong acids. Polymerization initiators such as peroxides or azo compounds.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS : Incomplete combustion will give carbon monoxide and carbon dioxide. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.
HAZARDOUS POLYMERIZATION : Will not occur

SECTION VII - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY : **INHALATION? :** Yes **SKIN? :** Yes **INGESTION? :** Not Likely

HEALTH HAZARDS (ACUTE AND CHRONIC) : Acute: Ingestion - Can severely irritate mouth, throat and stomach. Can cause dizziness, severe difficulty breathing and nervousness. Inhalation - can irritate nasal passages, throat and lungs. Skin Contact - can cause reddening and swelling. Prolonged contact may cause blisters. Chronic: Mutagenicity - In vitro, limited evidence.

CARCINOGENICITY: **NTP?:** Not listed **IARC MONOGRAPHS?:** Not listed **OSHA REGULATED?:** Yes

SIGNS AND SYMPTOMS OF EXPOSURE: Burning sensation in the mouth and throat, nausea, vomiting, abdominal discomfort and diarrhea. Vapors are irritating to the eyes, nose and throat, and may cause dizziness, nausea, vomiting, narcosis and an immediate severe headache in some sensitive individuals. Contact with the skin can cause irritation seen as local redness and possible swelling.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Breathing of vapor and/or mist may aggravate asthma and inflammatory or fibrotic pulmonary disease. This product contains residual monomers that may produce allergic reactions in individuals sensitive to these monomers (methyl acrylate and butyl acrylate)

EMERGENCY AND FIRST AID PROCEDURES:

Skin Contact - Remove contaminated clothing and wash contaminated skin with large amounts of water. If irritation persists, contact a physician.
 Eye Contact - Flush eyes with water for at least 15 minutes. Contact a physician immediately.
 Inhalation - Remove victim from contaminated area. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact a physician immediately.
 Ingestion - Do not induce vomiting. Contact a physician immediately.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Wear suitable protective equipment. Avoid contact with liquid and vapors. Collect for disposal. Avoid discharge to sewers or waterways. Eliminate ignition sources. Place leaking containers in well ventilated area. If fire potential exists, blanket spill with foam or use water spray to disperse vapors.

WASTE DISPOSAL METHOD: Dilute with a suitable solvent and incinerate in a furnace where permitted under appropriate federal, state and local regulations. consult and follow all compliance regulations when disposing of this material.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Harmful if inhaled. Harmful if absorbed through the skin. Causes eye and skin irritation. May cause allergic skin reaction. Avoid breathing vapors. Keep away from heat and flame. Store below 80°F.

SECTION IX - CONTROL MEASURES

RESPIRATORY PROTECTION: Based on contamination level, use a respirator approved by both NIOSH and MSHA. 75 ppm - Chemical cartridge with an organic vapor cartridge. Supplied air or self contained breathing apparatus with full facepiece.

VENTILATION	LOCAL EXHAUST:	Recommended	SPECIAL :	N/A
	MECHANICAL :	If needed	OTHER :	N/A

GLOVES: Chemical resistant, neoprene **EYE PROTECTION:** Safety goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: For operations where spills or splashing can occur, use impervious body covering and boots. A safety shower and eye bath should be available.

WORK/HYGIENIC PRACTICES: Always wash hands after working with this material. Use good hygiene practices.

SECTION X - REGULATORY INFORMATION

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
 This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SARA Title III Information:
 Section 313 - Toxic Chemical
 Pursuant to section 313 of SARA Title III, this product contains one or more toxic chemicals that are present in a concentration in excess of 1 percent of the mixture (0.1 percent, if the listed toxic chemical is a carcinogen).
 Toluene



MATERIAL SAFETY DATA SHEET

Schnee-Morehead[®], Inc.

SECTION XI - DISCLAIMER

This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.

A MSDS such as this cannot be expected to cover all possible individual situations. The end user of this product has the responsibility to provide a safe workplace. All aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health and safety information contained herein should be passed on to your customers and/or employees.

The opinions expressed herein are those of qualified experts within Schnee-Morehead[®], Inc. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the use of this product are not within the control of Schnee-Morehead[®], Inc., final determination of suitability of this product is the sole responsibility of the user. It is the responsibility of the user to comply with all applicable Federal, State and Local laws and regulations.

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N/A = Not Applicable, N.A. = Not Available, N.D. = Not Determined, N/E = Not established, UNK = Unknown