

Acrylic Urethane / "AU" Codes (98 Series)

To: MSDS User

Please find enclosed the material safety data sheet as per your request. The information presented in these forms is believed to be correct and sufficient to meet the requirements of the OSHA Hazard Communication Standard 29CFR 1910.1200.

These forms should be made available to all those who handle or may otherwise be exposed to the product(s).

The supplied material safety data sheet covers the common hazardous ingredients associated with more than one product. This is supplied in accordance with 29CFR 1910.1200 paragraph (g)(4), and Cal OSHA T8 CCR section 5194 (g)(4) which states: "where complex mixtures have similar hazards and contents ...but the specific composition varies from mixture to mixture ... the manufacturer may prepare one material safety data sheet to apply to all of these similar mixtures.

This MSDS and environmental data sheet is designed to address the safe use and handling of the R.J. McGlennon Company products that are listed below. It is not intended to address specific technical properties of an individual product.

See R.J. McGlennon Co. individual **Product Data Sheets** for VOC and other specific technical data.

This MSDS (identified as 98MSD Acrylic Urethane) covers all Acrylic Urethane products (both stock and custom) which are labeled as a 98 series Acrylic Urethane.

Following is a listing of our stock products that are made in this 98 series.

Stock Products in 98 Series

AU-1000 Gloss
AU-1001 Semi-Gloss
AU-1002 Satin
AU-1003 Satin Flat

Note: This MSDS will not cover below.

See Separate MSDS for each of the following products in this series

AUS-10 Sanding Sealer (Base)

AH-1 Acrylic Urethane Hardener

PRODUCT NAME: 98 SERIES ACRYLIC URETHANE - ALL BASES
PRODUCT CODE: 98MSD

HMIS CODES: H F R P
2 3 1 H

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: R. J. McGLENNON CO. INC.
ADDRESS : 198 UTAH ST.
SAN FRANCISCO, CA 94103

EMERGENCY PHONE : (800)424-9300 **DATE REVISED : 01/01/07**
INFORMATION PHONE : (415)552-0311 **NAME OF PREPARER : J. Davis**
DATE PRINTED : 3/18/2008

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
NORMAL BUTYL ACETATE	123-86-4	10.0 68 Deg F	19.0

OSHA PEL EXPOSURE LIMIT: 150 ppm			
ACGIH TLV EXPOSURE LIMIT: 150 ppm			
OTHER EXPOSURE LIMIT: N/A			
METHYL ETHYL KETONE	78-93-3	78 68 Deg F	19.0

OSHA PEL EXPOSURE LIMIT: 200 ppm - TWA			
ACGIH TLV EXPOSURE LIMIT: 200 ppm - TWA			
OTHER EXPOSURE LIMIT: N/A			
METHYL ACETATE	79-20-9	179 20 Deg C	14.5

OSHA STEL EXPOSURE LIMIT: 250ppm			
ACGIH STEL EXPOSURE LIMIT: 250ppm			
OTHER: NIOSH TWA EXPOSURE LIMIT: 200ppm (10 Hours)			
* XYLENE	1330-20-7	5.1 68 Deg F	11.50

OSHA PEL EXPOSURE LIIMIT: 100 ppm TWA			
ACGITH TLV EXPOSURE LIMIT: 100 ppm TWA			
OSHA STEL: 150 ppm			
METHYL AMYL KETONE	110-43-0	2.14 68 Deg F	4.5

OSHA PEL EXPOSURE LIMIT: 100 ppm - TWA			
ACGIH TLV EXPOSURE LIMIT: 50 ppm - TWA			
OTHER EXPOSURE LIMIT: N/A			

* Indicates this product contains EPCRA section 313 chemical(s) subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).
This information must be included in all MSDS's that are copied and distributed for this material. WARNING: This product contains a chemical known to the state of California to cause cancer, birth defects, or other reproductive harm. This is a two component product and the MSDS is for this single component. Use this information and the MSDS information from the hardener component(AH-1 or AH-2)to determine the best method to apply the admixed product. The section II components will change percentages per the admix ratio.

WARNING: This product contains flammable solvent(s).

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 175 - 300 Deg F. **SPECIFIC GRAVITY (H2O=1): .93**
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE: SLOWER THAN ETHER**
SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE AND ODOR: OPAQUE LIQUID WITH ORGANIC SOLVENTS ODOR.

ANY SPILLS SHOULD BE SOAKED UP WITH INERT ABSORBANT AND COLLECTED IN CONTAINERS. PAINT BOOTH FILTERS MAY BE CONSIDERED HAZARDOUS.

CONTACT YOUR LOCAL HAZARDOUS WASTE AGENCY (WITH INFORMATION FROM THIS MSDS) FOR PROPER DISPOSAL INSTRUCTIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

USE ONLY WITH VENTILATION THAT KEEPS SECTION II COMPONENTS BELOW PERMISSABLE EXPOSURE LIMITS. KEEP CONTAINERS UPRIGHT AND SEALED. AVOID STORAGE ABOVE 120 Deg.F. KEEP FROM FREEZING.

OTHER PRECAUTIONS

AVOID SKIN AND EYE CONTACT. DO NOT BREATHE VAPORS. DO NOT TAKE INTERNALLY. USE ONLY WITH ADEQUATE VENTILATION. DUST FROM SANDING THE DRIED MATERIAL SHOULD BE TREATED AS NUISANCE DUST - THE USE OF A PARTICULATE DUST MASK IS RECOMMENDED. ALL PERSONS WHO USE THIS MATERIAL SHOULD READ AND UNDERSTAND ALL MANUFACTURERS' INSTRUCTIONS AND PRECAUTIONS PRIOR TO USE. THIS MATERIAL IS INTENDED FOR USE IN AN INDUSTRIAL ENVIRONMENT BY TRAINED PERSONNEL ONLY.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

Respirator Guidelines for spray application of two component acrylic urethane finishes:

Good industrial hygiene practice dictates that when isocyanate containing coatings are spray applied, some form of respiratory protection should be worn. During the spray application of coatings containing this product, the use of a supplied-air (either positive pressure or continuous flow type) respirator is mandatory when one or more of the following conditions exists:

- The airborne isocyanate concentrations are not known; or
- The airborne isocyanate monomer concentrations exceed 0.05 ppm averaged over eight (8) hours (10 times the 8 hour TWA exposure limit); or
- The airborne polyisocyanate (polymeric, oligomeric) concentrations exceed 5 mg/m3 averaged over 8 hours or 10 mg/m3 averaged over 15 minutes (10 times the 8 hour TWA or the 15 minute STEL exposure limits); or
- Operations are performed in a confined space (see OSHA Confined Space Standard, 29 CFR 1910.146).

A properly fitted air-purifying (combination organic vapor and particulate) respirator, proven by test to be effective in isocyanate-containing spray paint environments, and used in accordance with all recommendations made by the manufacturer, can be used when all of the following conditions are met:

- The airborne isocyanate monomer concentrations are known to be below 0.05 ppm averaged over eight (8) hours (10 times the 8 hour TWA exposure limit); and
- The airborne polyisocyanate (polymeric, oligomeric) concentrations are known to be below 5 mg/m3 averaged over 8 hours or 10 mg/m3 averaged over 15 minutes (10 times the 8 hour TWA or the 15 minute STEL exposure limits); and
- A NIOSH-certified (National Institute of Occupational Safety and Health) End of Service Life Indicator or a change schedule based upon objective information or data is used to ensure that cartridges are replaced before the end of their service life. In addition, prefilters should be changed whenever breathing resistance increases due to particulate buildup

VENTILATION

SUFFICIENT TO KEEP SECTION II COMPONENTS BELOW THEIR EXPOSURE LIMITS

PROTECTIVE GLOVES

IMPERVIOUS GLOVES ARE RECOMMENDED (CONSULT INDUSTRIAL HYGIENIST).

EYE PROTECTION

SAFETY GLASSES WITH SIDE SHIELDS ARE RECOMMENDED TO PREVENT CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

EYE WASH STATION. TO PREVENT REPEATED OR PROLONGED CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

WORK/HYGIENIC PRACTICES

WASH HANDS BEFORE EATING.

===== SECTION IX - DISCLAIMER =====

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