

MATERIAL SAFETY DATA SHEET

Product Name: SAG Urethane Adhesive

HMIS Codes: H F R P

2 1 1 K

SECTION I – MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: STICKY ASS GLUE, LLC

ADDRESS: 203 S. FAIR OAKS AVENUE, SUITE B, PASADENA, CA 91105

EMERGENCY PHONE: 800-424-9300

INFORMATION PHONE: 626-577-9130

DATE REVISED: 12-21-06

NAME OF PREPARER: RON ROTH

REASON REVISED: NEW FORMULATION

SECTION II – HAZARDOUS INGREDIENTS/SARA III INFORMATION

Hazardous Components	Occupational Exposure Limits			Vapor Pressure mm Hg @ Temp	Weight Percent
	CAS Number	OSHA PEL	ACGIH TLV Other		
Urethane Prepolymer**	Trade Sec.	0.02 ppm	0.005 ppm TWA	n/a	60
*Polymeric MDI (Contains 4,4' MDI, CAS # 101-68-8)	9016-87-9	0.02 ppm	.005 ppm TWA	n/a	40

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

**Exposure limits represent those established for the 4,4' MDI component of the polymeric MDI

The level of 4,4' MDI (CAS#101-68-8) present in the polymeric MDI is < 80%.

The vapor pressure of this product is less than 1×10^{-5} mm Hg at 77°F

****Exposure limits represent those established for the 4,4' MDI (CAS # 101-68-8) component of the prepolymer.**

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	Decomp. @ 646 F	Specific gravity (H2O=1): 1.1
Vapor Density:	Heavier than air	Evaporation Rate: Slower than ether
Coating V.O.C.:	N/A	
Material V.O.C.:	N/A	
Solubility in Water:	Nil, reacts with water	
Appearance and Odor:	Translucent amber syrup	

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point: >350 Deg Method Used: COC

Flammable Limits in Air by Volume - Lower: N/A Upper: N/A

Extinguishing Media: Foam, CO2, Dry chemical

SPECIAL FIREFIGHTING PROCEDURES

Firefighters must wear positive pressure self-contained breathing apparatus and full protective clothing to protect against isocyanate vapors. IF WATER IS USED, USE LARGE AMOUNTS, AS WATER WILL REACT VIGOROUSLY WITH THE HOT MATERIAL.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Down wind personnel must be evacuated. Do not reseal contaminated containers as pressure build-up may rupture them. Water contamination will produce carbon dioxide which can rupture sealed containers.

SECTION V – REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Elevated temperatures, or contamination by incompatible materials.

INCOMPATIBILITY (MATERIALS TO AVOID): water, acid, base, alcohols, metal compounds, surface active materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Isocyanate vapor and mist, CO2, CO, NO, trace of hydrogen cyanide.

HAZARDOUS POLYMERIZATION: May occur.

In presence of strong bases, water or temperature over 160°C. Water contamination gives off CO2 and may rupture containers.

SECTION VI – HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Vapor and aerosols can irritate eyes, nose, and respiratory passages. Severe overexposure can cause fluid buildup in lungs. MDI vapor can cause respiratory sensitization with asthma-like symptoms.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN: Skin sensitization and irritation may develop after repeated and/or prolonged contact with human skin.

EYES: Contact will irritate human eyes.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

This material will not normally be absorbed through human skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

LD50 for rats is probably above 5000mg/kg.

Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.

HEALTH HAZARDS (ACUTE AND CHRONIC)

EYE: May cause irritation with tearing.

SKIN: May cause skin irritation, temporary stain and allergic sensitivity.

INGESTION: May cause irritation and corrosion on the mouth and stomach tissue.

INHALATION: May cause irritation to upper respiratory tract and lungs, breathlessness, cough, respiratory sensitization.

CARCINOGENICITY:

NTP: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Respiratory symptoms, including pulmonary edema, may be delayed.

EMERGENCY AND FIRST AID PROCEDURES

Eye: Immediately irrigate with flowing water for 15 minutes. Consult a physician.

Skin: Wash off in flowing water or shower.

Ingestion: Do not induce vomiting. Seek medical attention.

Inhalation: Remove to fresh air.

Consult a physician on all above cases.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Major: Evacuate and ventilate spill area. Prevent entry into water system. Wear full protective equipment.

Minor: Absorb with inert absorbent material.

WASTE DISPOSAL METHOD

Follow all federal, state, and local regulations. Fill empty drums with water and let stand unsealed for 48 hours. Triple rinse and drain. Dispose of empty drums according to federal, state, and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store indoors at 50°F-90°F in original, unopened containers. Protect from atmospheric moisture. Replace outage with inert dry gas such as nitrogen.

OTHER PRECAUTIONS

Based on available data repeated exposures do not cause additional significant adverse effects.

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION

Atmospheric levels should be maintained below the exposure guideline. Use an approved supplied air respirator or an approved positive pressure self-contained breathing apparatus if these levels are exceeded.

VENTILATION

Provide general and/or local exhaust.

PROTECTIVE GLOVES

Use protective gloves.

EYE PROTECTION

Use safety glasses or chemical goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Selection of specific items such as gloves, boots, apron or full body-suit will depend on operation.

WORK/HYGIENIC PRACTICES

Remove contaminated clothing. Wash skin and launder clothing before use.

SECTION IX – DISCLAIMER

DISCLAIMER

All information is based upon data from manufacturer's and/or technical sources and is believed to be accurate. Conditions of use are beyond our control and therefore users are responsible for verifying this data under their own conditions to determine suitability for their purpose. Users assume all risks of use, handling, and disposal or from use of information contained herein.

This information relates only to the product designated herein and does not relate to its use in combination with any other material or in any other process.