



POLYMER ADHESIVES

MATERIAL SAFETY DATA SHEET

SECTION I

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|---|---|---|
| DISTRIBUTOR OR MANUFACTURER: Polymer Adhesives Sealant Systems, Inc. | | EMERGENCY TELEPHONE NO. CHEMTREC (800) 424-9300 |
| ADDRESS (Number, Street, City, State and ZIP Code) 501 Garrett Morris Parkway Mineral Wells, TX 76067 | | |
| CHEMICAL FAMILY: Acrylic Emulsion | PRODUCT NAME AND SYNONYMS Airseal #33 | |
| PRODUCT USE Duct Sealant / Mastic | FORMULA Proprietary | |

SECTION II - HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENTS | CAS NUMBER | % | PEL (ppm) | | | SKIN DESIGNATION | LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE) | LD50 OF INGREDIENT (SPECIFY SPECIES) |
|--|------------|-------|------------|----------|---------|------------------|--|--------------------------------------|
| | | | TWA | STEL | CEILING | | | |
| Methyl Alcohol | 67-56-1 | < 1.4 | 50 ppm | 250 ppm | 50 ppm | Yes | Oral [Rat] 5628mg/kg | Dermal [Rabbit] 15840 mg/kg |
| Ammonium Hydroxide | 1336-21-6 | < 0.6 | 25 ppm | 50 ppm | N/A | Yes | Oral [Rat] 350 mg/kg | |
| Crystalline silica (impurity)* | 14808-60-7 | < 2.3 | 0.05 mg/m3 | 10 mg/m3 | N/A | N/A | | |
| *This product is not expected to produce any unusual hazards during normal use. Exposure to high dust levels may irritate the skin, eyes, nose, throat, or upper respiratory tract. This product does not present an inhalation, ingestion, or contact health hazard unless subjected to operations such as sawing, sanding or machining which result in the generation of airborne particulate. This product contains quartz (crystalline silica) as a naturally occurring contaminant. | | | | | | | | |

SECTION III - PHYSICAL DATA

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| PHYSICAL STATE Paste | ODOR AND APPEARANCE White or gray with slight ammonia odor | VOC (grams/liter) Less Water & Exempt Solvents < 37 | ODOR THRESHOLD (ppm) N/A |
| VAPOR PRESSURE Not established | VAPOR DENSITY Not established | EVAPORATION RATE Less than 1 | BOILING POINT (°C) 100° C |
| pH 8.0 - 9.5 | SPECIFIC GRAVITY 1.3 - 1.5 | COEFF. WATER/OIL DIST. Not available | SOLUBILITY IN WATER Soluble |
| | | | FREEZING POINT 0° C |
| | | | VOLATILES BY WT. (%) 29.8 +/- 2% |

SECTION IV - FIRE AND EXPLOSION DATA

| | | | |
|---|---|---|---|
| FLAMMABILITY NO <input checked="" type="checkbox"/> IF YES UNDER WHICH CONDITIONS? | | | |
| FLASHPOINT (°C) AND METHOD N/A | AUTOIGNITION TEMPERATURE (°C) Not established | LOWER FLAMMABLE LIMIT (% BY VOLUME) Not applicable | UPPER FLAMMABLE LIMIT (%BY VOLUME) Not applicable |
| HAZARDOUS COMBUSTION PRODUCTS None | | | |
| EXPLOSION DATA N/A | SENSITIVITY TO IMPACT Not sensitive to impact | SENSITIVITY TO STATIC DISCHARGE Not sensitive to static discharge | |

NFPA CODE (REPRESENTATIVE OF THE MOST VOLATILE COMPONENTS IN THE SYSTEM)
Health - 1 Flammability -0 Reactivity - 0 Protection -1

EXTINGUISHING MEDIA
None needed in liquid state. In dry state use water, foam, carbon dioxide, or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES
Wear a self-contained breathing apparatus with a full face piece (MSHA-NIOSH Approval) with a pressure demand or other positive pressure mode when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS
None

SECTION V - REACTIVITY DATA

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|---|----------|---|--------------------------|----------------|---|---|
| CHEMICAL STABILITY | UNSTABLE | | HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID |
| | STABLE | X | | WILL NOT OCCUR | X | |
| INCOMPATIBILITY (Materials to avoid) | | | | | | Avoid sanding, blasting, sawing, machining or other activity that may generate air borne particulates |
| Oxidizing agents or materials that react with water | | | | | | |
| HAZARDOUS DECOMPOSITION PRODUCTS Carbon Oxides, Nitrogen Oxides, Aldehydes, Various other Hydrocarbons, Hydrogen Chloride Gas, Biuret, Ammonia | | | | | | |

SECTION VI - TOXICOLOGICAL PROPERTIES

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|---|-----------------------|--|--------------------------|--|----------------------|--|
| ROUTE OF ENTRY: SKIN CONTACT [] SKIN ABSORPTION [] EYE CONTACT [] INHALATION [] INGESTION [] | | | | | | |
| EFFECTS OF ACUTE EXPOSURE TO PRODUCT | | | | | | |
| No evidence | | | | | | |
| EFFECTS OF CHRONIC EXPOSURE TO PRODUCT | | | | | | |
| No evidence | | | | | | |
| EXPOSURE LIMITS | IRRITANCY OF PRODUCT | | SENSITIZATION TO PRODUCT | | CARCINOGENICITY | |
| See PEL | No evidence | | None known | | No evidence | |
| TERATOGENICITY | REPRODUCTIVE TOXICITY | | MUTAGENICITY | | SYNERGISTIC PRODUCTS | |
| No evidence | No evidence | | No evidence | | None known | |

SECTION VII - PREVENTATIVE MEASURES

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|--|-----------------------------------|---|
| PERSONAL PROTECTIVE EQUIPMENT | | |
| GLOVES (SPECIFY) | RESPIRATOR (SPECIFY) | EYE (SPECIFY) |
| Impermeable Gloves | None required in ventilated area | Follow good industrial practices by wearing safety glasses. |
| FOOTWEAR (SPECIFY) | CLOTHING (SPECIFY) | OTHER (SPECIFY) |
| Follow good industrial practices. | Follow good industrial practices. | N/A |
| ENGINEERING CONTROLS (SPECIFY, E.G., VENTILATION, ENCLOSED PROCESS) | | |
| General good ventilation is recommended | | |
| LEAK OR SPILL PROCEDURE | | |
| In confined space, a NIOSH approved respirator should be worn. | | |
| WASTE DISPOSAL | | |
| In accordance with Federal, State, and local regulations. | | |
| HANDLING PROCEDURES AND EQUIPMENT | | |
| Wash hands with soap and water before eating or drinking, launder clothing. | | |
| STORAGE REQUIREMENTS | | |
| Keep containers cool, dry, and away from heat. Store with adequate ventilation. Do not pressurize, cut, grind, or weld containers. | | |
| SPECIAL SHIPPING INFORMATION | | |
| Class 55, Item number 4620, Sub 5 | | |

SECTION VIII - FIRST AID MEASURES

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|----------------------|--|
| SPECIFIC MEASURES | |
| Eye Contact: | Flush eyes with running water for 15 minutes, get medical attention. |
| Skin Contact: | Flush skin with running water, wash with soap and water. |
| Inhalation: | Remove to well ventilated area. |
| Ingestion: | Do not induce vomiting. Get medical attention immediately. |

SECTION IX - SARA Section 313 SUPPLIER NOTIFICATION

| CAS NUMBER | CHEMICAL NAME | PERCENT BY WEIGHT | CAS NUMBER | CHEMICAL NAME | PERCENT BY WEIGHT |
|------------|--------------------------------|-------------------|------------|---------------|-------------------|
| 67-56-1 | Methyl Alcohol | < 1.4 | | | |
| 1336-21-6 | Ammonium Hydroxide | < 0.6 | | | |
| 14808-60-7 | Crystalline silica (impurity)* | < 2.3 | | | |

SECTION X - PREPARATION INFORMATION

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|---------------------------------------|----------------|-----------|------------|--------------------------------------|
| PREPARED BY (GROUP, DEPARTMENT, ETC.) | PHONE NUMBER | DATE | CHANGE NO. | SUPERSEDES ALL PREVIOUS PUBLICATIONS |
| Research and Development | (940) 328-9500 | 2/28/2012 | 7 | |