

**Section 1 - Identification**

- 1.1 Product Identifier:** ProTac™ Acrylic Emulsion Adhesive
- 1.2 General Use:** Skin cosmetics, bonding adhesive
- 1.3 Manufacturer:** The Monster Makers, Inc.,
13597 West Parkway Rd., Cleveland, OH 44135
Phone: (216) 671-8700
sales@monstermakers.com
- 1.4 Emergency Contact:** Chem-Tel
Domestic: 800-255-3924 International 813-248-0585

Section 2 - Hazards

- 2.1 Classification of the substance or mixture**
Not a hazardous substance or mixture according to United States Occupational Safety and Health Administration (OSHA) 2012 Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) and Regulation (EC) No 1272/2008 and subsequent amendments.
- 2.2 GHS Label elements, including precautionary statements**
Pictograms: none
Signal Word: none
General
Precautions: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Hazards not otherwise classified (HNOC) or not covered by GHS**Section 3 - Composition / Information on Ingredients****3.1 Substances**

| Name | CAS# | % by Weight |
|------------------------------|---------------|----------------|
| Acrylic Polymer(s) | Not hazardous | >=56.0 – 58.0% |
| Individual residual monomers | Not Required | <0.1% |
| Aqua ammonia | 1336-21-6 | <=0.1% |
| Water | 7732-18-5 | >=42.0 – 44.0% |

Section 4 - First Aid Measures

- 4.1 Description of first aid measures**
Inhalation: Move to fresh air
Eye Contact: Rinse with plenty of water. If eye irritation persists, consult a specialist.
Skin Contact: Wash with water and soap as a precaution. If skin irritation persists, call a physician.



Ingestion: Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology information.

4.3 After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5 - Fire-Fighting Measures

- 5.1 Extinguishing Media:** Use extinguishing media appropriate for surrounding fire
- 5.2 Special hazards arising from the substance or mixture:** N/A
- 5.3 Advice for firefighters:** Material can splatter above 100C/212F. Dried product can burn. Wear self-contained breathing apparatus and protective suit.

Section 6 - Accidental Release Measures

- 6.1 Personal Precautions, protective equipment and emergency procedures:**
Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.
- 6.2 Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
- 6.3 Methods and materials for containment and cleaning up:** Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

Section 7 - Handling and Storage

- 7.1 Precautions for safe handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.
- 7.2 Conditions for safe storage, including any incompatibilities:**
Keep from freezing – product stability may be affected. STIR WELL BEFORE USE.
Monomer vapors can be evolved when material is heated during processing operations.
NOTE: Formaldehyde will be generated under acidic conditions. Maintain adequate ventilation under these conditions to prevent exposure to formaldehyde above the recommended ceiling of 0.3 ppm.

Section 8 – Exposure Controls / Personal Protection

8.1 Control Parameters:

| Component | Regulation | Type of Listing | Value/Notation |
|--------------|------------|-----------------|-----------------|
| Aqua Ammonia | OSHA Z-1 | TWA | 35 mg/m3 50 ppm |
| | ACGIH | TWA | 25 ppm, Ammonia |
| | ACGIH | STEL | 35 ppm, Ammonia |

Exposure controls: Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation:



Safety Data Sheet

SDS No. PMA0

A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Respiratory Protections: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator’s use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. For airborne concentrations up to 10 times the exposure limit, wear a properly fitted NIOSH approved (or equivalent) half-mask, air purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) ammonia/methylamine cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

Hand Protection: Impervious (chemical-/oil-proof) protective gloves

Eye Protection: Safety glasses with side shield. (Goggle type if necessary)

Other Protective Clothing/Equipment: Antistatic finish long-sleeve clothing

Comments: Wash your hands and face thoroughly and gargle after handling the material.

Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

| | |
|---|--|
| Appearance: Liquid, White Odor/Threshold: Ammonia pH: 8-9 Melting Point/Freezing Point: 0C (32F) Water Low/High Boiling Point: 100C (212F) Water Flash point: Noncombustible Evaporation Rate : <1.00 Water Flammability: N/A UEL/LEL: N/A | Vapor Pressure: 170.0 mmHg at 20C (68F) Water Vapor Density (Air=1): <1.0 Water Specific Gravity (H2O=1, at 4C): N/A Water Solubility: Dilutable Partition Coefficient: N/A Auto-Ignition Temperature: N/A Decomposition Temperature: N/A Viscosity: 350 – 800 mPa.s % Volatile: 51.5 – 52.5% Water |
|---|--|

Section 10 - Stability and Reactivity

- 10.1 **Reactivity:** Stable
- 10.2 **Chemical Stability:** No self-reactivity
- 10.3 **Possibility of hazardous reactions:** Product will not undergo hazardous polymerization
- 10.4 **Conditions to avoid:** N/A
- 105. **Incompatible Materials:** There are no known materials which are incompatible with this product
- 10.6 **Hazardous Decomposition Products:** Thermal decomposition may yield acrylic monomers.

Section 11 - Toxicological Information

11.1 Information on Toxicological Effects:

| | |
|-----------------------------|-------------------------|
| Acute toxicity – Oral | LD50 Rat >5000 mg/kg |
| Acute toxicity – Dermal | LD50 Rabbit >5000 mg/kg |
| Acute toxicity – Inhalation | N/A |

Skin Corrosion/Irritation: May cause transient irritation

Serious Eye Damage/Irritation: No eye irritation



Respiratory/Skin Sensitization: N/A

Germ Cell Mutagenicity: N/A

Carcinogenicity: N/A

Reproductive Toxicity: N/A

Specific Target Organ Toxicity - Single Exposure: N/A

Specific Target Organ Toxicity - Repeated Exposure: N/A

Potential Health Effects - Miscellaneous: None known

Section 12 - Ecological Information

12.1 Ecotoxicity:

Toxicity

Acrylic Polymer(s)

Acute Toxicity to fish

No relevant data found

Aqua Ammonia

Acute toxicity to fish

Material is highly toxic to aquatic organisms on an acute bases (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested)

Acute toxicity to aquatic invertebrates

LC50, Daphnia magna (Water flea), static test, 48 Hour, 101 mg/l

12.2 Persistence and Degradability:

Acrylic polymer(s)

Biodegradability: No relevant data found

Aqua ammonia

Biodegradability: Material is expected to be readily biodegradable. Biodegradation may occur under aerobic conditions (in the presence of oxygen)

Theoretical Oxygen Demand: 3.76 mg/mg Estimated.

12.3 Bioaccumulative Potential:

Acrylic Polymer(s)

Bioaccumulation: No relevant data found.

Aqua Ammonia

Bioaccumulation: Partitioning from water to n-octanol is not applicable

12.4 Mobility in Soil: N/A

13 - Disposal Considerations

13.1 Waste Treatment Methods: Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

Section 14 - Transport Information

14.1 UN Number: N/A

14.2 UN Proper Shipping Name: N/A

14.3 Transport Hazard Class(es): N/A

14.4 Packing Group: N/A



14.5 Environmental Hazards: N/A

Section 15 - Regulatory Information

**15.1 Safety Health and environmental regulation/legislation specific for the substance or mixture:
OSHA Hazard Communication Standard**

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1919.1200)

Superfund Amendments and Reauthorization Act of 1986 Title II (Emergency Planning and Community Right-To-Know Act of 1986) Sections 311 and 312

This product is not a hazardous chemical under 29CFR 1910. 1200, and therefore is not covered by Title III of SARA.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-To-Know Act of 1986) Section 313

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

Pennsylvania

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-To-Know Act.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Section 16 - Other Information



Safety Data Sheet

GHS Compliant

SDS No. PMA0

| HMIS | |
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| F | 0 |
| R | 0 |



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Glossary: ACGIH-American Conference of Governmental Industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CASChemical Abstract Service; Chemtrec-Chemical Transportation Emergency Center (US); CHIPChemical Hazard Information and Packaging; DSL-Domestic Substances List; EC-Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRAEmergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; LEL-Lower Explosion Level; NFPA-National Fire Protection Association; OEL-Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. of Labor; PEL-Permissible Exposure Limit; SARA (Title III)-Superfund Amendments and Reauthorization Act; SARA 313-Superfund Amendments and Reauthorization Act, Section 313; SCBA-Self-Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQTexas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; UEL-Upper Explosion Level; US DOT-US Department of Transportation; WHMIS-Workplace Hazardous Materials Information System.

Disclaimer: The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of The Monster Makers, Inc. regardless of the legal theory advanced, it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use. This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH). Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and



Safety Data Sheet

GHS Compliant

SDS No. PMA0

are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.