

MATERIAL/CHEMICAL SAFETY DATA SHEET

| SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION | | | | | SECTION 3: HAZARDS IDENTIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|----------|---|--|---------|------------------------|--|-------------|------------------|----------|------------------------|---------|----|----|---|------------------------|----|----|----|---|--|--|--|--|--------------------------|--------------------------|--------------|-----------------------|---|---------------|---|--|-------------|--|---|------------|------|---|
| <p>Product Details</p> <p>Product Name: ClearSet Acrylic Powder</p> <p>Allied Item No.: 171-10000, -10005, -10015, -10020, -10030</p> <p>Chemical Name: Plasticized Poly Methacrylate</p> <p>Company Identification</p> <p>Allied High Tech Products, Inc. 2376 East Pacifica Place Rancho Dominguez, CA 90220 (310) 635-2466</p> <p>Contact Point</p> <p>Transportation for United States Chemtrec (800) 424-9300 * (202) 483-7616</p> | | | | | <p><u>Primary Route of Entry:</u> Eyes or skin (no absorption); inhalation of dusts.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT</p> <table border="1"> <thead> <tr> <th rowspan="2">Chemical Name</th> <th rowspan="2">CAS No.</th> <th colspan="2">Exposure Limits in Air</th> <th rowspan="2">Carcin. Y/N</th> </tr> <tr> <th>ACGIH TLV or TWA</th> <th>OSHA PEL</th> </tr> </thead> <tbody> <tr> <td>Dialkyl Phthalate <15%</td> <td>84-66-2</td> <td>NA</td> <td>NA</td> <td>N</td> </tr> <tr> <td>Particulates, NOC <99%</td> <td>NE</td> <td>NA</td> <td>NA</td> <td>N</td> </tr> </tbody> </table> | | | | | Chemical Name | CAS No. | Exposure Limits in Air | | Carcin. Y/N | ACGIH TLV or TWA | OSHA PEL | Dialkyl Phthalate <15% | 84-66-2 | NA | NA | N | Particulates, NOC <99% | NE | NA | NA | N | <p>SECTION 4: FIRST AID MEASURES</p> <table border="1"> <thead> <tr> <th></th> <th>Potential Health Effects</th> <th>First Aid/ Medical Info.</th> </tr> </thead> <tbody> <tr> <td>Eye Contact:</td> <td>May cause irritation.</td> <td>Flush with water for 15 minutes including under the eyelids, seek medical attention if irritation persists.</td> </tr> <tr> <td>Skin Contact:</td> <td>May cause skin irritation. May cause sensitization.</td> <td>Wash with soap and water. If irritation persists seek medical attention.</td> </tr> <tr> <td>Inhalation:</td> <td>May cause irritation of the respiratory tract.</td> <td>Remove to fresh air. Seek medical attention if discomfort persists.</td> </tr> <tr> <td>Ingestion:</td> <td>NAIF</td> <td>Rinse mouth out with water. Seek medical attention if amount was large.</td> </tr> </tbody> </table> <p>Note:</p> | | | | Potential Health Effects | First Aid/ Medical Info. | Eye Contact: | May cause irritation. | Flush with water for 15 minutes including under the eyelids, seek medical attention if irritation persists. | Skin Contact: | May cause skin irritation. May cause sensitization. | Wash with soap and water. If irritation persists seek medical attention. | Inhalation: | May cause irritation of the respiratory tract. | Remove to fresh air. Seek medical attention if discomfort persists. | Ingestion: | NAIF | Rinse mouth out with water. Seek medical attention if amount was large. |
| Chemical Name | CAS No. | Exposure Limits in Air | | Carcin. Y/N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ACGIH TLV or TWA | OSHA PEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dialkyl Phthalate <15% | 84-66-2 | NA | NA | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Particulates, NOC <99% | NE | NA | NA | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Potential Health Effects | First Aid/ Medical Info. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye Contact: | May cause irritation. | Flush with water for 15 minutes including under the eyelids, seek medical attention if irritation persists. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin Contact: | May cause skin irritation. May cause sensitization. | Wash with soap and water. If irritation persists seek medical attention. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inhalation: | May cause irritation of the respiratory tract. | Remove to fresh air. Seek medical attention if discomfort persists. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ingestion: | NAIF | Rinse mouth out with water. Seek medical attention if amount was large. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SECTION 5: FIRE FIGHTING MEASURES</p> <p><u>Extinguishing Media:</u> Foam, carbon dioxide, dry chemical or water.</p> <p><u>Fire Fighting Instruction:</u> Wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus with full facepiece. Avoid extinguishing methods, which may generate dust clouds.</p> <p><u>Special Hazards:</u> Water stream can disperse dust in air, producing a fire hazard and possible explosion hazard if exposed to ignition source. Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SECTION 6: ACCIDENTAL RELEASE MEASURES</p> <p>Sweep up to avoid slipping hazard. Keep airborne particulate at a minimum when cleaning up spills.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.</p> | | | | <p>HMIS Ratings</p> <p>Health: 1 Flammability: 1 Reactivity: 0</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Page 1 of 2:</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|---|---|
| <p>SECTION 7: HANDLING & STORAGE</p> | <p>SECTION 12: ECOLOGICAL INFORMATION</p> |
| <p><u>Handling:</u> Avoid contact with skin, clothing and eyes. Avoid breathing dust. Observe good housekeeping practices.</p> <p><u>Storage:</u> Keep only in original container and store in cool (preferably not exceeding 95°F (35°C)), dry place. Keep container closed to prevent water absorption and contamination.</p> | <p>NA</p> |
| <p>SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION</p> | <p>SECTION 13: DISPOSAL INFORMATION</p> |
| <p><u>Engineering Measures:</u> General and/or local exhaust ventilation.</p> <p><u>Respiratory Protection:</u> Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p><u>Protective Gloves:</u> Impervious gloves and apron.</p> <p><u>Eye Protection:</u> Safety glasses or chemical splash goggles.</p> <p><u>Other:</u> Eye wash and shower facility should be available.</p> | <p>May be disposed of in landfill or incinerated. Dispose of waste material according to Federal, State and Local regulations.</p> |
| <p>SECTION 9: PHYSICAL & CHEMICAL PROPERTIES</p> | <p>SECTION 14: TRANSPORT INFORMATION</p> |
| <p>Appearance: Fine, clear powder Odor: Faint odor in bulk Solubility: Insoluble Boiling Point: NA Melting Point: NA Flash Point: 580°F (304°C) Vapor Pressure: NA Vapor Density: NA Evaporation Rate: NA Specific Gravity: 1.25 Flammable Limits LEL: NA Flammable Limits UEL: NA</p> | <p><u>DOT Shipping Name:</u> Synthetic Gum Resin Granular, NOIBN</p> |
| <p>SECTION 10: STABILITY & REACTIVITY</p> | <p>SECTION 15: REGULATORY INFORMATION</p> |
| <p><u>Conditions to Avoid/Incompatibles:</u> Heating above 464°F (240°C) and strong oxidizing agents.</p> <p><u>Decomposition Products:</u> Methyl methacrylate monomer and oxides of carbon.</p> <p><u>Hazardous Polymerization:</u> Will not occur.</p> | <p><u>Canadian WHMIS:</u> This product has been classified in accordance with the hazardous criteria of the CPR and the MSDS.</p> <p><u>Risk Statements:</u> R36/37 - Irritating to eyes and respiratory system. R43 May cause sensitization by skin contact.</p> <p><u>Safety Statements:</u> S3 Keep in a cool place. S7/8 Keep container tightly closed and dry. S20-21 When using do not eat, drink or smoke. S22 Do not breathe dust. S24/25 Avoid contact with skin and eyes. S37/39 Wear suitable gloves and eye/face protection.</p> |
| <p>SECTION 11: TOXICOLOGICAL INFORMATION</p> | <p>SECTION 16: OTHER INFORMATION</p> |
| <p>NA</p> | <p>Legend NAIF: No Applicable Information Found NA: Not Available/Applicable NE: None Established</p> <p>DISCLAIMER: The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. ALLIED HIGH TECH PRODUCTS, INC. makes no warranty, either express or implied, as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer/distributor shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.</p> |
| <p>Page 2 of 2:</p> | <p>Form Prepared By: Allied High Tech Products, Inc. January 2011</p> |

MATERIAL/CHEMICAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Details

Product Name: ClearSet Acrylic Liquid

Allied Item No.: 171-10000, -10010, -10015,
-10025, -10035, -10036

Chemical Name: Methyl Methacrylate Monomer

Company Identification

Allied High Tech Products, Inc.
2376 East Pacifica Place
Rancho Dominguez, CA 90220
(310) 635-2466

Contact Point

Transportation for United States
Chemtrec (800) 424-9300 * (202) 483-7616

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT

| Chemical Name | CAS No. | Exposure Limits in Air | | Carcin. Y/N |
|------------------------------|---------|------------------------|-----------------------|-------------|
| | | ACGIH TLV or TWA | OSHA PEL | |
| Methyl Methacrylate >95% | 80-62-6 | 100 ppm/ 410 mg/m3 | 100 ppm/ 410 mg/m3 | N |
| N,N-dimethyl-p-toluidine <2% | 99-97-8 | NE | NE | N |

Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.

HMIS Ratings

Health: 2
Flammability: 3
Reactivity: 2

SECTION 3: HAZARDS IDENTIFICATION

Highly Flammable

Repeated exposure to high levels produces adverse effects on the heart, lungs, liver and kidneys.

SECTION 4: FIRST AID MEASURES

| | Potential Health Effects | First Aid/ Medical Info. |
|---------------|--|---|
| Eye Contact: | Irritating to eyes. High vapor concentration will cause irritation. | Flush with water for 15 minutes including under the eyelids, seek medical attention immediatly |
| Skin Contact: | May cause skin sensitization. Irritating to skin. Repeated and/or prolonged contact may cause dermatitis. | Remove contaminated clothing. Wash with soap and water. If irritation occurs seek medical attention. |
| Inhalation: | Irritating to respiratory system. High atmospheric concentrations may lead to irritation of the respiratory tract, dizziness, headache and anesthetic effects. | Remove to fresh air. Keep warm - obtain immediate medical attention. |
| Ingestion: | Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract. | Rinse mouth out with water, and give half a pint of water to drink. Do not induce vomiting. Obtain medical attention. |

Note:

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Alcohol foam, carbon dioxide, dry chemical or water.

Fire Fighting Instruction: Wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus with full facepiece. Keep fire exposed containers cool by spraying with water.

Special Hazards: Product highly flammable. May polymerize on heating. Sealed containers may rupture explosively if hot. Keep exposed containers cool with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition. Ensure suitable personal protection during removal of spillages. Prevent entry into drains. Contain with absorbent material such as clay, soil or any commercially available absorbent. Do not absorb onto sawdust or other combustible materials. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

| | |
|---|--|
| <p>SECTION 7: HANDLING & STORAGE</p> | <p>SECTION 12: ECOLOGICAL INFORMATION</p> |
| <p><u>Handling:</u> Avoid contact with skin, clothing and eyes. Avoid breathing vapors. Observe good housekeeping practices.</p> <p><u>Storage:</u> Keep only in original container. Store in cool (preferably not exceeding 77°F (25°C)), dry place away from heat, sparks, flame and direct sunlight. Keep container closed to prevent water absorption and contamination. Keep away from sources of ignition.</p> | <p><u>28 Day Biodegradation Study:</u> Ultimately biodegradable (88% within 28 days) under aerobic conditions.</p> <p><u>Absorption/Desorption:</u> Very highly mobile, not absorbed into soil. Rapidly hydrolyzed at alkaline pH. MMA is rapidly dissipated, t1/2<1 day.</p> |
| <p>SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION</p> | <p>SECTION 13: DISPOSAL INFORMATION</p> |
| <p><u>Engineering Measures:</u> General and/or local exhaust ventilation.</p> <p><u>Respiratory Protection:</u> Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p><u>Protective Gloves:</u> Impervious PVA /Polyethylene gloves and apron.</p> <p><u>Eye Protection:</u> Safety glasses or chemical splash goggles.</p> <p><u>Other:</u> Eye wash and shower facility should be available.</p> | <p>Incinerate under approved controlled conditions, using incinerators suitable for the disposal of methyl methacrylate. Dispose of waste material according to Federal, State and Local regulations. Decontaminate empty drums before recycling.</p> |
| <p>SECTION 9: PHYSICAL & CHEMICAL PROPERTIES</p> | <p>SECTION 14: TRANSPORT INFORMATION</p> |
| <p>Appearance: Colorless liquid Odor: Characteristic strong and acrid Solubility: 1.6% gm @ 68°F (20°C) Boiling Point: 214°F (101°C) Melting Point: NA Flash Point: 52°F (11°C) Vapor Pressure: 29 mm/Hg @ 68°F (20°C) Vapor Density: 3.5 @ 60°F (15.5°C) Evaporation Rate: 3.0 Specific Gravity: 0.94 Flammable Limits LEL: 2.1 Flammable Limits UEL: 12.5</p> | <p><u>DOT Shipping Name:</u> Flammable liquid, n.o.s.</p> <p><u>DOT Hazard Class:</u> 3</p> <p><u>DOT Packing Group:</u> II</p> <p><u>DOT UN Number:</u> UN1993</p> |
| <p>SECTION 10: STABILITY & REACTIVITY</p> | <p>SECTION 15: REGULATORY INFORMATION</p> |
| <p><u>Conditions to Avoid/Incompatibles:</u> Susceptible to polymerization initiated by prolonged heating or the presence of catalyst. Polymerization catalysts, such as peroxy or azo compounds, strong acids, alkalis and oxidizing agents.</p> <p><u>Decomposition Products:</u> Does not decompose up to 790°F (421°C).</p> <p><u>Hazardous Polymerization:</u> May occur.</p> | <p><u>Canadian WHMIS:</u> This product has been classified in accordance with the hazardous criteria of the CPR and the MSDS.</p> <p><u>Risk Statements:</u> R11 Highly flammable R20/21/22 Harmful by inhalation and in contact with skin R33 Danger of cumulative effects. R36/37/38 - Irritating to eyes, skin and respiratory system. R43 May cause sensitization by skin contact.</p> <p><u>Safety Statements:</u> S3 Keep in a cool place. S7/9 Keep container tightly closed and dry in a well ventilated place. S16 Keep away from sources of ignition. No smoking. S26 In case of contact with eyes, rinse immediately with plenty of water. S33 Take precautionary measures against static discharges S37/39 Wear suitable gloves and eye/face protection. S60 This material and its container must be disposed of as hazardous waste.</p> |
| <p>SECTION 11: TOXICOLOGICAL INFORMATION</p> | <p>SECTION 16: OTHER INFORMATION</p> |
| <p>Repeated exposure to high levels produces adverse effects on the heart, lungs, liver and kidneys.</p> | <p>Methacrylate stored in bulk must be kept in contact with air (oxygen). Monomer vapors are uninhibited and may form polymers in vent or flame arresters, resulting in blockage of vents.</p> <p>Legend NAIF: No Applicable Information Found NA: Not Available/Applicable NE: None Established</p> <p>DISCLAIMER: The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. ALLIED HIGH TECH PRODUCTS, INC. makes no warranty, either express or implied, as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer/distributor shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.</p> |
| <p>Page 2 of 2:</p> | <p>Form Prepared By: Allied High Tech Products, Inc. January 2011</p> |