



HIGHTECH PRODUCTS, INC.

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## MATERIAL/CHEMICAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION					SECTION 3: HAZARDS IDENTIFICATION																																																											
<p><b>Product Details</b></p> <p>Product Name: QuickCure Acrylic Liquid</p> <p>Allied Item No.: 170-10000, -10010, -10015, -10025</p> <p>Chemical Name: Methyl Methacrylate Monomer</p> <p><b>Company Identification</b></p> <p>Allied High Tech Products, Inc. 2376 East Pacifica Place Rancho Dominguez, CA 90220 (310) 635-2466</p> <p><b>Contact Point</b></p> <p>Transportation for United States Chemtrec (800) 424-9300 * (202) 483-7616</p>					<p><b>Hazard Statement:</b> Flammable. Hazardous polymerization may occur. Irritant by inhalation, in contact with skin and eye and if swallowed. May cause sensitization by skin contact.</p> <p>Hydroquinone is listed as a suspect carcinogen by NTP. All data given is for the dry powder, not as a component of a liquid mixture.</p> <p><b>Routes of Entry:</b> Skin, eyes and/or inhalation.</p>																																																											
SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT					SECTION 4: FIRST AID MEASURES																																																											
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<p><b>Extinguishing Media:</b> Alcohol foam, carbon dioxide or dry chemical.</p> <p><b>Fire Fighting Instruction:</b> Cool tank/container with water spray. Fight fire from a distance, heat may rupture containers. Wear self-contained breathing apparatus and protective clothing.</p> <p><b>Special Hazards:</b> Fine mists are explosive below the flash point. Flammable liquid. Vapor forms explosive mixture with air. Heat can cause polymerization with rapid release of energy which may rupture container explosively. Vapors are heavier than air and may travel to ignition sources and flash back. Sensitive to static discharge.</p>					<p>Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Remove source of heat, sparks, flame, impact, friction or electricity. Dike spill. Prevent material from entering sewers, waterways or low areas. Soak up with sand, oil dry or other absorbent, non-combustible material. Cleaned-up material is a RCRA Hazardous Waste. Spills on porous surfaces can contaminate the groundwater.</p>																																																											
<p>Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.</p>					<p><b>HMIS Ratings</b></p> <p>Health: 2</p> <p>Flammability: 3</p> <p>Reactivity: 2</p>																																																											
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<p><b>SECTION 7: HANDLING &amp; STORAGE</b></p>	<p><b>SECTION 12: ECOLOGICAL INFORMATION</b></p>
<p><b>Handling:</b> Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling product. Close container after each use. Ground container when pouring. Keep away from heat, direct sunlight, sparks and flames. Observe good housekeeping practices.</p> <p><b>Storage:</b> Vapors are uninhibited and may form polymers in vents or flame arresters, resulting in blockage of vents. Keep container in a cool place. Do NOT expose to direct sunlight. Store in a well ventilated place. Keep container tightly closed. Store in accordance with National Fire Protection Association recommendations. Maintain air space inside storage containers. Avoid conditions which remove all oxygen from the store liquid. Inhibitor requires air contact to function. Check inhibitor levels after 6 months and return to original level.</p>	<p><b>Environmental Fate &amp; Distribution:</b> High tonnage material produced in wholly contained systems. Liquid with moderate volatility. Sparingly soluble in water. Product has low potential for bioaccumulation. The product is predicted to have high mobility in soil.</p> <p><b>Persistence &amp; Degradation:</b> Not readily biodegradable.</p> <p><b>Toxicity:</b> Low toxicity to fish. Harmful to aquatic invertebrates. Low toxicity to algae.</p> <p><b>Effects on Effluent Treatment:</b> Product is substantially removed in biological treatment processes.</p>
<p><b>SECTION 8: EXPOSURE CONTROL &amp; PERSONAL PROTECTION</b></p>	<p><b>SECTION 13: DISPOSAL INFORMATION</b></p>
<p><b>Engineering Measures:</b> General and/or local exhaust ventilation that is adequate to keep level of air contaminants below exposure limits.</p> <p><b>Respiratory Protection:</b> Use OSHA/NIOSH approved respirator with organic vapor cartridge if level of air contaminants is excessive.</p> <p><b>Protective Gloves:</b> Nitrile gloves, impervious apron and boots.</p> <p><b>Eye Protection:</b> Safety glasses or splash proof goggles.</p> <p><b>Other:</b> Eyewash and safety shower are recommended.</p>	<p>Treatment, incineration, storage, transportation and disposal must be in accordance with Federal, State and Local regulations. Do not flush to surface water or sanitary sewer system. Do not incinerate in closed containers. Do not allow material to contaminate ground water systems.</p> <p>Reuse of empty drums or containers is not recommended.</p>
<p><b>SECTION 9: PHYSICAL &amp; CHEMICAL PROPERTIES</b></p>	<p><b>SECTION 14: TRANSPORT INFORMATION</b></p>
<p>Appearance: Clear, yellowish liquid                  Odor: Characteristic odor                  Solubility: 1.6 wt. 68°F (20°C)                  Boiling Point: 211°F (99°C)                  Melting Point: -54°F (-48°C)                  Flash Point: 52°F (11°C)                  Vapor Pressure: 28 mm/Hg @ 68°F (20°C)                  Vapor Density: 3.5                  Evaporation Rate: NA                  Specific Gravity: 0.935                  Flammable Limits LEL: 2.1                  Flammable Limits UEL: 12.0</p>	<p><b>DOT Shipping Name:</b> Methyl Methacrylate Monomer, Stabilized*      <b>TGD Shipping Name:</b> Methyl Methacrylate Monomer, Stabilized</p> <p><b>DOT Hazard Class:</b> 3      <b>TGD Class:</b> 3.2 (9.2)</p> <p><b>DOT Id Number:</b> UN1247      <b>TGD Id Number:</b> UN1247</p> <p><b>DOT Packing Group:</b> II      <b>TGD Packing Group:</b> II</p> <p>**If material is shipped in quantities greater than 1000 lb. per container, the proper shipping name is RQ Methyl Methacrylate Monomer, Stabilized.</p>
<p><b>SECTION 10: STABILITY &amp; REACTIVITY</b></p>	<p><b>SECTION 15: REGULATORY INFORMATION</b></p>
<p><b>Stability:</b> Unstable with heat</p> <p><b>Conditions to Avoid/Incompatibles:</b> Oxidizing, reducing agents and UV light. Contact with peroxides may result in violent reactions. Material is a strong solvent and can soften paints and rubber.</p> <p><b>Decomposition Products:</b> Decomposes with heat. Hazardous gases/vapors produced are carbon monoxide, carbon dioxide, nitrogen and smoke.</p> <p><b>Hazardous Polymerization:</b> Can occur with excessive heat, storage in absence of inhibitor and inadvertent addition of catalyst.</p>	<p><b>Toxic Substance Control Act/TSCA:</b> All ingredients are TSCA listed.  <b>CERCLA:</b> This product is not classified as hazardous.  <b>SARA Title III:</b> 311, 312 This product is categorized as an Acute Health risk.  <b>Canada WHMIS Hazard Class:</b> B2: flammable liquid, D-2B: Toxic, F: Dangerously reactive material.  <b>EINECS:</b> All chemical listed  <b>EEC Classification:</b> Highly flammable and irritant  <b>Risk Statements:</b>                  R36/37/38 - Irritating to eyes, skin and respiratory system.                  R43 May cause sensitization by skin contact.  <b>Safety Statements:</b>                  S3 Keep in a cool place                  S7/9 Keep container tightly closed in a well ventilated place.                  S16 Keep away from sources of ignition. No smoking.                  S20 When using do not eat or drink                  S29 Do not empty into drains.                  S37/39 Wear suitable gloves and eye/face protection.</p>
<p><b>SECTION 11: TOXICOLOGICAL INFORMATION</b></p>	<p><b>SECTION 16: OTHER INFORMATION</b></p>
<p><b>Teratology (Birth Defect) Info:</b> Developmental toxicity observed in animal tests but only at levels toxic to the mother.</p> <p><b>Long Term Exposure:</b> Repeated exposure to high levels produces adverse effects on the heart, lungs, liver and kidneys. Repeated exposure of animals by inhalation to levels at or above the occupational exposure level produces adverse effects on the nasal epithelium (levels of 100-400 ppm). There is no reason to believe that methyl methacrylate represents a carcinogenic or mutagenic hazard to man based upon evidence from well conducted animal studies, relevant mutagenicity studies and adequate epidemiology studies in relevant cohorts. Recent studies in animals have shown that high exposures do not produce embryo or feototoxic nor teratogenic effects in the presence or maternal toxicity. None of these effects are likely to occur in human provided exposure is maintained at or below the occupational exposure limit.</p>	<p><b>Legend</b>                  NAIF: No Applicable Information Found                  NA: Not Available/Applicable                  NE: None Established</p> <p><b>DISCLAIMER:</b> 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 2013</p>