



## Material Safety Data Sheet

### IDENTIFICATION

**Product Number:** QMI 529HT

**Product Name:** Die Attach Adhesive

**Synonyms:** Silver Filled Thermoset Adhesive

### INGREDIENT DISCLOSURE

CAS number	Name	%	Potential Hazard
7440-22-4	Silver	60 - 95	argyria (gray discoloration of the skin)
Proprietary	Proprietary Methacrylates	≤ 10	combustible/polymerization
Proprietary	Proprietary Maleimides	≤ 10	polymerization
Proprietary	Proprietary Polymer	≤ 1	polymerization

**TSCA Status:** Each of these ingredients are listed, or covered by a low volume exemption under section 5(h)(4).

### PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: N/E

Density g/ml: 4.15

Water Solubility: Insoluble

Boiling Pt °C: N/A

Vapor Pressure: Negligible

Polymerization Temp: 150°C

**Physical State, Appearance and Odor:** A viscous gray paste with mild odor.

### FIRE AND EXPLOSION HAZARD DATA

Flash Point °F: > 200 °F

**Extinguishing Media:** carbon dioxide, dry chemical, water fog

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing to prevent inhalation or contact of combustion products.

**Unusual Fire and Explosion Hazards:** Hazardous polymerization will not occur.

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### REACTIVITY DATA

Material is stable under normal storage and recommended use conditions (-40 °C, and < 35°C, respectively).

**Incompatibilities:** Strong Oxidizers, acids, bases.

**Hazardous Combustion or Decomposition Products:** CO<sub>2</sub>, CO, NO<sub>x</sub>, and hydrocarbons from incomplete combustion.

### TOXICITY AND HEALTH HAZARD DATA

**Potential Routes of Entry:** Ingestion, skin and eye exposure.

Is material listed in National Toxicology Program, Third Annual Report on Carcinogens? No

Has the material been found to be a potential carcinogen by the International Agency for Research on Cancer? No

**Acute Effects:** May cause eye and skin irritation on contact. Inhalation of fumes evolved during the product's cure may irritate the respiratory tract. Ingestion may cause irritation to the gastrointestinal tract.

To the best of our knowledge, the chemical, physical and toxicological properties of this material have not been thoroughly investigated.

#### **First Aid:**

- Inhalation - Remove to fresh air and consult a physician. If not breathing give artificial respiration. If breathing is difficult give oxygen. Call a physician
- Eyes - Flush with water for at least 15 minutes and contact a physician.
- Skin - Remove contaminated clothing as needed. Wash affected area with soap and water.
- Ingestion - Drink large quantities of water. Do not induce vomiting. Contact a physician. Never give liquids to an unconscious person.

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### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

**Protective equipment:** Safety glasses and chemical-resistant gloves

**Handling protocols:** Good personal hygiene must be maintained. Do not allow eating, smoking, or drinking in storage or use areas. Avoid ingestion and contact with skin and eyes. Use product in a well-ventilated area.

**Storage conditions:** Store at -40°C until required for use.

### SPILL OR LEAK PROCEDURES

**Steps to be taken if material is released or spilled:**

Small spills: Wipe up spilled material and package in storage drums for disposal.

Large spills: Shovel material in to storage drums for disposal.

**Waste disposal method:** Destructive Incineration in a permitted facility is the preferred method of disposal. Observe all federal, state and local laws.

### TRANSPORT INFORMATION

<b>DOT/IATA Proper shipping Name</b>	Not Regulated
<b>DOT/IATA Packing Group</b>	Not Regulated
<b>DOT/IATA Label</b>	Not Regulated
<b>DOT/IATA UN Number</b>	Not Regulated

### REGULATORY INFORMATION


This product contains a toxic chemical(s) subject to the reporting requirements of SARA 313 (40CFR372). Silver

### OTHER INFORMATION

The information contained herein relates only to the specific material identified. Loctite Corporation believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information, Loctite Corporation urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

Latest Revision By Bill Wood, Dated 12/15/03

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