

MATERIAL SAFETY DATA SHEET

SECTION I – Product/Company Information

1.1 Product Trade Name: **Kwik-Cast**
1.2 Part (Item) Number:
1.3 Division Name: World Precision Instruments, Inc.
1.4 Address: 175 Sarasota Center Blvd.
Sarasota FL 34240-9258
1.5 Emergency Telephone Number: (941) 371-1003
1.6 Telephone Number for Information: (941) 371-1003
1.7 Date Prepared: 08/04/99 **Date Revised:** 08/03/03

SECTION II – Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>CAS #</u>	<u>Percent</u>
In Base and Catalyst Paste:				
Silicon Dioxide (Amorphous)	1.2 mg/m ³	10 mg/m ³	7631-86-9	5 – 10 %
Silicon Dioxide (Crystalline)	0.05 mg/m ³	0.05 mg/m ³	14464-46-1	12 – 18 %
Non-Hazardous Components				
Vinyl dimethyl polydimethylsiloxane	N. E.	N. E.	68083-19-2	65 – 70 %
In Base Paste only:				
Polymethylhydrogen siloxane	N. E.	N. E.	68037-59-2	8 – 13 %
Fluorescent organic dye	N. E.	N. E.	39277-28-6	less than 2 %
F D & C Blue # 1	N. E.	N. E.	53026 –57-6	less than 1 %
In Catalyst Paste only:				
Fluorescent organic dye	N. E.	N. E.	39277-28-6	less than 2 %
Organo Platinum complex	N. E.	N. E.	68748-92-2	less than 1 %

SECTION III – Physical/Chemical Characteristics

3.1 Boiling point: >200°C
3.2 Vapor pressure: N.E.
3.3 Vapor density: N.A.
3.4 Solubility in water: Not Soluble
3.5 Appearance and odor: Base paste is a blue colored paste with faint sweet odor. Catalyst paste is a bright yellow colored paste with faint sweet odor.
3.6 Specific Gravity: 1.1 g/cm³
3.7 Melting Point: N.E.
3.8 Evaporation rate: <1

SECTION IV – Fire and Explosion Hazard Data

4.1 Flash point (method used): > 415°F (Pensky Martin CC ASTM 093)
4.2 Flammability (explosive limits): **LEL: N.E.** **UEL: N.E.**
4.3 Extinguishing media: Sand, foam, carbon dioxide, dry chemical.
4.4 Special fire fighting procedures: Fire fighter should wear full protective clothing including a self contained breathing apparatus.
4.5 Unusual fire and explosion hazards: During a fire, irritating and/or toxic gasses from the decomposition of the paste may be present.

SECTION V – Reactivity Data

5.1 Stability: **Unstable:** **Stable: X**
5.2 Conditions to avoid (stability): Heat greater than 60°C (140°F)
5.3 Incompatibility (materials to avoid): Condensation silicones, tin and sulfur, amines and peroxides.
5.4 Hazardous decomposition or byproducts: N.E.
5.5 Hazardous polymerization: **May occur:** **Will not occur: X**
5.6 Conditions to avoid (polymerization): Extreme heat

SECTION VI - Health Hazard Data

- 6.1 Route(s) of entry:** **Inhalation?:** No **Skin?:** Yes **Ingestion?:** Yes
- 6.2 Health hazards (acute and chronic):** Contact with eyes and skin may cause irritation. In susceptible persons, skin reactions may occur. This is short term and should go away after washing with soap and water.
- 6.3 Carcinogenicity:** **NTP?:** Not listed **IARC monographs?:** Not listed **OSHA Regulated?:** No
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.
- 6.4 Signs and symptoms of exposure:**Product may irritate the eyes and skin. **Eye** contact: irritation and possible corneal damage. **Skin** contact: irritation or possible allergic response. Reddish rashes may be seen on the skin. **Ingestion:** Low order of toxicity is expected when large amounts of material are ingested. Acute toxicology study in rats LD₅₀ >2,000mg/kg.
- 6.5 Medical conditions generally aggravated by exposure:** Possible skin rashes.
- 6.6 Emergency first aid procedures:** In case of **eye contact**, flush with flowing water for 15 minutes and get medical attention. **Skin:** Flush with flowing water for 15 minutes, then wash area with mild soap and water. Call physician. **Ingestion:** Consult a physician immediately.
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SECTION VII – Precautions for Safe Handling and Use

- 7.1 Steps to be taken in case material is released or spilled:**Spread vermiculite on paste to absorb any resin. Scoop up and place in an appropriately marked container.
- 7.2 Waste disposal methods:**Dispose of in accordance with Federal, State and Local regulations.
- 7.3 Precautions to be taken in handling and storage:** Store away from food and beverages. Store away from extreme heat.
- 7.4 Other precautions:** Observe normal warehouse handling procedures.
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SECTION VIII – Control Measures

- 8.1 Respiratory protection:** None required during normal use of this product.
- 8.2 Ventilation:** Local exhaust recommended.
- 8.3 Protective gloves:** Vinyl gloves. Latex or Rubber gloves may inhibit set.
- 8.4 Eye protection:** Protective goggles.
- 8.5 Other protective clothing or equipment:** Apron.
- 8.6 Work/Hygienic practices:** Observe normal care when working with chemicals. Avoid eye and skin contact, inhalation and ingestion. Do not eat, drink or smoke when using..

NFPA HAZARD CLASSIFICATIONS	
Health	0
Flammability	1
Reactivity	0
Specific Hazard	N. A.

NFPA - National Fire Protection Association
N.A. - Not Applicable
N.E. - Not Established