

MSDS

TDK Corporation
2-15-7, Higashi-Ohwada, Ichikawa-shi
Chiba-ken, 272, Japan
Emergency Phone: 81-47-378-9480
Date prepared: Sept. 12, 1997

Material Safety Data Sheet

Product Name : QUICKBOND (Two part Epoxy Glue). The QUICKBOND glue is composed of base material (QUICK SET A) and hardener (QUICK SET B).

(1) Substance Name : QUICK SET A (Epoxy Adhesive)

1. MATERIAL IDENTIFICATION AND INFORMATION

COMPONENT	CAS No.
Epoxy resin	25068-38-6
Silica amorhous	6179-53-2

2. PHYSICAL / CHEMICAL CHARACTERISTICS

Nature or Property:

Appearance:	Semi-transparent liquid
State:	Viscous Liquid
Specific Gravity:	1.17 ± 0.05
Percent Non-volatility:	>99 %
Boiling Point:	Not Applicable
Vapor Pressure:	Not Applicable
Odor:	Slight
Solubility in Water:	Insoluble

Reactivity Data:

Stability:	Stable under normal storage conditions
Incompatibility:	Epoxy curing agent
Hazardous polymerization:	Not Applicable
Hazardous Decomposition:	Not Applicable

3. FIRE AND EXPLOSION HAZARD DATA

Unusual Fire and Explosion Hazard: There is possibility of pressure buildup in closed containers when heated.

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus to avoid inhalation.

Flash point:	260° C
Auto-Ignition temperature:	Not Determined
Extinguishing Media:	Water / Foam / Dry chemical (non-alkaline) / Carbon dioxide on dried product

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(1) Substance Name : QUICK SET A (Epoxy Adhesive), cont.

4. HEALTH HAZARD DATA

Toxicological Data:

Irritation of skin: Prolonged or repeated contact with liquid product may cause irritation or rash.

Irritation of eye: Contact with the product will cause irritation, or redness.

Inhalation: Not Applicable

First Aid Procedure:

Inhalation: If vapor inhaled, remove to fresh air. If breathing is difficult, get medical attention.

Eye Contact: Immediately wash with water for at least 15 minutes. Get medical attention.

Skin Contact: Wash with water and soap.

Ingestion: Immediately drink a lot of water. Get medical attention.

5. CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: Should be worn to avoid breathing spray mist and heated vapor.

Ventilation: Use local exhaust ventilation at points where vapors can be released into workplace.

Protective Gloves: Wear gloves and protective clothing if direct contact likely.

Eye Protection: Safety goggles.

Spill or leak procedure: Scoop up and place in a open top drum, eliminate all sources by absorption on paper, cloth, towels or sand. Finally wash down the spill area with water.

Waste control: Collect in sealed container

Means of destruction: Collect in sealed containers and dispose of in accordance with local regulations.

Storage: Store in tightly closed vessels and keep in a cool and dry area.

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Product Name : QUICKBOND (Two part Epoxy Glue). The QUICKBOND glue is composed of base material (QUICK SET A) and hardener (QUICK SET B).

(2) Substance Name : QUICK SET B (Epoxy Hardener)

1. MATERIAL IDENTIFICATION AND INFORMATION

COMPONENT	CAS No.
Mercaptan terminated polymer	Not hazardous
Tris phenol	90-72-2
Silica amorphous	6179-53-2

2. PHYSICAL / CHEMICAL CHARACTERISTICS

Nature or Property:

Appearance:	Light brown liquid
State:	Viscous Liquid
Specific Gravity:	1.15 ± 0.05
Percent Non-volatility:	>97 %
Boiling Point:	Not Applicable
Vapor Pressure:	Not Applicable
Odor:	Mercaptan smell
Solubility in Water:	Insoluble

Reactivity Data:

Stability:	Stable under normal storage conditions
Incompatibility:	Epoxy resin, Isocyanate, Acid
Hazardous polymerization:	Not Applicable
Hazardous Decomposition:	Details unknown. Evolves oxides of carbon, nitrogen and sulfur when burned

3. FIRE AND EXPLOSION HAZARD DATA

Unusual Fire/Explosion Hazard:	There is possibility of pressure buildup in closed containers when heated.
Special Fire Fighting Procedures:	Fire fighters should wear self-contained breathing apparatus to avoid inhalation.
Flash point:	130° C
Auto-Ignition temperature:	Not Determined
Extinguishing Media:	Water / Foam / Dry chemical (non-alkaline) / Carbon dioxide on dried product

Material Safety Data Sheet

(2) Substance Name : QUICK SET B (Epoxy Hardener), cont.

4. HEALTH HAZARD DATA

Toxicological Data

Irritation of skin: Contact with liquid product may cause irritation, or rash. Avoid handling if prone to allergies.

Irritation of eye: Contact with high vapor level of the product will cause irritation or redness.

Inhalation: Overexposure to vapors in poorly ventilated areas may caused headache, nausea, vomiting and dizziness.

First Aid Procedure

Inhalation: If vapor inhaled, remove to fresh air. If breathing is difficult, get medical attention.

Eye Contact: Immediately wash with water for at least 15 minutes. Get medical attention.

Skin Contact: Wash with water and soap. Get medical attention if irritation persists.

Ingestion: Immediately drink a lot of water. Get medical attention.

5. CONTROL AND PROTECTIVE MEASURE

Respiratory Protection: Should be worn to avoid breathing spray mist and heated vapor.

Ventilation: Use local exhaust ventilation at points where vapors can released into workplace.

Protective Gloves: Wear gloves and protective clothing if direct contact likely.

Eye Protection: Safety goggles.

Spill or leak procedure: Scoop up and place in a open top drum, eliminate all sources by absorption on paper, cloth, towels or sand. Finally wash down the spill area with water.

Waste control: Collect in sealed container.

Means of destruction: Collect in sealed containers and dispose of in accordance with local regulations.

Storage: Store in tightly closed vessels and keep in a cool and dry area.