

SOLDERVEST QUICK - POWDER
MATERIAL SAFETY DATA SHEET**SECTION 1 - SOURCE/IDENTITY/USE INFORMATION****MANUFACTURER**

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COMMON NAME: SOLDERVEST QUICK - POWDER**CHEMICAL NAME:** N.A.**PRODUCT USE:** Gypsum-bonded soldering investment material.

The following information is provided with regard to the toxicity and hazards of the pure components present in this product.

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	C.A.S.	EXPOSURE LIMITS	LD50/LC50	%
Silica Quartz	14808-60-7	TWA=0.1mg/m ³ (respirable) (ACGIH)	N.E.	25-50
Gypsum Calcium sulphate hemihydrate		N.A.	N.A.	25-50
Aluminum oxide	1344-28-1	PEL= 5mg/m ³ TLV=10mg/m ³	N.E.	10-25

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 2230°C
VAPOR PRESSURE: N.A.
VAPOR DENSITY: N.A.
SOLUBILITY IN WATER: N.A.
COEFFICIENT OF OIL/WATER DISTRIBUTION: N.A.

SPECIFIC GRAVITY: N.A.
MELTING POINT: N.A.
EVAPORATION RATE: N.A.
ODOR THRESHOLD: N.A.
APPEARANCE AND ODOR: White powder, odorless

SECTION 4 - FIRE AND EXPLOSION DATA**FLASH POINT:** N.A.**FLAMMABLE LIMITS:** N.E.**EXTINGUISHING MEDIA:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**SPECIAL FIRE FIGHTING PROCEDURES:** N.A.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Reduction of Calcium Sulfate at high temperature caused violent explosion. Contact with Diazomethane vapor generates heat that can lead to detonation.**HAZARDOUS COMBUSTION PRODUCTS:** Above 1450°C evolves calcium oxide and sulfur dioxide.**SECTION 5 - REACTIVITY DATA**

STABILITY: Stable Unstable
POLYMERIZATION: Will Not Occur Will Occur

CONDITIONS TO AVOID: High humidity**INCOMPATIBILITY (Materials To Avoid):** Acids. Acetic anhydride**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No decomposition if used according to specifications.

SECTION 6 - HEALTH HAZARD DATA and FIRST AID INFORMATION

	YES	NO	NE	NA	NTP	IARC	OSHA	OTHER
MUTAGENIC AFFECTS		X						
TERATOGENIC AFFECTS		X						
REPRODUCTIVE TOXIN		X						
CARCINOGENICITY	X				X	X	X	Calif. Prop. 65
SENSITIZER		X						

ROUTES OF ENTRY: Inhalation Skin Ingestion

HEALTH HAZARD (Acute And Chronic): May cause eye irritation. When wet will develop sufficient heat to cause burns if a large mass, such as a cast of a hand or arm, is kept in contact with skin while hardening. Inhalation may cause respiratory irritation. Ingestion may cause obstruction due to setting reaction and erythema, macular rash, diarrhea, nausea and dizziness.

CALIFORNIA PROP 65 WARNING: This product contains crystalline silica, a chemical known to the State of California to cause cancer.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye irritation, coughing, sneezing, nasal irritation

CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing upper respiratory and lung diseases.

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush eyes with water for 15 minutes. Seek medical attention if irritation develops.

SKIN: Wash with water.

INHALATION: Remove to fresh air.

INGESTION: Plaster hardens when wetted and, if ingested, may result in obstruction. Seek medical attention.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL: Sweep or vacuum material into waste container for disposal. Avoid creating dusty conditions. Do not wash into sewers. If already mixed with water, scrape up and place into suitable container. Wash to remove residue.

WASTE DISPOSAL METHOD: Per local, state, federal regulations

STORAGE, HANDLING, AND SPECIAL PRECAUTIONS: Ensure proper ventilation. Respiratory and eye protection should be used in dusty conditions.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: Provide general ventilation and local exhaust ventilation. When dusty conditions exist wear an approved NIOSH/MSHA dust mask.

VENTILATION: Local Exhaust: X Mechanical: X Special: N.A. Other: N.A.

PROTECTIVE GLOVES: N.A.

EYE PROTECTION: Goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station.

WORK/HYGIENIC PRACTICE: Follow good hygiene practices. Avoid creating dusty conditions.

SECTION 9 - PREPARATION INFORMATION

This data is supplied to comply with OSHA Hazard Communication Standard 29 CFR 1910,1200 and W.H.M.I.S. CPR

DATE: 09 January 2006

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N.A. = NOT APPLICABLE
N.E. = NOT ESTABLISHED

The information herein is given in good faith but no warranty expressed or implied is made.

FIRE – 0**TOXICITY – 1****NFPA****REACTIVITY – 0****SPECIAL –**
