



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTITY

NAME OF PRODUCT: QUICK EPOXY STEEL

**Sunnen Part Number 90682-A Epoxy Kit
Mavidon Part Number 9401 A/B**

MANUFACTURER'S NAME AND ADDRESS:

Mavidon Corporation
3953 SW Bruner Terrace
Palm City, FL 34990-1317

EMERGENCY TELEPHONE NUMBER:

407-286-8951

DATE:

January 20, 2000

SECTION 2 INGREDIENTS/IDENTITY (PER 29 CFR 1910.1200(g))

CHEMICAL NAME OF COMPONENTS	CAS NO.	Wt%	OSHA Z1A 8 HR TWA	OSHA Z1A STEL	OSHA Z1A SKIN	ACGIH CARCINOGENIC TWA	
PART A							
Epichlorohydrin	106-89-8	<.01	NONE	NONE	5ppm (1)	2ppm (1)	No
PART B							
Mercaptan Terminated Polymer	Unknown	Unknown	NONE	NONE	NONE	NONE	No
2,4,6-Tri (dimethylamino Methyl) Phenol	Unknown	Unknown	NONE	NONE	NONE	5ppm (2)	No
Modified Polyamine	Unknown	Unknown	NONE	NONE	NONE	NONE	No

(1) Potential contribution to overall exposure is possible via skin absorption. (2) Recommended ROHM & HAAS Health Guide TWA

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

	PART A	PART B
SPECIFIC GRAVITY (WATER=1)	1.8	1.8
APPEARANCE AND ODOR	Black paste-minimum odor	White syrup, mercaptan odor.
BOILING POINT	UNKNOWN	600 °F (316 °C)
SOLUBILITY IN WATER	Slight	Slight
VAPOR DENSITY (Air=1)	UNKNOWN	9
VAPOR PRESSURE (mm Hg)	UNKNOWN	<.01 mm Hg @ 68 °F (20 °C)

EVAPORATION RATE

UNKNOWN

Negligible

SECTION 4 SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. **Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.**

SECTION 5 CORROSIVITY AND REACTIVITY DATA

STABILITY: Material is stable under normal conditions of transport and storage. **POLYMERIZATION:** Hazardous polymerization may occur. **INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidation agents, epoxy resins, amine mixtures, strong acids, mercaptans and bases. **CONDITIONS TO BE AVOIDED:** Excessive heat. Masses over 1 pound of Part A plus an aliphatic amine will cause polymerization with considerable heat. **HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion of material will produce oxides of Sulfur, Nitrogen and Carbon.

SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE. PRIMARY ROUTE(S) OF ENTRY ARE: INHALATION AND SKIN ABSORPTION. THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN ARE FROM SOURCES OTHER THAN DIRECT TEST DATA.

SIGNS AND SYMPTOMS OF EXPOSURE: Eye skin or respiratory tract irritation. **HEALTH HAZARDS:** **EYE:** mild irritation, may cause transient corneal damage. **SKIN:** mild irritation, not a skin sensitizer. **INHALATION:** May cause respiratory irritation.

EMERGENCY FIRST AID

INHALATION: Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, begin mouth to mouth resuscitation. **EYE CONTACT:** Remove contact lenses (if wearing) and flush eyes with water for 15 minutes. Seek medical attention to check for possible irritation. **SKIN CONTACT:** Wipe clean and wash contact areas with mild non-abrasive soap and water. **INGESTION:** Do not induce vomiting. Call physician or poison control center immediately.

SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Store away from heat or flame. Avoid contact with eyes, skin and clothing. Use personal protection equipment and precautions as specified in Section 8. **NORMAL USE:** Practice good personal hygiene. Wash thoroughly after handling material. Avoid inhalation of mist or vapors. **FOR INDUSTRIAL USE ONLY.** Not suitable for use in or around household or dwelling. **STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS:** Soak up with absorbent material and place in a closed container. Ventilate if large amount is spilled in a confined space. **WASTE DISPOSAL METHOD:** Incinerate in an approved incinerator or dispose of in a chemical dump in accordance with local, state, county and federal regulations regarding health and environment.

SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use organic vapor respirator in compliance to OSHA 29 CFR 1910.134. **VENTILATION:** Normal ventilation is required. **SKIN PROTECTION:** Plastic or rubber gloves are recommend to prevent skin contact. **EYE PROTECTION:** NIOSH approved safety glasses or chemical splash goggles are recommended to prevent eye contact. **OTHER EQUIPMENT:** Sufficient clothing to prevent contact with skin.

Eyewash facility recommended. MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL: Remove traces of material if soldering, welding, brazing, cutting or other process involving ignition sources to prevent a fire hazard.

SECTION 9 FIRE AND EXPLOSION HAZARD DATA

	PART A	PART B
FLASH POINT:	490 °F (254 °C)	600 °F (316 °C)

EXTINGUISHING MEDIA: Carbon dioxide, foam and dry chemical. SPECIAL FIRE FIGHTING PROCEDURES: For fires in enclosed areas, firefighters must use self-contained breathing apparatus. AUTO-IGNITION TEMPERATURE: Not Established Sealed containers may melt, leak, burst or explode, releasing contents and spreading fire, if exposed to extreme heat.

NOTICE

THIS MATERIAL SAFETY DATA SHEET ("MSDS") IS SUPPLIED PURSUANT TO THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S HAZARD COMMUNICATION RULE (THE "RULE"), 29 CFR 1910.1200. THIS MSDS IS BEING FURNISHED TO THE IMMEDIATE PURCHASER OF THE MATERIAL TO WHICH IT REFERS WITHOUT REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS OR ACCURACY OF ANY INFORMATION OR RECOMMENDATIONS CONTAINED HEREIN.

THIS MSDS IS OFFERED SOLELY TO COMPLY WITH THE RULE AND IS NOT INTENDED TO CREATE ANY LIABILITY OF ANY KIND ON THE PART OF SUNNEN PRODUCTS COMPANY ("SUNNEN"). IN NO EVENT WILL SUNNEN BE RESPONSIBLE FOR ANY DEATH, INJURY OR DAMAGE OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF, RELIANCE UPON, OR MISUSE OF THE MSDS. NO REPRESENTATIONS OR WARRANTIES, WHETHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER NATURE, ARE MADE HEREUNDER. THIS MSDS IS NOT INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR EXTEND LICENSES UNDER VALID PATENTS.

THIS MSDS IS FURNISHED UPON THE EXPRESS CONDITION THAT ALL PERSONS RECEIVING IT WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR PURPOSED PRIOR TO USE. RESPONSIBILITY FOR COMPLIANCE WITH APPLICABLE FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING DISSEMINATION OF THE MSDS AND SALE AND USE OF THE MATERIAL TO WHICH IT REFERS RESTS SOLELY UPON THE PURCHASER.