MATERIAL SAFETY DATA SHEET

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SECTION I IDENTIFICATION OF PRODUCT

TRADE NAME	PRODUCT CODE
4 Minute Epoxy Steel Hardener	44-2C Bravo # 44209
SYNONYM OR CROSS REFERENCE	**PROPER SHIPPING NAME**
Epoxy Hardener	Resin Solution

SECTION II HAZARDOUS INGREDIENTS

MATERIAL	NATURE OF HAZARD
Mercaptan Polymer	Vapor may cause nausea or headache. Skin irritant.

SECTION III PHYSICAL DATA

BOILING POINT N/A	MELTING POINT N/A
VAPOR PRESSURE N/A	SPECIFIC GRAVITY (water=1) 1.15
VAPOR DENSITY (AIR = 1) > 1	PERCENT VOLATILE BY VOLUME (%) < 95%
WATER SOLUBILITY Not soluble	EVAPORATION RATE (Ethyl Ether = 1) < 1
APPEARANCE White paste - slight mercaptan odor	

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used)	FLAMMABLE LIMITS	Lower	Upper
350° F. COC	Not established		

FIRE EXTINGUISHING MEDIA: Water, CO_2, Dry Chemical

SPECIAL FIRE-FIGHTING PROCEDURES: Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially if sprayed into containers of hot, burning liquid. Self-contained breathing apparatus with a full facepiece operated in pressure demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARD: N/A

SECTION V HEALTH HAZARD

THRESHOLD LIMIT VALUE: N/A

HEALTH HAZARDS: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use with adequate ventilation.

FIRST AID PROCEDURES

EYES: Can cause irritation. Flush with excess water. Call a physician.

SKIN: Prolonged or repeated contact can cause moderate irritation, defatting and dermatitis. Wash with soap and water.

INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation. Remove to fresh air.

INGESTED: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea. Call a physician.

SECTION VI REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		Avoid contact with strong oxidants, epoxy resin/amine mixtures
	STABLE	X	

INCOMPATABILITY (materials to avoid)

Avoid contact with strong oxidants, epoxy resin/amine mixtures.

HAZARDOUS DECOMPOSITION PRODUCTS When heated to decomposition will emit highly toxic fumes of SO_x

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII SPILL AND DISPOSAL PROCEDURES

SPILLS

Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and shovel into containers.

DISPOSAL

Disposal method must comply with Local, State and Federal Regulations.

SECTION VIII PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)

NIOSH approved respirator recommended

VENTILATION		
	LOCAL Exhaust	SPECIAL
	MECHANICAL (general) Acceptable	OTHER

PROTECTIVE GLOVES	EYE PROTECTION
Neoprene or equivalent	Safety glasses or goggles at all times

OTHER PROTECTIVE EQUIPMENT

Normal work clothing covering arms and legs

SECTION IX HANDLING AND STORAGE PRECAUTIONS

STORAGE & HANDLING

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

MISCELLANEOUS

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with U.S. Chemical or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

Date issued 7-18-86 Revision

The information in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the sheet is the latest one issued.