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J-M Manufacturing Co., Inc. **Internal Correspondence**

To : Ernie Pronske Date: January 21, 1986

From : E. E. Wang

Copies : Wilfred Wang, C.J. Chen, All Plant Managers

Subject : J-M's Material Safety Data Sheets

To comply with the OSHA Hazard Communication Standard, I have revised our MSDS's. Enclosed please find five different MSDS's to be duplicated and distributed to our customers through J-M sales representatives. (Please duplicate copies as many as you need.)

Copies of those revised MSDS's should be provided to our customers/distributors with the next shipment of our products. This is required by law even when the customers/distributors have not requested our MSDS's.

E. E. Wang

EEW:rac

JAN 21 1986

EXHIBIT
15 2-26-16
REICHERT
PENGAD-Bayonne, N. J.

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Prepared By:
Dr. E.E. Wang

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

Rev. 1-16-86

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
J-M A/C Pipe Corporation	(209) 982-1500
ADDRESS (Number, Street, City, State, and ZIP Code): 1051 Sperry Road, Stockton, CA 95206	
CHEMICAL NAME AND SYNONYMS: Asbestos-Cement Pipe	TRADE NAME AND SYNONYMS: TRANSITE Pipe
CHEMICAL FAMILY: Mineral	FORMULA: N/A

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS N/A			BASE METAL N/A		
CATALYST N/A			ALLOYS N/A		
VEHICLE N/A			METALLIC COATINGS N/A		
SOLVENTS N/A			FILLER METAL PLUS COATING OR CORE FLUX N/A		
ADDITIVES N/A			OTHERS N/A		
OTHERS N/A					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV* (Units)
Asbestos [CAS #: 1332-21-4], A Carcinogen Determined By IARC	15	2f/cc
Silica [CAS #: 7631-86-9]	35	5mg/m^3
Portland Cement	50	15mg/m^3
* TLVs Refer To Airborne Concentrations Over 8-Hr TWA.		

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H_2O=1)	1.85
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____=1)	N/A
SOLUBILITY IN WATER	N/A		
APPEARANCE AND ODOR	Grayish-White Pipe; Odorless;		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
N/A	N/A		
EXTINGUISHING MEDIA: N/A			
SPECIAL FIRE FIGHTING PROCEDURES: N/A			
UNUSUAL FIRE AND EXPLOSION HAZARDS: None			

(Continued on reverse side)

Form OSHA-20
Rev. May 72

EXHIBIT
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PENGAD-Bayonne, N. J.

A/C Pipe

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Shown On First Page; Inhalation Of Excessive Silica May Cause Silicosis.

EFFECTS OF OVEREXPOSURE
Over-Exposure To Excessive Concentrations Of Airborne Asbestos Fibers May Cause Pulmonary Disease. Smoking Greatly Increases Risk From Asbestos Exposure.

EMERGENCY AND FIRST AID PROCEDURES
Inhalation: Move Person To Fresh Air. Eyes: Wash With Water For 15 Minutes. Skin: Clean Area Of Contact. Ingestion: Seek Medical Attention If Necessary.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		Power Driven Saws With Abrasive Discs Should NOT Be Used For Dry Cutting Or Beveling Asbestps-Cement Pipe. Always Avoid Creating And Breathing Dust.
	STABLE		

INCOMPATABILITY *(Materials to avoid)*
None

HAZARDOUS DECOMPOSITION PRODUCTS
None

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	N/A

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Pipe Fragments And Installation Debris Must Be Handled In A Manner Which Avoids Airborne Dispersion Of Asbestos Dust. Use Wet Or Vacuum Method For Clean-Up.

WASTE DISPOSAL METHOD

Comply With All Applicable Local, State, And Federal Regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
Not Required When Recommended Work Practices Are Followed.

VENTILATION		
LOCAL EXHAUST: N/A		SPECIAL: N/A
MECHANICAL *(General)*: N/A		OTHER: N/A

PROTECTIVE GLOVES	EYE PROTECTION
Not Required	Not Required

OTHER PROTECTIVE EQUIPMENT
Not Required When Recommended Work Practices Are Followed.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Follow "Recommended Work Practices For A/C Pipe" Published By A/C Pipe Producers Association.

OTHER PRECAUTIONS
All Tools Which May Release Asbestos Fibers In Excess Of The Exposure Limits Shall Be Provided With Local Exhaust Ventilation Systems.

Note: This Information Is Given Without Warranty, Representation, Inducement Or License Of Any Kind, Except That It Is Accurate To The Best Of Our Knowledge Or Obtained From Sources Believed By Us To Be Accurate, And We Do Not Assume Any Legal Responsibility For Use Or Reliance Upon Same.