

MIDWEST INSTRUMENT COMPANY, INC.
MINCO PIPE, INC

MATERIAL SAFETY DATA SHEET

Issued By:

MINCO PIPE SAFETY DEPARTMENT
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Suite 208
Longview, TX 75603

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Approved By:
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SECTION I - MATERIAL IDENTIFICATION

PRODUCT NAME OR NUMBER (AS IT APPEARS ON LABEL):

Ceramic Coated Piping

MANUFACTURER'S NAME

Minco Pipe

EMERGENCY PHONE NUMBER

(262)367-4421

ADDRESS (Number, Street, City, State, and Zip Code)

3400 W. Marshal Ave., Suite 208 Longview, TX 75603

HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD NO. (49CFR 172.101)

ADDITIONAL HAZARD CLASSES (As applicable)

N/A

CHEMICAL FAMILY

Metals

FORMULA

FeCMnPSS

SECTION II - INGREDIENTS

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PEL(mg/m3)</u>	<u>TLV(mg/m3)</u>	<u>%W</u>	<u>SARAI</u>
SEQ No-40-5	Base Metal Iron (Fe)	None Established	5	92	No
1333-86-4	Alloys - carbon	TWA 3.5	TWA 3.5	<1	Yes
Aluminum 7429-90-5	Metallic Coatings	None Established	TWA 2	<1	Yes
7439-46-5	Manganese	None Established	None Established 02+2	<1	Yes
1310-58-3	Potassium	None Established	2	<1	Yes

7446-09-5	Sulfur	WA 5ppm, 13mg/m3	TWA 2ppm, 5mg/m3	<1	Yes
7440-4-3	Silicon	None Established	10	<1	No
7631-86-9	Silicon Oxide Amorphous	20 mppcf	TWA 80 mg/m3	<1 +%5:02	Yes
7440-67-7	Zirconium Oxide	TWA 5	TWA 5	<1	Yes

TLV: Threshold Limit Value recommended by the American Conference of Governmental Industrial Hygienists (ACGIH)

PEL: Permissible Exposure Limit established by the Occupational Health and Safety Administration (OSHA).

SECTION III-PHYSICAL DATA

BOILING POINT- N/A SPECIFIC GRAVITY (H₂O=1) <1
 VAPOR PRESSURE N/A
 PERCENT VOLITIAL BY VOLUME (%) 0
 PERCENT SOLID BY WEIGHT (%) 100
 VAPOR DENSITY (AIR=1) N/A
 EVAPORATION RATE (=1) N/A
 SOLUBILITY IN WATER pH= N/A
 APPEARANCE AND ODOR Solid metal Pipe with threaded or unthreaded ends
 MATERIAL IS: SOLID

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

FLASH POINT None METHOD USED N/A
 FLAMMABLE UNITS None LEL N/A UEL N/A
 EXTINGUISHING MEDIA- Use Carbon Dioxide, Water, or Foam
 SPECIAL FIRE FIGHTING PROCEDURES If entering a confined area, fire fighters should wear a NIOSH approved, Self Contained Breathing Apparatus.
 UNUSUAL FURE AND EXPLOSION HAZARDS None

SECTION V-HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE Effects of overexposure to fumes and dust may produce irritation of eyes and respiratory system. Metallic taste in mouth, dryness of throat and Influenza-Like symptoms.
 PRIMARY ROUTES OF ENTRY Inhalation (X) Skin Contact () If mold is fractured
 EMERGENCY AND FIRST AID PROCEDURES
Flush eyes with water for at least 15 minutes. If exposed to excessive levels of metal fumes, remove to fresh air, seek medical aid immediately.

SECTION VI-REACTIVITY DATA

STABILITY None UNSTABLE () STABLE (X)
 CONDITIONS TO AVOID None
 INCOMPATIBILITY (Materials to Avoid) None
 HAZARDOUS DECOMPOSITION PRODUCTS None

HAZARDOUS POLYMERIZATION
CONDITIONS TO AVOID None

MAY OCCUR ()

WILL NOT OCCUR (X)

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED

WASTE DISPOSAL METHOD Landfill in accordance with local, state, and federal regulations.

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33) None

VOLATILE ORGANIC COMPOUND (VOC) (AS PACKAGED MINUS WATER) None

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) NIOSH/MSHA-Approved dust and fume respirator used to avoid inhalation of particles when exposed.

VENTILATION

LOCAL EXHAUST (specify rate)

Local exhaust ventilation should be used when grinding and machining when exposure exceeds TLV %

SPECIAL

None

MECHANICAL (GENERAL) (specify rate)

None Required-normal ventilation adequate

OTHER

PROTECTIVE GLOVES (SPECIFY RATE) Should be used when handling

EYE PROTECTION (SPECIFY RATE) (SAFETY GLASSES ARE RECOMMENDED)

Safety Glasses or goggles when grinding or machining

OTHER PROTECTIVE EQUIPMENT None Required

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Store in a clean dry place to preserve product quality

OTHER PRECAUTIONS Care in handling should be exercised to avoid mechanical injury

The above information was extracted from Material Safety Data Sheets from our raw material suppliers and is believed to be correct as of the date hereof.

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