

# KANDI ENGINEERING PVT. LTD.

## MATERIAL SAFETY DATA SHEET

### Issued By

KANDI ENGINEERING PVT. LTD.,  
F-301, REMI BIZCOURT,  
SHAH INDUSTRIAL ESTATE,  
ANDHERI WEST, MUMBAI 400053  
INDIA

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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 Lancing Pipes

### MANUFACTURER'S NAME

Kandi

### EMERGENCY PHONE NUMBER

+91 22 26731083

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

F-301, Remi Bizcourt, Shah Industrial Estate, Off Veera Desai Road, Andheri West, Mumbai – 400 053

### HALARDOUS 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>SARA III</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-S	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	Sulphur	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 mppef	TWA 80mg/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

<b>BOILING POINT-</b> <u>N/A</u>	<b>SPECIFIC GRAVITY (H2O=1)</b> <u>&lt;1</u>
<b>VAPOR PRESSURE-</b> <u>N/A</u>	
<b>PERCENT VOL1TAL BY VOLUME</b> <u>(%) 0</u>	
<b>PERCENT SOLID BY WEIGHT</b> <u>(%) 100</u>	
<b>VAPOR DENSITY</b> <u>(AIR=1) N/A</u>	
<b>EVAPORATION RATE</b> <u>( =1) N/A</u>	
<b>SOLUBILITY IN WATER</b> <u>pH= N/A</u>	
<b>APPEARANCE AND ODOR</b> <u>Solid metal Pipe with threaded or unthreaded ends</u>	
<b>MATERIAL IS:</b> <u>SOLID</u>	

### SECTION IV-FIRE AND EXPLOSION HAZARD DATA

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

### 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

<b>STABILITY</b>	<b>UNSTABLE ( )</b>	<b>STABLE (X)</b>
<b>CONDITIONS TO AVOID</b> <u>None</u>		
<b>INCOMPATIBILITY (Materials to Avoid)</b> <u>None</u>		
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> <u>None</u>		

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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