

MATERIAL SAFETY DATA SHEET**SECTION I – MATERIAL IDENTIFICATION**

MATERIAL NAME: Polycrete 1600 - PART C (Sand)

MANUFACTURER: Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001SUPPLIER: Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001EMERGENCY PHONE:
CHEM-TREC: (800) 424-9300

(716) 542-3991

Chemical name: Silica
Trade Name: Polycrete 1600
Material Use: Expansion Joint fillerChemical Family: Silica
Chemical formula: Si O₂
Molecular Weight: N/A**SECTION II – HAZARDOUS INGREDIENTS**

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Percent (wt)</u>	<u>LD50 (rat, oral)</u>
Crystalline silica	14808-60-7	60-100%	NE

SECTION III – PHYSICAL DATA

PHYSICAL STATE	Solid
ODOR/APPEARANCE:	Odorless, dry aggregate mix
ODOR THRESHOLD (ppm):	NE
SPECIFIC GRAVITY:	2.7
VAPOR PRESSURE (mm)	N/A
VAPOR DENSITY (air = 1):	N/A
EVAPORATION RATE:	N/A
BOILING POINT:	N/A
SOLUBILITY IN WATER	Insoluble
FREEZING POINT:	N/A
% VOLATILE (volume):	0%
PH:	N/A
COEFFICIENT OF WATER/OIL DISTRIBUTION:	NE

SECTION IV – FIRE AND EXPLOSION HAZARD

FLAMABILITY:	Non-Flammable
UNDER WHICH CONDITIONS:	N/A
MEANS OF EXTINCTION:	N/A
SPECIAL PROCEDURES:	N/A
FLASH POINT (F°):	NONE
UPPER EXPLOSION LIMIT:	N/A
LOWER EXPLOSION LIMIT:	N/A
AUTOIGNITION TEMPERATURE:	N/A
HAZARD COMBUSTION PRODUCTS:	N/A
SENSITIVITY TO:	NO
MECHANICAL IMPACT:	NONE
STATIC DISCHARGE:	NONE

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SECTION V – REACTIVITY DATA

CHEMICAL STABILITY:	Stable
If no, under what conditions.	N/A
INCOMPATIBILITY TO OTHER SUBSTANCES:	No
If yes, which one's.	None recognized
REACTIVITY & UNDER WHAT CONDITIONS:	Reacts with hydrofluoric acid to generate the volatile corrosive gas SiF ₄
HARARDOUS DECOMPOSITION PRODUCTS:	None

SECTION VI – TOXICOLOGICAL PROPERTIES

PRIMARY ROUTE OF EXPOSURE:

<input checked="" type="checkbox"/> SKIN CONTACT	<input checked="" type="checkbox"/> SKIN ABSOROTION	<input checked="" type="checkbox"/> EYE CONTACT
<input checked="" type="checkbox"/> INHALATION ACUTE	<input checked="" type="checkbox"/> INHALATION CHRONIC	<input checked="" type="checkbox"/> INGESTION

EFFECTS OF ACUTE EXPOSURE:

- EYES/SKIN: May cause slight irritation
- INHALATION: May cause slight irritation

EFFECTS OF CHRONIC EXPOSURE:

- Prolonged or repeated exposure may cause scarring of the lungs with cough and shortness of breath. A delayed injury, silicosis, may result from breathing free silica. Crystalline silica has been classified by international agency for research on cancer (IARC) as 2A – probable carcinogenic to humans.

ADDITIONAL HEALTH INFORMATION:

LD50 OF MATERIAL:	See - <u>SECTION II</u>
LC50 OF MATERIAL:	N/E
EXPOSURE LIMITS:	0.1 mg/m ³ (for crystalline silica)
IRRITANCY OF MATERIAL:	NO
SENSITIZATION OF MATERIAL:	NO
SYNERGISTIC MATERIAL	None known
CARCINOGENICITY:	YES, SEE ABOVE
REPRODUCTIVE EFFECTS:	None known
TERATOGENICITY:	NO
MUTAGENICITY:	NO

SECTION VII – FIRST AID MEASURES

EYES:	Flush with water. Get to medical attention if irritation persists.
SKIN:	Wash with soap and water.
INHALATION:	Remove to fresh air.
INGESTION:	Get to medical attention

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SECTION VIII – SPECIAL PROTECTION INFORMATION

PROTECTIVE GLOVES:	Adequate to protect from abrasive products.
EYE PROTECTION:	Safety glasses
RESPIRATORY PROTECTION:	Dust mask (or approved respirator if TLV exceeds 0.1 mg/m ³).
OTHER PROTECTIVE EQUIPMENT:	Appropriate clothing.
ENGINEERING CONTROLS:	General ventilation to keep dust levels below the recommended TLV of mg/m ³ .

SECTION IX – SPILL OR LEAK INFORMATION

ENVIRONMENTAL RELEASES:

- Sweep up spills.
- Collect in suitable containers.

WASTE DISPOSABLE:

- Dispose of in accordance with local regulations.

SECTION X – HANDLING & STORAGE INFORMATION

HANDLING PROCEDURES:

- Guard against inhalation of dust.

STORAGE REQUIREMENTS:

- None

SECTION XI – REGULATORY INFORMATION

WHMIS CLASSIFICATION:	D2A
TDGA CLASSIFICATION:	Not regulated
UN NUMBER:	Not regulated
TSCA: (USA)	All ingredients on TSCA inventory.
CPEA: (Canada)	All ingredients on DSL (domestic substances list)

SECTION XII – PREPARATION INFORMATION

PREPARED BY:	Larry Prouty
Telephone number:	(905) 564-6100

ABBREVIATION NOTES:

- N/A = Not applicable
- N/E = Not established

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SECTION XIII – U.S. REGULATORY INFORMATION:

This MSDS complies with 20 CRF 1910.1200 (THE HAZARD COMMUNICATION STANDARD). Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Erie Metal Specialties, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Erie Metal Specialties, Inc. be responsible for damages of any nature whatsoever resulting from the use of, misuse or reliance upon information. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure its activities comply with Federal, State or Provincial, and local laws and regulations.

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PREPARED BY: Erie Metal Specialties, Inc.
13311 Main Road
Akron, NY 14001