

# Fire Patch – Furnace and Retort Cement

## MATERIAL SAFETY DATA SHEET

### Section 1 – Product and Company Identification

PRODUCT NAME: Fire Patch – Furnace and Retort Cement

MANUFACTURER: Flame Tech Inc.  
5180 Indiana Avenue  
Winston-Salem, NC 27106

PHONE NUMBER: 1-800-638-3160  
FAX NUMBER: (336) 661-7969

### Section 2 – Composition/Information on Ingredients

INGREDIENT	CAS No.	% By WT
Sodium Silicate	1344-09-8	20% - 60%

### Section 3 – Hazards Identification

PRIMARY ENTRY ROUTES:

May cause skin irritation.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS INHALATION:  
No known effects

SKIN CONTACT:

Contact may cause skin irritation.

INGESTION:  
May cause irritation

EYE CONTACT:

Contact may cause eye irritation.

### Section 4 – First Aid Measures

INHALATION: Not a respiratory irritant.

SKIN CONTACT: Wash with soap and water. If irritation occurs, seek medical attention.

EYES CONTACT: Immediately flush with large amounts of water. If irritation occurs, seek medical attention.

INGESTION: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

### Section 5 – Fire Fighting Measures

FLASH POINT LEL UEL  
None N/D N/D

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide or water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and other protective clothing

### Section 6 – Accidental Release Measures

STEPS TO BE TAKEN IN CASE OF SPILL OR RELEASE: Wear protective clothing during clean up. Wipe up spills to prevent footing hazard. Avoid flushing into sewers, drains, waterways and soil.

### Section 7 – Handling and Storage

HANDLING: Avoid contact with eyes and prolonged contact with skin. Keep out of reach from children.

STORAGE: Store in a dry cool place. Protect from excessive heat and freezing.

### Section 8 – Exposure Controls and Protection

EYE PROTECTION: Protective eyewear (ANSI Z-87.1 or equivalent)  
VENTILATION: General ventilation is sufficient

SKIN PROTECTION: Rubber gloves suggested  
INGESTION: Do not eat, drink or smoke while working

RESPIRATORY PROTECTION: None required

### Section 9 – Physical and Chemical Properties

PHYSICAL STATE: Thick Paste  
SPECIFIC GRAVITY: 2  
DENSITY LBS./GALLON: 14

COLOR/APPEARANCE: Grey  
ODOR: Minimal  
SOLUBILITY IN WATER: Soluble

VOC %: None

### Section 10 – Stability and Reactivity

STABILITY: Stable

MATERIALS TO AVOID/INCOMPATIBILITY: Acids, ammonium salts

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

### Section 11 – Toxicological Information

CHRONIC HEALTH HAZARDS: No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

TOXICOLOGY DATA: Ingredient Name: Sodium Silicate Oral-Rat LD50:1153 mg/kg Inhalation-Rat LC50:N/D

### Section 12 – Ecological Information

Sodium Silicate

FOOD CHAIN CONCENTRATION POTENTIAL: N/D

WATERFOWL TOXICITY: N/D

BOD: N/D

AQUATIC TOXICITY: 2320 ppm/96 hr/mosquito fish/TLm

### Section 13 – Disposal Considerations

WASTE CLASSIFICATION: Non-regulated solid waste

Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

DISPOSAL METHOD: Approved landfill

### Section 14 – Transportation Information

OCEAN SHIPMENT: Not subject to IMDG code

AIR SHIPMENT: Not subject to IATA regulations

DOT ROAD SHIPMENT: Not subject to DOT

### Section 15 – Regulatory Information

REGULATORY DATA

Ingredient Name: Sodium Silicate

SARA 313: No

TSCA Inventory: Yes

CERCLA RQ: N/A

RCRA Code: N/A

### Section 16 – Other Information

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Contact Flame Tech Inc. for further information: 1-800-638-3160