

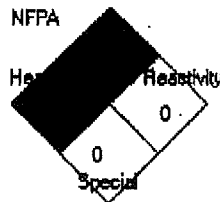
MSDS - Material Safety Data Sheet

Product Name: *Furnace Cement*

MSDS No.: 045020

19050, 19051, 19052, 19053, 19054, 19055, 19060,
19070, 19071, 19072, 19073, 19074, 19075, 19080

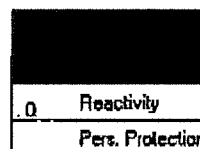
Manufacturer: AMERISAFE
Address: 3990 ENTERPRISE CT
City, ST Zip: AURORA, IL 60504



Last Update: 7/8/2002

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture



CAS No.	Chemical Name	% Range	EH&S	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
1344098	AQUEOUS SOLUTION OF ALKALINE SODIUM SILICATE	NI						2 MG/M3	2 MG/M3	NI

Hazard Category: Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:
NDA

Route(s) of Entry:
SKIN AND INGESTION

Health Hazards (Acute and Chronic):
ACUTE

Signs and Symptoms:
EYES: CAN CAUSE IRRITATION OR BURNS, CORNEAL DAMAGE POSSIBLE IF NOT TREATED!
SKIN: CAN CAUSE IRRITATION, MATERIAL IS HIGHLY ALKALINE
INGESTION: CAN IRRITATE MUCOUS MEMBRANES OF MOUTH, THROAT, AND STOMACH

Medical Conditions Generally Aggravated by Exposure:
SENSITIVE SKIN AREA AND OPEN SORES AND CUTS

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11/8/2002

MSDS - Material Safety Data Sheet**Product Name: Furnace Cement****MSDS No.: 045020****Emergency and First Aid Procedures:**

EMERGENCY FIRST AID CALL: 1-303-823-5716 COLLECT
EYES: FLUSH WITH LARGE AMOUNTS OF WATER AND CONSULT A PHYSICIAN
SKIN: WASH WITH SOAP AND WATER
INGESTION: DO NOT INDUCE VOMITING; GIVE WATER AND CALL A PHYSICIAN

Other Health Warnings:

NI

Flash Point: NI **Lower Explosive Limit:** NI **Upper Explosive Limit:**
Fire Extinguishing Media: NI. DOES NOT BURN.

Special Fire Fighting Procedures:

NI. FIRE RESISTANT; SIMILAR TO FIRE BRICK

Unusual Fire and Explosion:

NI

Steps to be Taken in Case Material is Released or Spilled:

RECOVER SPILLED MATERIAL AND FLUSH SPILL AREA WITH WATER BEFORE SET UP; HARD MATERIAL MAY BE SCOOPED UP AND DISPOSED OF AS SOLID WASTE.

Precautions to be Taken:

KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID CONTACT WITH EYES AND ANY PROLONGED CONTACT WITH SKIN. DO NOT TAKE INTERNALLY.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN AND PETS!

Ventilation Requirements:

NI

Personal Protective Equipment:

RECOMMEND USING RUBBER GLOVES, EYE PROTECTION AS NECESSARY TO PREVENT CONTACT, AND OTHER PROTECTIVE CLOTHING OR EQUIPMENT SUFFICIENT TO PREVENT SKIN FROM CONTACT. USE NORMAL GOOD SAFETY AND HEALTH PROCEDURES; REMOVE ANY CONTAMINATED CLOTHING IMMEDIATELY AND LAUNDER BEFORE RE-USE.

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MSDS - Material Safety Data Sheet

Product Name: Furnace Cement

MSDS No.: 045020

Boiling Point: 216 F D	Melting Point: NI	Evaporation Rate: NI
Vapor Pressure (mm Hg.): NI	Vapor Density (AIR = 1): NI	
Solubility in Water: 100% DILUTABLE		
Appearance and Odor: FIBROUS GRAY TO BLACK PASTE WITH LI		
Other Information:		

Stability:
STABLE

Incompatibility (Materials to Avoid):
MATERIAL IS ALKALINE, AVOID CONTACT WITH ACIDS

Decomposition/By Products:
NI

Hazardous Polymerization:
WILL NOT OCCUR

NDA

NDA

DISPOSE OF WASTE MATERIAL ACCORDING TO APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

TRANSPORTATION INFORMATION:

DOT PROPER SHIPPING NAME: FURNACE CEMENT
DOT LABEL: NON-FLAMMABLE
DOT NUMBER: N/A
UN NUMBER: N/A
IMCO CLASS: N/A
DOT HAZARD CLASSIFICATION: N/A

NDA

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MSDS - Material Safety Data Sheet

Product Name: Furnace Cement

MSDS No.: 045020



ABBREVIATIONS:

N/A = NOT APPLICABLE N/I = NONE INDICATED NDA = NO DATA AVAILABLE
N/E = NOT ESTABLISHED C = CELSIUS DEGREES F = FAHRENHEIT DEGREES

DISCLAIMER:

THE INFORMATION HEREIN HAS BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE, UP-TO-DATE, AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, WILLIAM H. HARVEY COMPANY CANNOT GIVE ANY GUARANTEES REGARDING INFORMATION FROM OTHER SOURCES, AND EXPRESSLY DOES NOT MAKE WARRANTIES, NOR ASSUMES ANY LIABILITY FOR ITS USES.

Material Safety Data Sheet

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QUICK IDENTIFIER
Common Name: (used on label and list)

**HIGH TEMPERATURE REFRACTORY
RETORT & FURNACE CEMENT**

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910. 1200. Standard must be consulted for specific requirements.

SECTION 1 - NA=NOT APPLICABLE N/A=NOT AVAILABLE

Manufacturer's Name: PARKER PRODUCTS INC.

Address: 2050 NORTH 15TH AVENUE

City, State, and ZIP: MELROSE PARK, ILLINOIS 60160

Emergency Telephone No. 708.681-1250

Other Information Calls

Signature of Person Responsible for Preparation (Optional)

Date Prepared: 4/10/96

SECTION 2 -- HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% optional	CAS NO.
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AQUEOUS SOLUTION OF ALKALINE SODIUM SILICATE	NO PEL ESTABLISHED				1344-09-8
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EXPOSURE MAY BE EVALUATED AS PEL=2mg/m³ 8-hr TWA as NaOH
TLV=2mg/m³ Ceiling as NaOH

HMIS HAZARD RATINGS

HEALTH HAZARD 2 FIRE HAZARD 0 REACTIVITY 0

SARA/TITLE 111 HAZARD CATEGORIES

IMMEDIATE (ACUTE) YES REACTIVE HAZARD NO--SUDDEN RELEASE OF PRESSURE NO
DELAYED (CHRONIC) HEALTH NO--FIRE HAZARD NO

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: 216⁰ F Specific Gravity (H₂O=1): 1.30-1.71 Vapor Pressure (mm Hg): N/A

Vapor Density (Air = 1): N/A

Solubility in Water: 100% Reactivity in Water: N/A

Appearance and Odor: GRAY TO BLACK MORTAR Melting Point: N/A

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point: NONE Method Used: N/A Flammable Limits in Air % by Volume: LEL NONE UEL NONE

Auto-Ignition Temperature: NONE Extinguisher Media: NONE

Special Fire Fighting Procedures: NONE

Unusual Fire and Explosion Hazards: NONE

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable Stable Conditions to Avoid **MATERIAL IS ALKALINE, AVOID CONTACT WITH ACIDS**

Impurity Conditions to Avoid **SEE ABOVE**

Hazardous Decomposition Products **NONE**

Hazardous Polymerization May Occur Will Not Occur Conditions to Avoid **NOT KNOWN TO POLYMERIZE**

SECTION 6 - HEALTH HAZARDS

1. Acute **NA** 2. Chronic **NA**

Signs and Symptoms of Exposure **NA**

Medical Conditions Generally Aggravated by Exposure **OPEN SORES AND CUTS--SENSITIVE SKIN AREAS**

Chemical Listed as Carcinogen or Potential Carcinogen **NO** National Toxicology Program Yes No I.A.R.C. Monographs Yes No OSHA Yes No **NA**

Emergency and First Aid Procedures **FLUSH AFFECTED AREAS WITH WATER**

ROUTES OF ENTRY

1. Inhalation **NONE**

2. Eyes **WILL CAUSE SEVERE IRRITATION-flush with water seek aid**

3. Skin **will aggravate cuts & sores, flush with water**

4. Ingestion **CAN IRRITATE MUCOUS MEMBRANES OF MOUTH THROAT & STOMACH**

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage **NORMAL SHELF STORAGE**

Other Precautions **KEEP CONTAINERS COVERED, AWAY FROM ACIDS**

Steps to be Taken in Case Material is Released or Spilled **WASH DOWN WITH WATER BEFORE SETTING, HARD MATERIAL MAY BE SHOVELED UP AND DISCARDED AS SOLID WASTE**

Waste Disposal Methods (Consult federal, state, and local regulations) **DISCARD AS NON HAZARDOUS**

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) **NONE**

Ventilation **NONE** Local Exhaust **NONE** Mechanical (General) **NONE** Special **NONE** Other **NONE**

Protective Gloves **SUGGESTED** Eye Protection **GOGGLES WHEN WORKING BELOW**

Other Protective Clothing or Equipment **NORMAL WORKING CLOTHES**

Work/Hygiene Practices **PRACTICE SAFE WORKING HABITS.**

IMPORTANT
Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.