



UTILITY

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Manufacturer: UTILITY 700 Main Street Westbury, NY 11590 Telephone: 1-516-997-6300 Fax: 1-516-997-6345 Web Site: www.UtilityChemicals.com E-mail: info@UtilityChemical.com	For any Transportation or Medical Chemical Emergencies call: <p style="text-align: center;">INFOTRAC</p> <p style="text-align: center;">(800) 535-5053</p> <p style="text-align: center;">24 hours per day - 7 days a week</p>
Product Name: DO-ALL+PLUS Furnace / Retort / Refractory Cement	Recommended Use: For setting and cementing furnaces, stoves, boilers, refractories, and chimney collars.

SECTION 2 – HAZARD(S) IDENTIFICATION

<p>Labels None</p> <p>Signal Word None</p> <p>HMIS</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #000080; color: white;">HEALTH</td> <td style="background-color: #000080; color: white; text-align: center;">1</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">FLAMMABILITY</td> <td style="background-color: #FF0000; color: white; text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFD700; color: black;">REACTIVITY</td> <td style="background-color: #FFD700; color: black; text-align: center;">0</td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	0	<p>NFPA</p> <table border="1" style="margin: auto;"> <tr> <td style="background-color: #000080; color: white; text-align: center;">HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material</td> <td style="text-align: center;"> </td> <td style="background-color: #FF0000; color: white; text-align: center;">FIRE HAZARD Flash Points 4 – Below 73°F 3 – Below 100°F 2 – Above 100°F, Not exceeding 200°F 1 – Above 200°F 0 – Will not burn</td> </tr> <tr> <td style="background-color: #000080; color: white; text-align: center;">SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER W Radioactive R</td> <td></td> <td style="background-color: #FF0000; color: white; text-align: center;">REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable</td> </tr> </table>	HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material		FIRE HAZARD Flash Points 4 – Below 73°F 3 – Below 100°F 2 – Above 100°F, Not exceeding 200°F 1 – Above 200°F 0 – Will not burn	SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER W Radioactive R		REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable	<p>GHS Classification</p> <table border="1" style="width: 100%;"> <tr> <td style="vertical-align: top;"> <p>Health</p> <p>Acute Toxicity: Not Established Skin Irritation: Not Established Eye Irritation: Not Established Skin Sensitization: NO</p> </td> <td style="vertical-align: top;"> <p>Environmental</p> <p>Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</p> </td> </tr> <tr> <td colspan="2" style="text-align: center;"> <p>Physical None</p> </td> </tr> </table>	<p>Health</p> <p>Acute Toxicity: Not Established Skin Irritation: Not Established Eye Irritation: Not Established Skin Sensitization: NO</p>	<p>Environmental</p> <p>Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</p>	<p>Physical None</p>	
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<p>Hazardous Statements</p> <p>H302: Harmful if swallowed H320: Causes eye irritation H335: May cause respiratory irritation</p>	<p>Precautionary Statements</p> <p>P102: Keep out of reach of children P270: Do not eat, drink or smoke when using this product</p>																	

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemicals</u>	<u>CAS#</u>	<u>EINECS#</u>	<u>REACH</u> <u>Pre-registration Number</u>	<u>Approx %</u>
Sodium Silicate	1344-09-8	215-687-4	N/A	25-75%
Kaolin	1332-58-7	310-194-1	N/A	20-60%
Calcium Silicate	13983-17-0	233-250-6	N/A	5-45%

*Unlisted ingredients are not classified as hazardous according to OSHA 1910.1200.

SECTION 4 – FIRST-AID MEASURES

<p>Inhalation: Remove to fresh air.</p> <p>Skin: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation persists seek medical attention.</p> <p>Eyes: Flush eyes with water a minimum of 15 minutes occasionally lifting lower and upper lids. Remove contact lenses if present and easy to do so, continue rinsing. Get medical attention.</p> <p>Ingestion: Rinse mouth. DO NOT INDUCE VOMITING. Contact physician immediately. Never give anything by mouth to an unconscious person.</p>

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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: None known.
Combustion Products: None known.
Extinguishing Media: Dry Chemical, Foam, Fog or Water Spray, Carbon Dioxide.
Unsuitable Extinguishing Media: None known.
Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Special Fire Fighting Procedures: Evacuate enclosed areas, stay upwind. Closed or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Minimize skin contact.
Protective Equipment: None.
Emergency Procedures: None.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.
Methods for Cleaning Up: Scoop or shovel into suitable receptacle. Wash area with water.

SECTION 7 – HANDLING AND STORAGE

<u>Handling</u>	<u>Storage</u>
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep containers closed when not in use. Keep out of reach of children.	Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Keep from freezing. Incompatible Materials: None known.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Chemicals</u>	<u>Exposure Limits</u>		<u>OSHA-PEL</u>
	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	
Sodium Silicate	10 mg/m ³ inhalable particulate 3 mg/m ³ respirable fraction	N/A	5 mg/m ³ respirable fraction 15 mg/m ³ total dust
Kaolin	2 mg/m ³ inhalable particulate	N/A	5 mg/m ³ respirable fraction 15 mg/m ³ total dust
Calcium Silicate	10 mg/m ³ total dust 3 mg/m ³ respirable fraction	N/A	5 mg/m ³ respirable dust 15 mg/m ³ total dust

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact.
Ventilation: Local ventilation is adequate.
Personal Protective Equipment – Respiratory: None required.
Personal Protective Equipment – Skin: Chemical resistant gloves. Apron/Long sleeves.
Personal Protective Equipment – Eyes: Splash goggles/Safety glasses.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: Grey	Flash Point: Not Established	Vapor Pressure: Not Established
Odor: Odorless	Specific Gravity: 2.1	Flammability: Not Established
pH: Not Established	Solubility (H₂O): Soluble	Flammability Limits: LEL – Not Established UEL – Not Established
Melting Point: >2500°F	Evaporation Rate: Not Established	
Freezing Point: Not Established	Vapor Density: Not Established	
Boiling Point: Not Established	VOC: 0 g/l	

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Conditions to avoid: None known.
Incompatible materials: None known.
Hazardous decomposition products: None known.

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SECTION 11 – TOXICOLOGICAL INFORMATION

<u>Hazardous Chemicals</u>	<u>LD₅₀</u>	<u>LC₅₀</u>
Sodium Silicate	N/A	N/A
Kaolin	N/A	N/A
Calcium Silicate	N/A	N/A

Likely Routes of Exposure: Skin Contact and Eye Contact.

Symptoms and Effect - Inhalation: None. **Skin Contact:** May cause itching, inflammation and irritation with prolonged over exposure.

Eye Contact: May produce watering, itching, and burning in the eyes. **Ingestion:** None.

Long-Term Effect: None known.

Pre-Existing Conditions: None known.

Carcinogenicity: Respirable silica from occupational sources is listed by IARC and NTP as a human carcinogen.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None known.

Persistence & Degradability: None known.

Bioaccumulative Potential: None known.

Mobility in soil: None known.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of product or container in accordance with federal, state or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. (U.S.): Not Regulated.

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: Health Hazard.

Risk Phrases: **R22-** Harmful if swallowed. **R36-**Irritant to eyes.

Safety Phrases: **S2-**Keep out of reach of children. **S16-**Keep away from sources of ignition-No smoking. **S25-**Avoid contact with eyes. **S26-**In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SECTION 16 – OTHER INFORMATION

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose.

UTILITY urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheets. 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, **UTILITY** cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified.

DATE: 2019-01-21