

# MATERIAL SAFETY DATA SHEET - 16 Sections

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|   |                                  |  |
|---|----------------------------------|--|
| Product Identifier<br>SAFE-T-FLUE CHIMNEY CLEANER<br>ITEM WI-21124, WI-21212, WI-21250, AW-2012 |                                  |  |
| Product Use<br>REDUCE AND REMOVE CREOSOTE FROM FLUES AND CHIMNEYS THROUGH REGULAR USE           |                                  |  |
| Manufacturer's Name<br>RUTLAND FIRE CLAY COMPANY  |                                  | EMERGENCY CONTACT<br>CHEMTREC                          |
| Street Address<br>7 CRABTREE ROAD   |                                  | EMERGENCY DOMESTIC PHONE NUMBER<br>800-424-9300        |
| City<br>JACKSONVILLE  | State<br>IL                      | EMERGENCY INTERNATIONAL CONTACT NUMBER<br>703-527-3887 |
| Zip code<br>62650   |                                  |  |
| Date MSDS Prepared<br>November 5, 2010  | MSDS Prepared By<br>GENE ADDISON | Phone Number<br>217-245-7810                           |

## SECTION 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients ( <i>specific</i> ) | %               | CAS Number | LD <sub>50</sub> of Ingredient<br>( <i>specify species and route</i> ) | LC <sub>50</sub> of Ingredient<br>( <i>specify species</i> ) |
|---|-----------------|------------|--|--|
| TRISODIUM PHOSPHATE                       |                 | 10101-89-0 | LD <sub>50</sub> ORAL RAT 7400 mg/kg                                   |  |
| BENTONITE CLAY (QUARTZ)                   |                 | 14808-60-7 |  |  |
| TRIDYMITTE                                | 0-1 % OF QUARTZ | 15468-32-3 |  |  |
| CRISTOBALITE                              | 0-1% OF QUARTZ  | 14464-46-1 |  |  |
|   |                 |            |  |  |

## SECTION 3 -- HAZARD IDENTIFICATION

|   |                           |
|---|---------------------------|
| Route of Entry<br><input checked="" type="checkbox"/> SKIN CONTACT <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE CONTACT <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION |                           |
| [Emergency Overview]<br>SOLID CHEMICAL CONTAINING MATERIALS THAT CAN BE IRRITATING TO SKIN, EYE, OR INHALED   |                           |
| [Potential Health Effects]  |                           |
| ROUTES OF ENTRY   | ON SKIN OR VIA INHALATION |
| TARGET ORGANS   | NONE ESTABLISHED          |
| IRRITANCY   | SKIN AND EYE              |
| SENSITIZING CAPABILITY  | NONE ESTABLISHED          |
| REPRODUCTIVE EFFECTS  | NONE ESTABLISHED          |
| CANCER INFORMATION  | NONE ESTABLISHED          |

## SECTION 4 -- FIRST AID MEASURES

|              |  |
|--------------|--|
| Skin Contact | CONTACT WITH HUMIDITY OF SKIN OR MUCOUS MEMBRANES WILL CAUSE A REACTION WITH RESULTANT BURNS |
| Eye Contact  | CONTACT WILL CAUSE ALKALINE BURNS  |
| Inhalation   | CHRONIC DUST EXPOSURE MAY CAUSE SOME LOSS OF LUNG FUNCTION                                   |
| Ingestion    | IRRITANT, CONTACT A PHYSICIAN  |

**Product Identifier**

**SECTION 5 -- FIRE FIGHTING MEASURES**

|   |                               |
|---|-------------------------------|
| Flammable <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO             | If yes, under what conditions |
| Means of Extinction<br>WATER SPRAY, FOAM, CARBON DIOXIDE, OR DRY CHEMICAL                 |                               |
| Flashpoint (°F) and Method<br>N/A   |                               |
| Auto ignition Temperature (°F)<br>N/A   |                               |
| Hazardous Combustion Products<br>CARBON MONOXIDE, CARBON DIOXIDE, HYDROCARBON BY PRODUCTS |                               |

**SECTION 6 -- ACCIDENTAL RELEASE MEASURES**

|  |
|--|
| Environmental Precautions<br>PREVENT LARGE QUANTITY OF MATERIAL FROM BEING WASHED INTO WATERWAYS OR SEWERS |
| Cleanup Procedures<br>SWEEP UP FOR DISPOSAL IN APPROVED LANDFILLS  |
| Personal Protection<br>WEAR SAFEWAY EYEWEAR, IMPERVIOUS GLOVES, AND RESPIRATORS FOR LARGE SPILLS           |

**SECTION 7 -- HANDLING AND STORAGE**

|   |
|---|
| Handling Procedures and Equipment   |
| Special Mixing and Handling Instructions                                    |
| Storage Requirements<br>KEEP CONTAINER TIGHTLY CLOSED AND PROPERLY LABELED. |

**SECTION 8 -- EXPOSURE CONTROL / PERSONAL PROTECTION**

|  |
|--|
| Exposure Limits<br><input checked="" type="checkbox"/> ACGIH TLV 20 mg/m <sup>3</sup> <input checked="" type="checkbox"/> OSHA PEL 30 mg/m <sup>3</sup> <input type="checkbox"/> OTHER (Specify)   |
| Specific Engineering Controls (Such as ventilation, enclosed process)<br>GENERAL VENTILATION   |
| Personal Protective Equipment<br><input checked="" type="checkbox"/> GLOVES <input type="checkbox"/> RESPIRATOR <input checked="" type="checkbox"/> EYEWEAR <input type="checkbox"/> FOOTWEAR <input type="checkbox"/> CLOTHING <input type="checkbox"/> OTHER |
| If checked, please specify type<br>GLOVES    USE LATEX, VINYL, OR RUBBER GLOVES WHILE WORKING WITH PRODUCT<br>EYEWEAR    WEAR GLASSES OR SAFETY GLASSES WHILE APPLYING PRODUCT   |

**Product Identifier**

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

|   |   |  |
|---|---|--|
| Physical State<br>SOLID GRANULAR MATERIAL | Odor and appearance<br>WHITE TO GRAY<br>NO ODOR | Odor Threshold (ppm)<br>N/A                |
| Specific Gravity<br>1.0                   | Vapor Density (Air = 1)<br>N/A                  | Vapor Pressure (mmHg)<br>N/A               |
| Evaporation Rate (Butyl Acetate=1)<br>N/A | Boiling Point (°F)<br>N/A                       | Freezing Point (°F)<br>N/A                 |
| pH 2-3                                    | Coefficient of Water/Oil Distribution<br>N/A    | [Solubility in Water]<br>PARTIALLY SOLUBLE |

**SECTION 10 -- STABILITY AND RELIABILITY**

|  |  |
|--|--|
| Chemical Stability<br><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO                    | If no, under which conditions?                 |
| Incompatibility with other substances<br><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | If yes, which ones?<br>STRONG OXIDIZING AGENTS |
| Reactivity, and under what conditions?<br>REACTION WILL OCCUR RAPIDLY UNDER HUMID CONDITIONS                 |  |
| Hazardous Decomposition Products<br>ACRID SMOKE PRODUCED WHEN BURNED   |  |

**SECTION 11 -- TOXICOLOGICAL INFORMATION**

|   |   |
|---|---|
| Effects of Acute Exposure<br>NONE TO VERY SLIGHT IRRITATION WITH SHORT TERM CONTACT UNDER NORMAL DRY CONDITIONS<br>NO INHALATION PROBLEMS UNDER NORMAL USAGE<br>DUST IN THE EYES MAY CAUSE IRRITATION. FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION |   |
| Effects of Chronic Exposure<br>NORMAL USE OF PRODUCT WILL NOT RESULT IN CHRONIC EXPOSURE  |   |
| Irritancy of Product<br>MILD TO SLIGHT  |   |
| Skin Sensitization<br>NOT LISTED  | Respiratory Sensitization<br>NOT LISTED |
| Carcinogenicity-IARC<br>NOT LISTED  | Carcinogenicity-ACGIH<br>NOT LISTED     |
| Reproductive Toxicity<br>NOT LISTED   | Teratogenicity<br>NOT LISTED            |
| Embryotoxicity<br>NOT LISTED  | Mutagenicity<br>NOT LISTED              |
| Name of Synergistic Products/Effects<br>NONE ESTABLISHED  |   |

**Product Identifier**

**SECTION 12 -- ECOLOGICAL INFORMATION**

|                  |  |
|------------------|--|
| Aquatic Toxicity | MATERIAL CAN BE TOXIC TO AQUATIC LIFE DUE TO LOWERING OF pH OF WATER |
| LD <sub>50</sub> | ORAL RAT 3730 mg/kg  |
|                  |  |

**SECTION 13 -- DISPOSAL CONSIDERATIONS**

|                |   |
|----------------|---|
| Waste Disposal | DISPOSE OF ALL WASTE IN ACCORD WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS |
|                |   |

**SECTION 14 -- TRANSPORT INFORMATION**

|   |  |
|---|--|
| Special Shipping Information  |  |
|   | PIN  |
| TDG<br>Not regulated unless it is sent out as a waste.  | [DOT]<br>Not regulated at less than 5000pounds of TSP  |
| [IMO]<br>UN 3077 Environmentally Hazardous Substance, solid, n.o.s.,<br>(sodium phosphate, tribasic), 9.III | [ICAO]<br>UN 3077 Environmentally Hazardous Substance, solid, n.o.s.,<br>(sodium phosphate, tribasic), 9.III |

**SECTION 15 -- REGULATORY INFORMATION**

|  |   |
|--|---|
| SARA<br>SECTION 302 RQ & TPQ<br>TRISODIUM PHOSPHATE DEFAULT VALUE 10,000 LBS   | [OSHA]<br>OSHA HAZARDOUS MATERIALS IN PRODUCT                   |
| SARA<br>SECTION 313<br>NONE LISTED   | [TSCA] ALL INGREDIENTS ON TSCA LIST<br>SIGNIFICANT NEW USE RULE |
| CLEAN AIR ACT<br>CONTAINS NO HAZARDOUS AIR POLLUTANTS  | [TSCA]<br>HEALTH & SAFETY REPORTING LIST NOT ON LIST            |
| CLEAN WATER ACT<br>NOT LISTED AS PRIORITY OR TOXIC POLLUTANT   | CHEMICAL TEST RULES NOT UNDER RULES<br>SECTION 12b NOT LISTED   |
| STATE RIGHT TO KNOW LISTS<br>NOT ON ANY STATE LIST   | CERCLA<br>NOT REPORTABLE  |
| EUROPEAN /INTERNATIONAL REGULATIONS<br>HAZARDOUS LABELING IN ACCORDANCE WITH EC DIRECTIVES<br>HAZARD SYMBOLS<br>RISK PHRASES<br>SAFETY PHRASES | NON HAZARDOUS   |

**SECTION 16 -- OTHER INFORMATION**

|   |  |
|---|--|
| <p>THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS, TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO EVENT SHALL RUTLAND FIRE CLAY COMPANY BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF RUTLAND HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.</p> |  |
| <p>HMIS Rating</p> <p>Health : 1</p> <p>Flammability : 0</p> <p>Reactivity : 0</p>  | <p>NFPA Rating</p> <p>Health : 1</p> <p>Flammability : 0</p> <p>Reactivity : 0</p> |