

MATERIAL SAFETY DATA SHEET

Richardson Chemical Co.
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Milwaukee, WI 53224

GENERAL INFORMATION NUMBER: 414-354-6417
CHEMTREC: (800) 424-9300

REVISION DATE: November 11, 2004
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I - Product Identification

Coil Clean Powder

PRODUCT CODE: 0780

CHEMICAL FORMULATION: Powdered detergent.

NFPA HAZARD IDENTIFICATION SYSTEM: **HEALTH:** 3 **FLAMMABILITY:** 0 **REACTIVITY:** 0
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX</u>	<u>OSHA</u>	<u>ACGIH</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
	<u>%</u>	<u>PEL</u>	<u>TLV</u>	<u>302</u>	<u>355</u>	<u>372</u>	
Sodium Metasilicate	> 90.0	15 mg/mg ³ (as total dust)	N/E	N	N	N	6834-92-0

Key: **PEL:** Permissible Exposure Limit **TLV:** Threshold Limit Value **C:** Ceiling level **STEL:** Short Term Exposure Limit
N/A: Not Applicable **N/D:** Not Determined **N/E:** Not Established **Y:** Yes **N:** No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/A **SPECIFIC GRAVITY (WATER = 1):** N/A
VAPOR PRESSURE (mm Hg): N/A **VOC CONTENT (% by weight):** 0
VAPOR DENSITY (AIR = 1): N/A **EVAPORATION RATE (WATER = 1):** N/A
SOLUBILITY IN WATER: Soluble **pH:** 12.4 in 1% water (wt/wt)
APPEARANCE AND ODOR: White granules, no odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A **(TEST METHOD):**
FLAMMABLE LIMITS IN AIR (VOLUME %) **UPPER:** N/A **LOWER:** N/A
EXTINGUISHING MEDIA: Use extinguishing method suitable for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus. Dike area to prevent runoff and contamination of water sources.
UNUSUAL FIRE AND EXPLOSION HAZARD: Not combustible.

V - Reactivity Data

STABILITY: Stable**INCOMPATIBILITY:** Moisture, aluminum, fluorine, zinc & acids.**CONDITIONS TO AVOID:** Excess heat and open flame.**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None**EFFECTS OF OVEREXPOSURE****IF IN EYES:** Corrosive. Causes burns, irritation and destruction of tissue.**IF ON SKIN:** Corrosive. Causes burns.**IF SWALLOWED:** Causes nausea, vomiting, abdominal pain, burns to mouth and esophagus.**IF INHALED:** May cause upper respiratory tract irritation, dizziness, headache, shortness of breath, chest pain muscle weakness, nausea, vomiting, serious damage to lung tissue and respiratory tract.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Continue irrigation of eyes while obtaining medical attention.**IF ON SKIN:** Flush skin with water for at least 15 minutes. Remove contaminated clothing and launder separately before reuse. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Give affected person 2 to 3 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.**IF INHALED:** Remove person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, administer artificial respiration.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Contain spill. Scoop up spilled material for reuse or place in a properly marked closed container for proper disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Safety glasses.**OTHER PROTECTIVE EQUIPMENT:** None.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place. Keep container tightly closed when not in use.**OTHER PRECAUTIONS:** Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Disodium Trioxosilicate**DOT CLASS:** 8**DOT ID NUMBER:** UN3253**DOT PACKING GROUP:** III

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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