

MATERIAL SAFETY DATA SHEET

Richardson Chemical Co.
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GENERAL INFORMATION NUMBER: 414-354-6417
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REVISION DATE: November 9, 2004
DATE OF ISSUE: November 11, 2004

I - Product Identification

Automatic Powder

PRODUCT CODE: 0664

CHEMICAL FORMULATION: Powder detergent.

NFPA HAZARD IDENTIFICATION SYSTEM:

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 1

HAZARD RATING:

4 - Extreme;

3 - High;

2 - Moderate;

1 - Slight;

0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Sodium Metasilicate	25.0-35.0	N/E	N/E	N	N	N	6834-92-0
Sodium Dichloroisocyanurate Dihydrate	1.00-5.00	N/E	N/E	N	N	N	51580-86-0
Linear Alcohol Alkoxylate	1.00-5.00	N/E	N/E	N	N	N	68987-81-5
Sodium Tripolyphosphate	30.0-40.0	N/E	N/E	Y	N	N	7758-29-4
Sodium Carbonate	10.0-20.0	N/E	N/E	N	N	N	497-19-8
Sodium Sulfate	10.0-20.0	N/E	N/E	N	N	N	7757-82-6

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): N/A

VAPOR DENSITY (AIR = 1): N/A

EVAPORATION RATE (WATER = 1): N/A

SOLUBILITY IN WATER: Soluble

pH: N/A

APPEARANCE AND ODOR: Fine, white powder; slight chlorine odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/A

LOWER: N/A

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus. Fire may produce hazardous fumes.

UNUSUAL FIRE AND EXPLOSION HAZARD: Powder may produce chlorine gas when wet.

V - Reactivity Data

STABILITY: Stable**INCOMPATIBILITY:** Acidic and reducing material.**CONDITIONS TO AVOID:** None**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon and chlorine gas.**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:** Severe irritation, destruction of tissue.**IF ON SKIN:** Moderate to severe irritation, burns and ulcerations.**IF SWALLOWED:** Burns to mucous membranes, nausea, cramps, and diarrhea.**IF INHALED:** Irritation to upper 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 and obtain medical attention.**IF ON SKIN:** Flush with water for at least 15 minutes. Remove contaminated clothing and laundry before re-use. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Rinse mouth with water. Give affected person 1 to 2 glasses of water. Do not induce vomiting unless instructed by a physician or poison control center. Never give anything to an unconscious person.**IF INHALED:** Remove person to fresh air. Call physician immediately.

VII - Spill or Leak Protection

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

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe dusts.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Chemical goggles or safety glasses.**OTHER PROTECTIVE EQUIPMENT:** Emergency eye wash station.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place, away from acids. 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: Corrosive solid, basic, inorganic, n.o.s. (sodium metasilicate, anhydrous)**DOT CLASS:** 8**DOT ID NUMBER:** UN 3262**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.

REVISION DATE: November 9, 2004**Prepared by:** PMR**DATE OF ISSUE:** November 11, 2004

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