

# MATERIAL SAFETY DATA SHEET

Total Solutions  
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MSDS8830

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

REVISION DATE: August 25, 2008  
DATE OF ISSUE: August 25, 2008

## I - Product Identification

### Laundry Detergent

PRODUCT CODE: 0666

CHEMICAL FORMULATION: Powdered detergent.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

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>%</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
				<u>302</u>	<u>355</u>	<u>372</u>	
Sodium metasilicate	1.00-10.0	N/E	N/E	N	N	N	6834-92-0
Poly (oxyethylene) nonylphenol	1.00-10.0	N/E	N/E	N	N	N	9016-45-9
Sodium carbonate	35.0-45.0	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
Sodium tripolyphosphate	15.0-25.0	N/E	N/E	Y	N	N	7758-29-4

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/D

**VOC CONTENT (% by weight):** N/A

**VAPOR DENSITY (AIR = 1):** N/D

**EVAPORATION RATE (WATER = 1):** N/A

**SOLUBILITY IN WATER:** Soluble

**pH:** N/A

**APPEARANCE AND ODOR:** Fine, white powder; no odor.

## IV - Fire and Explosion Hazard Data

**FLASH POINT (°F):** N/A    **(TEST METHOD):** N/A

**FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER:** N/A    **LOWER:** N/A

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

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** None.

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**V - Reactivity Data**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Acids

**CONDITIONS TO AVOID:** None.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

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**VI - Health Hazard Data**

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**ROUTES OF ENTRY INHALATION:** **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:** Irritation, redness, tearing.

**IF ON SKIN:** Mild to moderate irritation, dryness, and defatting with prolonged or repeated exposure.

**IF SWALLOWED:** Gastrointestinal irritation, burns to mucous membranes, nausea, cramps, diarrhea.

**IF INHALED:** Irritation to 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. If irritation persists, obtain medical attention.

**IF ON SKIN:** Flush skin with water while removing contaminated clothing. If irritation persists, obtain medical attention. Launder clothing before reuse.

**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 by mouth to an unconscious person.

**IF INHALED:** Remove person to fresh air. If irritation persists, obtain medical attention.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Sweep up spilled material for reuse or place in a properly marked closed container for proper disposal.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation.

**VENTILATION**

**LOCAL:** Not required

**MECHANICAL:** Not required

**PROTECTIVE GLOVES:** None under normal use.

**EYE PROTECTION:** None under normal use.

**OTHER PROTECTIVE EQUIPMENT:** None.

**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.

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**IX - Transportation Information (ground transportation only)**

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**DOT ID NUMBER:** None

**DOT PROPER SHIPPING NAME:** None

**DOT CLASS:** None

**DOT PACKING GROUP:** None

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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**REVISION DATE:** August 25, 2008

**Prepared by:** Technical Dept.

**DATE OF ISSUE:** August 25, 2008

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