

# WALTER E. NELSON CO.

## MATERIAL SAFETY DATA SHEET

# MACHINE DISH COMPOUND

Date Prepared: 1-21-04 By Charles D. Werner

### SECTION 1 - PRODUCT IDENTIFICATION

Distributor Name: Walter E. Nelson Company  
Address: 5937 N. Cutter Circle, Portland, OR 97217  
Trade Name: MACHINE DISH COMPOUND  
PRODUCT CODE: FPKACTWX

Emergency Phone No: 1-800-228-5635 ext. 059  
Product Type: Powdered Automatic Dishwash Detergent  
Formula:

### SECTION 2 - HAZARDOUS INGREDIENTS

| Chemical Name/Common Name:                 | CAS NO.    | PERCENT (optional) | TLV (Source) |
|--|------------|--------------------|--------------|
| Sodium Dichloro-S-Triazonetrione Dihydrate | 51580-86-0 | <5                 | 3 PPM OSHA   |
| Silic Acid                                 | 1344-09-8  | <30                | none         |
| Sodium Metasilicate                        | 6834-92-0  | <30                | none         |

NOTE: ACGIH - TLV-TWA for nuisance dust is 10 mg/cu m total dust or 5 mg/cu m respirable dust.

No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present

This product may contain chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

### SECTION 3 - PHYSICAL DATA

Boiling Point: (F) N/A  
Vapor Pressure: (mm/Hg) N/A  
Solubility In Water: Complete  
Evaporation Rate (Vs ether) N/A  
Appearance and Odor: Crystalline solid, powder, or granules. Chlorine odor.

Specific Gravity: (H<sub>2</sub>O = 1.0) N/A  
Vapor Density: N/A  
pH: N/A

### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.): NONE  
Flammable Limits: Upper N/A Lower N/A

Extinguishing Media: water Fog.

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and full protective clothing. Use Water spray to cool nearby containers and structures exposed to fire.

Unusual Fire and Explosion Hazards: At temperatures over 400F chlorine containing gases with traces of phosgene may be liberated.

### SECTION 5 - REACTIVE DATA

Stability: Stable  
Incompatibility: Strong oxidizers, acids.

Hazardous Decomposition Products: At temperatures above 400F toxic gases are liberated containing nitrogen tri-chloride, chlorine & phosgene

### SECTION 6 - HEALTH HAZARDS

Threshold Limit Value - Product (See Section 2 for Ingredient TLV) None Established

Primary Routes of Exposure: Eye - yes Skin-Not Established Oral-yes Inhalation-yes Other

Signs and Symptoms of Over-exposure (Acute): EYES: Dusts will irritate the eye. INHALATION: Dusts are irritating to the entire respiratory tract. SKIN: Prolonged contact will irritate the skin and may cause irritant dermatitis. PRODUCT IS ALKALINE - USE CAUTION.

Signs and Symptoms of Over-exposure (Chronic): The effects of longterm, low level exposure to this product have not been determined. Safe handling of this material on a long term basis should emphasize the avoidance of all effects from repetitive acute exposure.

Medical Conditions Aggravated by Over-exposure: Persons with pre-existing skin disorders, eye problems, impaired respiratory function may more susceptible to effects.

Carcinogen or Suspect Carcinogen Ingredients: NTP - NO IARC - NO OSHA - NO NONE

### SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with immediately with lots of running water for at least 15 minutes holding eyelids open. Get medical attention.

Skin: Wash skin with water. PRODUCT IS ALKALINE continue to rinse until no longer slippery. Remove contaminated clothing & shoes. Wash before reuse.

Ingestion: DO NOT INDUCE VOMITING If vomiting occurs spontaneously, keep victims head below his hips to prevent his breathing vomitus into his lungs. Drink 1 to 8 glasses of water or milk to dilute. Call physician or poison control center immediately. Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.

Inhalation: Get to fresh air.

### SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: not normally required  
Ventilation Requirements: Adequate ventilation required. Mechanical required if necessary to maintain exposure below PEL.

Protective Gloves: Wear resistant gloves if excessive exposure is anticipated. Eye Protection: Not normally required. Recommended if used overhead or misting or spraying.

Other Protective Clothing: Where gross eye and skin contact may occur use and wear appropriate protective clothing, including resistant clothing, rubber boots with pants on the outside, and rubber gloves.

### SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled: For small spills, sweep and contain. For large spills, shovel and sweep up and contain. Rinse with water.

Waste Disposal Methods: Note that the contaminates of the product must be consider when disposing. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.

### SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage: Store in a cool dry, well ventilated place away from incompatible materials.  
Keep container tightly closed when not in use.

# WALTER E. NELSON COMPANY

## WENCO<sup>Brand</sup> CLEANING SYSTEMS

# MACHINE DISH COMPOUND

### Description:

**MACHINE DISH COMPOUND** is designed for heavy duty machine dishwashing operations. This product is ideal for high volume feeding operations where high soil loads and stubborn stain problems are encountered, and is excellent for use on plastic dishware. **MACHINE DISH COMPOUND** is chlorinated for effective removal of proteinaceous soils. **MACHINE DISH COMPOUND** contains three builders for effective removal of heavy soil and grease. It contains the necessary chemicals for water softening and soil suspension. This product contains organic rinsing agents which provide free rinsing action, eliminating water spotting. **MACHINE DISH COMPOUND** meets the requirements for Phosphate content in the State of Oregon and all phosphate restricted areas.

### Use Directions:

#### **REGULAR MACHINE DISHWASHING:**

Use 2 ounces of **MACHINE DISH COMPOUND** per gallon of water. No need to add more product as rinse water dilutes solution.

#### **DE-STAINING:**

Soak badly stained china or plastic ware in a solution of 6 ounces of **MACHINE DISH COMPOUND** per gallon of water overnight.

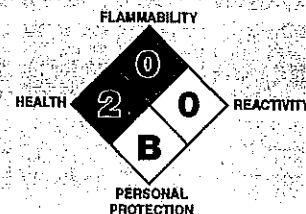
### Available Packages:

✓ **30 Pound Pail**



## TECHNICAL DATA

Form: White Granular Powder  
pH 1% Solution: 12.0 - 12.5  
Foam: None  
Chlorine: 2 % Available  
Solvents: None  
Biodegradable: Yes  
Free Caustic: None  
Phosphates: 5.3% P  
Active Alkalinity: 32% Na<sub>2</sub>O



Walter E. Nelson Co. Corporate  
Portland, OR 97217  
(503) 285-3037

Coastal Paper & Supply  
North Bend, OR 97459  
(541) 756-6770

Crown Paper & Janitorial Supply  
Walla Walla, WA 99362  
(509) 529-4561

Walter E. Nelson Seattle Branch  
Kirkland, WA 98034  
(425) 814-2665

Walter E. Nelson Eugene Branch  
Eugene, OR 97402  
(541) 344-0651

Astoria Janitor & Paper Supply Co.  
Astoria, OR 97103  
(503) 325-6362

Barco Supply  
Klamath Falls, OR 97601  
(541) 884-9064 - (800) 642-2571

Juniper Paper & Supply  
Bend, OR 97702  
(541) 312-4070

Walter E. Nelson Spokane Branch  
Spokane, WA 99202  
(509) 755-0870