

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Mrs. Meyers Clean Day Automatic Dish Packs
All Fragrances

Intended Use: Automatic Dishwasher Detergent

Manufacturer: The Caldrea Company
420 North Fifth St.
Ford Centre, Suite 600
Minneapolis, MN 55401

Telephone: 612-371-0003 **Fax:**

Emergency Information: 612-371-0003

MSDS Date of Preparation: 12/12/06

HMIS Hazard Ratings

Health	2
Fire	0
Reactivity	1

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Sodium Citrate	68-04-2	10-30%
Sodium Carbonate	497-19-8	10-30%
Sodium Percarbonate	15630-89-4	5-10%
Sodium Silicate	1344-09-8	5-10%
Acrylic Acid Sodium Salt Polymer	Proprietary	1-5%
Amorphous Silica	112926-00-8	1-5%
Non-Ionic Surfactant	Proprietary	1-5%

3. HAZARDS IDENTIFICATION

This product is a white powder with a pleasant odor.

EMERGENCY OVERVIEW

CAUTION!

May cause severe eye irritation and possibly burns. May cause skin and respiratory tract irritation. May be harmful if swallowed. Ingestion may cause gastrointestinal irritation and other adverse effects.

4. FIRST AID MEASURES

Eye: Immediately flush victim's eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get immediate medical attention.

Skin: If contact occurs, wash thoroughly with soap and water. Remove and launder contaminated clothing before re-use. Get medical attention if irritation develops.

Ingestion: Call Poison Control Center or hospital emergency department and follow their instructions. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person.

Inhalation: Inhalation overexposure is unlikely, however, if irritation occurs, remove victim to fresh air. Get medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

Flashpoint: None

Flammable Limits: LEL: Not applicable UEL: Not applicable

Autoignition Temperature: None

Extinguishing Media: Use media appropriate for surrounding fire.

Unusual Fire or Explosion Hazards: None known.

Special Fire-Fighting Instructions: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

Explosion Data (sensitivity to mechanical impact or static discharge): None known.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing as described in Section 8.

Small Spills: Flush to sewer with water, or carefully sweep up, avoiding the creation of airborne dust and place in container for disposal. Wash spill area with water.

Large Spills: Evacuate spill area and keep unprotected personnel away. Vacuum or sweep up, avoiding the generation of airborne dust and place in an appropriate containers for disposal. Wash spill area with water. Prevent large spills from entering sewers and watercourses. Report releases as required by local, state and federal authorities.

Refer to Section 13 for disposal information.

7. HANDLING AND STORAGE

Handling: Prevent contact with the eyes. Avoid skin contact. Avoid breathing dust. Wash thoroughly with water after handling. Keep containers closed when not in use.

Storage: Store in a cool, dry place. Keep container closed when not in use. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Sodium Citrate	None Established
Sodium Carbonate	None Established
Sodium Percarbonate	5 mg/m ³ TWA (manufacturer recommended)
Sodium Silicate	None Established
Acrylic Acid Sodium Salt Polymer	None Established
Amorphous Silica	80 mg/m ³ /%SiO ₂ PEL-TWA
Non-Ionic Surfactant	None Established

Engineering Controls: General room ventilation will be adequate for normal use. If handling produces dust, use local exhaust ventilation to minimize exposure levels.

Respiratory Protection: None normally required. In operations where exposure levels are excessive, a NIOSH approved respirator with dust/mist cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin Protection: None normally required. Wear impervious gloves such as rubber if direct skin contact is likely.

Eye Protection: Avoid eye contact. Chemical safety goggles recommended where eye contact is possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: White powder with a pleasant odor.

Physical State: Powder

Boiling Point: Not applicable

Vapor Density: Not applicable	Vapor Pressure: Not applicable
Solubility In Water: Complete	Evaporation Rate: Not applicable
Specific Gravity: Not determined	pH: Not applicable
Melting Point: Not available	Octanol/Water Coefficient: Not determined

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and handling conditions.

Incompatibility: Strong oxidizing agents, acids and bases, metals, salts of heavy metals, reducing agents.

Hazardous Decomposition Products: Thermal decomposition may yield oxides of carbon and oxides of sulfur. Reaction with acids will generate hydrogen and carbon dioxide gas.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Ingestion: May cause gastrointestinal irritation including nausea, vomiting, diarrhea, bloating, and cramps.

Inhalation: Inhalation of dust may cause nose, throat and upper respiratory tract irritation.

Eye: May cause severe irritation with possible eye damage.

Skin: May cause irritation, particularly on prolonged contact.

Chronic: Prolonged or repeated inhalation of dust may cause severe irritation and possible lung damage.

Carcinogenicity: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

Medical Conditions Aggravated by Exposure: Employees with pre-existing skin disease.

Product Acute Toxicity Values:

Sodium Citrate	No applicable data available
Sodium Carbonate	LD50 Oral Rat: 4090 mg/kg LC50 Inhalation Rat: 2.3 mg/L/2 hr
Sodium Percarbonate	LD50 Oral Rat: 1034 mg/kg LD50 Dermal Rabbit: >2000 mg/kg LC50 Inhalation Rat >4580 mg/m ³ /1 hr
Sodium Silicate	LD50 Oral Rat: 1960 mg/kg LD50 Dermal Rabbit: >4640 mg/kg
Acrylic Acid Sodium Salt Polymer	LD50 Oral Rat: >5000 mg/kg LD50 Dermal Rabbit: >5000 mg/kg
Non-Ionic Surfactant	LD50 Oral Rat: 2745 mg/kg LD50 Dermal Rabbit: >3000 mg/kg

Product Irritation/Sensitization Data:

Sodium Carbonate	Eye irritation rabbit – severe irritant Skin irritation rabbit – non-irritating to intact skin
Sodium Percarbonate	Eye irritation rabbit – severe damage Skin irritation rabbit – slight irritant
Sodium Silicate	Eye irritation rabbit – severe damage
Acrylic Acid Sodium Salt Polymer	Eye irritation rabbit – no irritation Skin irritation rabbit – slight irritant
Non-Ionic Surfactant	Eye irritation rabbit – Irritating Skin irritation rabbit – Non-irritating

12. ECOLOGICAL INFORMATION

Sodium Carbonate	LC50 96h Daphnia: 265-565 mg/l LC50 96h Bluegill Sunfish: 300-320 mg/l
Sodium Percarbonate	LC50 96h Pimephales Promelas: 70.7 mg/l LC50 48h Daphnia: 4.9 mg/l
Acrylic Acid Sodium Salt Polymer	LC50 96h Rainbow Trout: 700 mg/l EC50 48h Daphnia: >1000 mg/l
Non-Ionic Surfactant	LC50 96h Fish: 1-10 mg/l EC50 48h Daphnia: 1-10 mg/l

13. DISPOSAL CONSIDERATIONS

It is the responsibility of the waste generator to determine the classification of waste at the time of disposal. Dispose in accordance with local, state and federal environmental regulations.

14. TRANSPORT INFORMATION

Dot Hazardous Materials Description:

Proper Shipping Name: Not Regulated

UN Number: None

Hazard Class/Packing Group: None

Labels Required: None

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

California Proposition 65: This product contains the following substances known to the State of California to cause cancer and/or reproductive harm: None

CANADA:

This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

Canadian CEPA: All the components of this product are listed on the Canadian DSL or the NDSL.

Canadian WHMIS Classification: Class D-2-B (eye, skin and respiratory irritant)

16. OTHER INFORMATION

NFPA Rating: Health = 2 Fire = 0 Reactivity = 0