

COASTWIDE LABORATORIES Formerly Paulsen & Roles Laboratories 10000 SW Commerce Circle Wilsonville, OR 97070 Office PHONE: 503-416-6300 or FAX 503-416-5301 24-HR EMERGENCIES: MEDICAL 800-808-4691	Hazard Rating	HMIS	NFPA
	Health	2	2
	Flammability	0	0
	Reactivity	0	0
	Special	None	None
		DOT CHEMTREC: 800-424-9300	

MATERIAL SAFETY DATA SHEET

Complies with ANSI Z400.1 Format

SECTION 1: PRODUCT IDENTIFICATION

Product: **DISH BRITE™** MSDS CODE: CL120.0201

GENERIC DESCRIPTION	DATE ISSUED	SUPERSEDES	PREPARED BY
Powdered Automatic Dish Detergent	3-1-01	2-1-00	Regulatory Affairs Department

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Components*	% by Wt.	CAS #	Exposure Limit
Sodium dichlorocyanurate, dihydrate	120	51580-86-0	5 MG/M3 OSHA PEL, 5MG/M3 ACGIH TLV
Balance is sodium sulfate and similar non-hazardous ingredients.			
*There are no components in this product that are currently reportable in either SARA Title III: Section 313, 40 CFR part 372 or the California Proposition 65 requirements. Contains no materials currently listed as hazardous by OSHA, NTP, IARC or EPA.			
NA = Not applicable NSR = No Special Requirements ND = Not Determined PEL = OSHA TLV-TWA = ACGIH			

SECTION 3: HAZARD IDENTIFICATION

Primary Entry Routes: Skin, eyes, ingestion and inhalation. **Signs & Symptoms of Exposure:** Direct contact of product with eyes or skin may cause severe irritation. Prolonged or repeated contact of product with skin and eyes may cause redness and irritation. **Inhalation:** May have irritation dust. **Ingestion:** Can cause irritation of mucous membranes.

Effects of Overexposure: Can cause eye damage. Avoid contact with eyes and skin.

SECTION 4: FIRST AID MEASURES

Emergency First Aid Procedures: **EYES/SKIN:** In case of contact with eyes or skin, immediately flush eyes and skin with plenty of water for at least 15 minutes. Get prompt medical aid. **INGESTION:** If swallowed, drink large amounts of water or milk and seek medical aid. **INHALATION:** If inhaled, remove to fresh air immediately.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: NONE **Flammable Limits:** None **Extinguishing Media:** Flood with water—Remove source of outside heat. Will not sustain thermal decomposition if outside heat source is removed.

Special Fire Fighting Procedures: None Known **Unusual Fire Hazards:** Although this material does not meet the criteria for flammability, it will burn in the presence of a strong ignition source.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Release or Spill: Sweep up and dispose of spilled material. Rinse affected area thoroughly with large amounts of water to the sewer. Make certain sewer is free of ammonia type products. All Federal, State and Local regulations should be carefully followed.

SECTION 7: HANDLING AND STORAGE

Keep out of reach of children. Store in a dry place. Wash your hands thoroughly after handling. Empty container may contain small amounts of concentrated detergent. Be certain to dispose of according to all regulations.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection: No special requirements for normal use conditions. Use a dust mask if dust is excessive.

Protective Gloves: Gloves should be worn when excessive skin contact cannot be avoided.

Eye Protection: Eye protection is recommended in all industrial workplaces

Other Protective Measures: Use good personal hygiene practices. Keep this product from collecting inside footwear.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: White dry powder Boiling Point: NA Evap. Rate: NA pH: NA
Vapor Density: NA Vapor Pressure: NA Specific Gravity: 2.20 Solubility in Water: Miscible % Volatile: NA

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable Conditions to Avoid: None known to COASTWIDE Incompatibility: None known to COASTWIDE
Hazardous Decomposition Products: Chlorine containing gases can be produced. Traces of phosgene can be liberated at high temperatures (above 400 degrees F). Hazardous Polymerization: Will not occur Conditions to Avoid: Avoid contact with water during storage. Also, contact with easily oxidized organic material, ammonia, urea or similar nitrogen containing compounds, inorganic reducing compounds, calcium hypochlorite and alkalies.

SECTION 11: TOXICOLOGICAL INFORMATION

Oral Toxicity: ORAL LD50: 735 MG/KG (RAT), DERMAL LD50: > 2 GM/KG (RABBIT)

SECTION 12: ECOLOGICAL INFORMATION

After this product's use, it will biodegrade in sewage systems and/or the environment. Contains no alkylphenol ethoxylates (APE). No ingredients used to make this product are listed in the toxic release inventory (TRI) chemicals list under Superfund Amendments and Reauthorization Act (SARA) Title III, Section 313. This product contains no ozone-depleting chlorinated compounds as specified by the Montreal Protocol. This product contains no paradichlorobenzene, 1,4-dioxane, sodium hypochlorite, NTA or sodium EDTA. This product contains volatile organic compounds (VOC) in a concentration of less than 0.5% of the weight of the product.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Information: Dispose in accordance with the federal, state and local regulations concerning health and pollution. Observe all applicable Federal, State and Local regulations, rules and/or ordinances regarding disposal of powdered laundry detergents and non-hazardous materials.

SECTION 14: TRANSPORT INFORMATION

DOT EMERGENCY 24-HR: (800) 424-9300

DOT Class: Non-Hazardous

SECTION 15: REGULATORY INFORMATION

SARA Title III Section 313 and 40 CFR Part 372 Notification: See Section 2.

No ingredients in this product are currently listed as carcinogens by NTP, IARC or OSHA. All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16: OTHER INFORMATION

Always follow label directions carefully when using this or any other chemical product. If information about this product is required, please contact COASTWIDE Laboratories at 503-416-5300. Keep MSDSs filed and organized in an area accessible to workers according to the Hazard Communication Standards.

All information appearing herein is given in good faith. No warranty is made, expressed or implied including merchantability or fitness for a particular purpose. All conditions of use are beyond the control of COASTWIDE Laboratories. Therefore, users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes. The data contained herein is confidential and intended solely for the user's internal use.

MATERIAL SAFETY DATA SHEET

FC181.0997
FC18150.0997

Date Prepared: 9-7-97 By Charles D. Werner

SECTION 1 - PRODUCT IDENTIFICATION			
Distributed By: Paulsen & Roles	Emergency Phone No: 1-800-228-5635 ext. 059		
Address: P.O. Box 12107, Portland OR 97212-0107			
Trade Name: RADIANCE	Powdered Laundry Detergent		
PRODUCT CODE: PPLPFMWL	Formula:		
SECTION 2 - HAZARDOUS INGREDIENTS			
Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV (Source)
Silicic Acid, Disodium Salt	6834-92-0		NONE ESTABLISHED
Sodium carbonate	497-19-8		
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)	Specific Gravity: (H ₂ O = 1.0)	N/A	pH: N/A
Vapor Pressure: (mmHg) N/A	N/A		
Solubility In Water:			
Evaporation Rate (Vs ether)			
Appearance and Odor: Crystalline solid, powder, or granules, Lemon odor			
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (T.C.C.): NONE Flammable Limits Upper N/A Lower N/A			
Extinguishing Media: This material is not combustible. Use extinguishing media appropriate for surrounding fire.			
Special Fire Fighting Procedures: None May be come slippery when wet.			
Unusual Fire and Explosion Hazards: None reported.			
SECTION 5 - REACTIVE DATA			
Stability: Stable			
Hazardous Decomposition Products: At temperatures above 400F toxic gases are liberated.			
SECTION 6 - HEALTH HAZARDS			
Threshold Limit Value - Product (See Section 2 for Ingredient TLV)			
Primary Routes of Exposure:			
Signs and Symptoms of Over-exposure (Acute): EYES: Dusts may irritate eye. INHALATION: Dusts are harmful to the entire respiratory tract. SKIN: Prolonged contact may defeat and irritate the skin and may cause irritant dermatitis.			
Signs and Symptoms of Over-exposure (Chronic): Prolonged inhalation exposure may cause lung damage.			
Medical Conditions Aggravated by Over-exposure: None reported.			
Carcinogen or Suspect Carcinogen Ingredients: NTP - NO			
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 soap and water. 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			
Protective Gloves: Wear resistant gloves if excessive exposure is anticipated.			
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.			