



SAFETY DATA SHEET

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SECTION I – PRODUCT IDENTIFICATION

Identity: GRANULAR LAUNDRY DETERGENT FINISHED PRODUCT
Brands: #1300 BIO-BASED LAUNDRY DETERGENT NSN 7930-01-490-7301
Transportation Emergency (24 hour) Telephone Number – CHEMTREC: 1-800-424-9300 – U.S. and Canada; 1-703-527-3887 – for calls originating elsewhere

SECTION II – HAZARDS IDENTIFICATION

GHS Classification: Eye irritant – Category 2A
WARNING!
Causes serious eye irritation.
Potential Health Hazards (Acute and Chronic): (See Section 11 for more information)
Ingestion: May cause transient gastrointestinal irritation.
Eye Contact: Contact may cause irritation.
Skin Contact: Contact may cause irritation.
Inhalation: Heavy exposure to dust may cause respiratory tract irritation. Prolonged or repeated heavy exposure to dust may cause respiratory sensitization or symptomatic responses.
Potential Environmental Effects: (See Section 12 for more information).

SECTION III – COMPOSITION AND INGREDIENTS

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>
Sodium Carbonate	Soda Ash	497-19-8	15-40%
Sodium Carbonate Peroxide	Percarbonate	15630-89-4	7-13%
Silicic acid, aluminum salt	Zeolite	1344-00-9	15-40%
Ethoxylated Alcohols C7-12	Surfactant	68991-48-0	10-20%

SECTION IV – FIRST AID INFORMATION

First Aid Procedures:
Ingestion: Dilute by drinking 1-2 glasses of water. Do NOT induce vomiting. If symptoms persist, consult a physician.
Eye Contact: Flush eyes thoroughly with lukewarm water for 15 minutes. If irritation persists, consult a physician.
Skin Contact: Rinse exposed area with water. If irritation persists, consult a physician.
Inhalation: Leave dusty area. In rare cases a respiratory reaction can occur which may include tightness of chest, and difficulty breathing. If this occurs, seek medical attention immediately.
Note to Physician: (if applicable): Product contains enzymes.

SECTION V – FIRE FIGHTING INFORMATION

Flash Point (Method Used): N/A
Flammable Properties:
Upper Flammable Limit: N/K
Lower Flammable Limit: N/K
Explosive Limits: UEL: N/A LEL: N/A
Auto-Ignition Temperature: N/A
Hazardous Combustion Products: N/K
Explosion Data (Sensitivity to Mechanical Impact): N/K
Explosion Data (Sensitivity to Static Discharge): N/K
Extinguishing Media:
Suitable: CO2, water, or dry chemical
Unsuitable: N/K
Protection of Firefighters:
Specific Hazards Arising from the Material: N/K
Protective Equipment and Precautions for Firefighters: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially irritating or sensitizing fumes.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Minimize dust levels while collecting product (see "Inhalation" health effects). Prevent exposure to dust with NIOSH approved respirators with HEPA filters. Minimize prolonged skin contact by using gloves.

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Small (household) solutions may be disposed of in sewer. Dry product may be landfilled if permitted by local regulations. Discard empty container in trash. Wastewater containing product may be sewered in compliance with all federal and state/provincial regulations, and local ordinances.

Methods for Containment: For dry product spills, collect material in an approved container while minimizing dust generation. Vacuum, as appropriate, remaining dust on floor.

Methods for Cleanup: Recycle or dispose of product, as necessary, in accordance with regulations. Flush small (household) quantities down acceptable sanitary/process sewer. Wipe up all small spills with a damp cloth. Dispose of according to local regulations.

Other Information: (if applicable):

SECTION VII – HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid breathing product dust. Wash before eating.

Precautions To Be Taken in Storage: Store in a cool, dry place. Keep product dry to maintain free-flowing granules.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Minimize dust.

Engineering Controls: N/A

Personal Protective Equipment (PPE):

Eye/Face Protection: None required for normal, consumer use.

Skin Protection: None required for normal, consumer use.

Respiratory Protection: None required for normal, consumer use.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape):

White powder with colored speckles

Odor: Pleasant

Physical State: Solid granules at 68°F (20°C)

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Boiling Point: N/A

Partition Coefficient (n-octanol/water): N/A

Flash Point (Method Used): N/A

Odor Threshold: N/A

Solubility in Water: Mostly soluble at 68°F (20°C)

Decomposition Temperature: N/A

Evaporation Rate (nBuOAc=1): N/A

Melting/Freezing Point: N/A

pH (of a 1% solution): 11.0-11.5

Volatile Organic Compound (VOC): Not Applicable – Product not regulated for VOC Content at State or Federal level.

SECTION X – STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Open flame.

Incompatible Materials: Acids, strong oxidizers

Hazardous Decomposition Products: N/K

Possibility of Hazardous Reactions: N/K

SECTION XI – TOXICOLOGICAL INFORMATION

Signs and Symptoms of Exposure:

Ingestion: Possible mild gastrointestinal irritation with nausea, vomiting, and/or diarrhea.

Eye Contact: Eye contact with the product or its aqueous solution may produce irritation.

Skin Contact: Skin contact with the product or its aqueous solution may produce irritation.

Inhalation: Heavy exposure to dust may cause respiratory tract irritation.

Medical Conditions Generally Known to be Aggravated by Exposure: N/K.

Toxicity Of Components:

Sodium Carbonate LD₅₀ (Oral Rat) = 4090 mg/kg

Sodium Carbonate Peroxide LD₅₀ (Oral Rat) = 1-3000 mg/kg

Silicic acid, aluminum salt LD₅₀ - Not Available, but no adverse effects expected.

Sodium Sulfate LD₅₀ (Oral Rat) = 5010 mg/kg

SECTION XI – TOXICOLOGICAL INFORMATION (cont'd)

Chronic Effects: No chronic health effects expected.
Target Organs: No target organs reported.
Carcinogenicity: This finished consumer product is not carcinogenic.
NTP: No
IARC: No

SECTION XII – ECOLOGICAL INFORMATION

Based on ecotoxicity and chemical fate data the ingredients in this product are not expected to harm the environment when disposed of through normal routes of use. The surfactants in this detergent are readily biodegradable and well removed during sewage treatment processing.

SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method: DISPOSAL SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.
Household Use: Consumer may discard empty container in trash, or recycle where facilities exist. Consumer produced household solutions may be disposed of down the drain with running water. Product used in household may be disposed of in refuse or in sewer.

SECTION XIV – TRANSPORT INFORMATION

Ground Transport (US DOT): Not regulated

SECTION XV – REGULATORY INFORMATION**United States**

All intentionally added components of this product are listed on the US TSCA Inventory.
 EPA Registration Number: Not Applicable
 SARA 313/302/304/311/312 chemicals: None

State Right-to-Know and CERCLA:

The following ingredients present in the finished product are listed on state right-to-know lists or state worker exposure lists:

Ingredient	CAS #	Level	CERCLA RQ	State				
				IL	MA	NJ	PA	RI
Sodium Percarbonate	15630-89-4	7-13%	N/A			X		
Zeolite	1344-00-9	15-40%	N/A	X		X	X	

CANADA

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this SDS contains all information required by the Controlled Products Regulations.

SECTION XVI – OTHER INFORMATION

Perfumes contained within the products covered by this SDS comply with appropriate IFRA guidance.

Hazard Rating:	Health: 1	4 = EXTREME
	Flammability: 1	3 = HIGH
	Reactivity: 0	2 = MODERATE
		1 = SLIGHT
		0 = NOT SIGNIFICANT

* N/A. – Not Applicable

*N/K – Not Known

Data supplied is for use only in connection with occupational safety and health.

DISCLAIMER: This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Bob Chambers Ltd. to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

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