



delicate laundry detergent material safety data sheet

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section I - product identification

Product Name:	Delicate Laundry Detergent
Formula:	Proprietary
MSDS Date of Preparation:	November 18, 2011
HMIS:	Health=2 Flammability=0 Reactivity=0 Personal Protection=B

section II - product ingredients

<u>Ingredient Name</u>	<u>CAS. No.</u>	<u>Percent</u>
Sodium carbonate (soda ash)	497-19-8	35 - 55%
Sodium citrate	68-04-2	10 - 20%
Sodium metasilicate	1344-09-8	20 - 30%
Sodium tetraborate decahydrate (borax)	1303-96-4	10 - 25%
Coco amphi dipropionate (non-ionic surfactant)	68604-71-7	0.0 - 5.0%
Amphoteric surfactant	Proprietary	<5.0%
Crystalline silica	112926-00-8	0.0 - 2.0%

section III - physical data

Boiling Point (Degrees F): Decomposes	Specific Gravity: 0.8 - 1.0
Freezing Point (Degrees F): N/A	Percent Volatile by Volume: N/A
Vapor Pressure: N/A	Evaporation Rate: N/A
Appearance: Off-White Powder	Vapor Density: N/A
Odor: None	pH: 10.5-11.2 (5% solution)

section IV - fire and explosion hazard

Flash Point (Degrees F):	N/A
Flammability Classification:	Non-Flammable.
DOT Classification:	N/A
Extinguishing Media:	Water Spray.

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Sensitivity To Static Discharge or Impact:	None.
Special Fire Fighting Procedures:	Evacuate area of unprotected personnel. Wear protective clothing including a NIOSH-Approved self-contained breathing apparatus.
Unusual Fire Explosion Hazards:	None.

section V - health hazard data

Threshold Limit Value:	Not established. Recommended exposure limits for particulates not otherwise regulated be used as a guide: 15 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction); 10mg/m ³ (inhalable particulate), 3 mg/m ³ (respirable particulate) (inhalable (total) particulate matter containing no asbestos and < 1% crystalline silica)
Effects of Overexposure	
Overexposure:	Direct contact with the product causes irritation of the eyes and continuous contact may cause skin irritation. Excessive levels of airborne dust may irritate mucous membranes and upper respiratory tract.
Emergency and First Aid Procedures	
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during this flushing with water. Call a physician if irritation persists.
Skin Contact:	Flush area with water if irritation persists. If irritation persists get medical attention.
Ingestion:	Drink a quart of water. DO NOT induce vomiting. If necessary seek medical attention.
Inhalation:	Remove person to fresh air. See medical attention if respiratory irritation persists.

section VI - reactivity data

Stability:	Stable.
Conditions to Avoid:	Strong Acids.
Hazardous Decomposition Products:	Heated to decomposition, it emits fumes of carbon dioxide, boron oxide and sodium oxide.
Hazardous Polymerization:	Will not occur.

section VII - spill or leak procedures

Release or Spill Procedures:	Sweep or scoop up and place in clean containers. Flush remaining area with water and dispose of residue properly.
Notification Requirements:	Federal regulations do not require notification for spills of this product. State and local regulations may contain different requirements; consult local authorities.

section VIII - special protection information

Respiratory Protection:	NIOSH approved respirator for dusts and mists.
Ventilation:	Maintain adequate ventilation. Avoid accumulation of dust.
Eye Protections:	Safety goggles or glasses.
Skin Protection:	Wear protective gloves and clothing.
Other Protective Equipment:	Eye wash station.

section IX - special precautions

Storage and Handling:	Store in well ventilated area out of direct sunlight. Keep away from sources of heat. Keep containers tightly closed.
Other Precautions:	Avoid contact with skin and eyes. Do not swallow. Use with adequate ventilation.
Disposal:	Dispose of in accordance with local, state and federal regulations.

section X - supplemental health information

None.

section XI - toxicological information

None.

section XII - ecocological information

Environmental Fate:	This product is biodegradable.
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