

SPURRIER MATERIAL SAFETY DATA SHEET

CHEMICAL COMPANIES, INC.

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	ENZYO-BRITE PREMIUM LAUNDRY DETERGENT				
PRODUCT CODE	341	ISSUE DATE	04-02-12	SUPERSEDES	11-17-06
MANUFACTURER	Spurrier Chemical Companies, Inc.		EMERGENCY TELEPHONE NUMBERS		
ADDRESS	P.O. BOX 2812		Medical Information: (800) 228-5635 x103		
CITY, STATE, ZIP	Wichita, KS 67201		Transportation and Product Information: (800) 424-9300		

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS. No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NOISH REL
Sodium Metasilicate Pentahydrate	6834-92-0			2 mg/m ³ (as NaOH)	
Sodium Carbonate	497-19-8		5 mg/m ³	10 mg/m ³ (TWA)	
Sodium Sesquicarbonate	533-96-0		5 mg/m ³ (resp fraction)	10 mg/m ³ (TWA)	
Zeolite			5 mg/m ³ (respirable)	10 mg/m ³ (TWA) (respirable)	

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Alkaline cleaning compound. Strongly irritating to eyes, irritating to skin. Harmful if swallowed.
POTENTIAL HEALTH EFFECTS	
INGESTION	Irritating or strongly irritating to tissues of mouth and gastrointestinal tract.
INHALATION	Dusts irritating to tissues of nose, throat and respiratory tract.
EYE CONTACT	Strongly irritating to eyes; may be corrosive. May cause chemical burns.
SKIN CONTACT	Irritating to skin, particularly in prolonged exposure.

SECTION 4 - FIRST AID MEASURES

IF SWALLOWED:	-Call a poison control center or doctor immediately for treatment advice. -Have person sip a glass of water if able to swallow. -Do not induce vomiting unless told to by a poison control center or doctor. -Do not give anything to an unconscious person.
IF ON SKIN:	-Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15-20 minutes. -Call a poison control center or doctor for treatment advice.
IF INHALED:	-Move person to fresh air. -If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. -Call a poison control center or doctor for further treatment advice.
IF IN EYES:	-Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. -Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIAN:	N/A

SECTION 5 - FIRE FIGHTING MEASURES

FLASHPOINT/METHOD	N/A	FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	Non-combustible. Use media relevant to primary cause of fire—CO ₂ , water or dry chemical.		
SPECIAL FIRE FIGHTING PROCEDURES	None required.		
FIRE AND EXPLOSION HAZARDS	None.		

SECTION 6 - ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Sweep up and dispose of as dry waste in a suitable landfill, or as local regulations permit. Small spills may be flush to drain with plenty of water, as permitted.
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SECTION 7 - HANDLING AND STORAGE

HANDLING PRECAUTIONS	Alkaline material. Handle as for all strong chemicals. Keep containers tightly closed when not in use. Wash hands after using.
STORAGE PRECAUTIONS	Keep containers tightly closed. Store in a cool, dry location away from acidic materials, soft metals. Keep container off wet floors. Do not allow water to get into container.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

HYGIENIC PRACTICES	Avoid breathing dusts from product. Avoid contact with use solutions. Wash hands after using.
ENGINEERING CONTROLS	Local exhaust ventilation is adequate for concentrate dusts or use solution fumes.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATOR	Not necessary.
GOGGLES/FACE SHIELD	Recommended.
APRON	Optional.
GLOVES	Recommended.
BOOTS	Not necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White, free-flowing, slightly damp powder.	BOILING POINT	N/A
ODOR	Mild "bubble gum".	FREEZING POINT	N/A
pH	10.8-11.0 (2% solution)	VAPOR PRESSURE	N/A
SPECIFIC GRAVITY	N/A	VAPOR DENSITY	N/A
SOLUBILITY IN WATER	Approx. 25%	EVAPORATION RATE	N/A

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY	<input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE
CONDITIONS TO AVOID	No special precautions other than safe industrial practices. Avoid contact with acids. Mix only with water.
INCOMPATIBILITY	Contact with strong acids produces heat and release of carbon dioxide and sodium oxide.
HAZARDOUS PRODUCTS OF DECOMPOSITION	None
POLYMERIZATION	<input checked="" type="checkbox"/> WILL NOT OCCUR <input type="checkbox"/> MAY OCCUR CONDITIONS TO AVOID N/A

SECTION 11 - TOXICOLOGICAL INFORMATION

CARCINOGENICITY

<input type="checkbox"/> THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
<input checked="" type="checkbox"/> THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z.

OTHER EFFECTS

ACUTE	Irritant effects as described in Section 3.
CHRONIC	Repeated contact may cause red, dry, cracked skin. May cause irritation to respiratory airways, mucous membranes, and eyes. In animals, a component of this product has been found to cause adverse effects to kidneys (zeolite).

SECTION 12 - ECOLOGICAL INFORMATION

BIODEGRADABILITY	<input checked="" type="checkbox"/> NO BIOACCUMULATION <input type="checkbox"/> NOT BIODEGRADABLE
BOD/COD VALUE	Unknown. ECOTOXICITY This product is toxic to aquatic organisms.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Small quantities of waste product concentrate and spent use solutions may be flushed to drain or sewer with plenty of water. For large quantities of waste powder, dispose of as described in Section 6 under "Spills".
RCRA CLASSIFICATION	Unknown
RECYCLE CONTAINER	<input type="checkbox"/> YES <input type="checkbox"/> CODE <input checked="" type="checkbox"/> NO

SECTION 14 - TRANSPORT INFORMATION

DOT CLASSIFICATION	<input type="checkbox"/> HAZARDOUS <input checked="" type="checkbox"/> NOT HAZARDOUS
DESCRIPTION	N/A

SECTION 15 - REGULATORY INFORMATION

REGULATORY STATUS

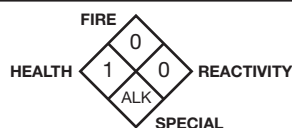
SARA TITLE III MATERIAL	Section 311/312: sodium metasilicate pentahydrate. Acute health hazard. Section 311/312: sodium carbonate. Acute health hazard. Section 311/312: sodium sesquicarbonate. RQ 10,000 lbs. Acute health hazard.	TSCA	sodium carbonate sodium metasilicate pentahydrate sodium sesquicarbonate zeolite
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SECTION 16 - OTHER INFORMATION

HMIS CLASSIFICATION

1	BLUE - HEALTH HAZARD
0	RED - FLAMMABILITY
0	YELLOW - REACTIVITY
B	WHITE - PPE

NFPA CLASSIFICATION



4 - EXTREME | 3 - HIGH | 2 - MODERATE | 1 - SLIGHT | 0 - INSIGNIFICANT

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Spurrer Chemical Companies in connection with the use of this information.

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