

# CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



## MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-993

ISSUE DATE: 07/06/04

PAGE 1 OF 5

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name

**SHEER LUMINANCE**

MANUFACTURED BY:  
Church & Dwight Co., Inc.  
469 N. Harrison Street  
Princeton, NJ 08543-5297

Information Phone:  
1-800-631-5591

Medical Emergency Phone:  
1-888-234-1828

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredient</u>	<u>% by Weight</u>	<u>CAS Number</u>
Proprietary Sodium Bicarbonate Based Mixture - Sodium Bicarbonate	99.75	144-55-8

Contains no hazardous ingredients at 1% or more (0.1% for carcinogens) as listed or defined in 29 CFR 1910.

### 3. HAZARDS IDENTIFICATION

<b>EMERGENCY OVERVIEW</b>	
Odorless, white crystalline powder.	
May generate static sparks during dry blasting with improperly grounded equipment.	
Nuisance dusts	
No other significant health or environmental effects associated with these products.	
<u>HMIS Rating</u>	
Health	0
Fire	0
Reactivity	0
Personal Protection	X

#### Potential Health Effects

EYE: Not an eye irritant. Solid or dust particles may cause irritation due to mechanical action if left unwashed.

SKIN CONTACT: Not a skin irritant

INGESTION: Ingestion of small amounts (1-2 tablespoonfuls) during normal handling operations may cause abdominal discomfort but are not likely to cause injury. Ingestion of larger amounts may cause injury.

INHALATION: Non-toxic, but may aggravate pre-existing upper respiratory and lung disorders.

# CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



## MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-993

ISSUE DATE: 07/06/04

PAGE 2 OF 5

SUBCHRONIC EFFECTS/CARCINOGENICITY: None known. Not listed as carcinogenic by IARC, NTP, OSHA, ACGIH or NIOSH.

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. **IF IRRITATION PERSISTS GET MEDICAL ATTENTION.**

**SKIN:** Wash exposed areas thoroughly with soap or mild detergent and a large amount of water.

**INGESTION:** If large amounts are ingested, give water to drink. **Do not give anything orally to an unconscious person.** Seek medical attention.

**INHALATION:** If over-exposure occurs, remove to area free from risk of further exposure. Treat symptomatically. Seek medical attention if irritation persists.

**NOTE TO PHYSICIAN:** Ingestion of large amounts may cause systemic alkalosis. No specialized procedures. Treat for clinical symptoms.

### 5. FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES

FLASHPOINT: Non-flammable; non-combustible

METHOD USED: Not applicable

EXTINGUISHING MEDIA: Use extinguishing media for surrounding fire.

FIRE-FIGHTING INSTRUCTIONS: Carbon dioxide may be generated by thermal decomposition or exposure to acids. Wear self-contained breathing apparatus (SCBA) and full protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

#### FLAMMABLE LIMITS

LFL: Not applicable

UFL: Not applicable

### 6. ACCIDENTAL RELEASE MEASURES

Scoop into clean, dry containers for disposal. Wash away uncontaminated residue with water.

### 7. HANDLING AND STORAGE

Store in original containers in a cool, dry area away from incompatible materials. Wear approved dust mask during use or if dusts are generated during handling.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



## MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-993

ISSUE DATE: 07/06/04

PAGE 3 OF 5

RESPIRATORY PROTECTION: SHEER LUMINANCE alone does not represent an inhalation hazard to the user.

A NIOSH approved respirator with a dust filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Whenever possible, use appropriate engineering controls and/or containment measures to minimize exposure to airborne dusts.

EXPOSURE GUIDELINE: For Particles Not Otherwise Classified (PNOC) - TLV-TWA of 10 mg/m<sup>3</sup> as a nuisance dust (ACGIH).

PROTECTIVE GLOVES: None required under normal use.

EYE PROTECTION: None required under normal use.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required for general handling.

PROTECTIVE WORK/HYGIENIC PRACTICES: No special requirements with respect to chemical exposure.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White crystalline powder

ODOR: None

PHYSICAL STATE: Solid

pH AS IS: Not Applicable

pH (1% SOLN. w/v): 8.3

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

BOILING POINT: Not applicable

FREEZING/MELTING POINT: Not applicable

SOLUBILITY IN WATER: 8.6 g/100 ml @ 68°F

DENSITY (g/cc): Approximately 1.0

% VOLATILE: Not applicable

VOLATILE ORGANIC COMPOUNDS: None

### 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Contact with acids. Temperatures above 228°F.

INCOMPATIBILITY WITH OTHER MATERIALS: Reacts with acids to release carbon dioxide. May also yield free caustic in presence of lime dust (CaO) and moisture.

HAZARDOUS DECOMPOSITION PRODUCTS: Exposure to temperatures in excess of 228°F or incompatible materials (acids) may cause high levels of carbon dioxide gas to be generated. This presents a danger in confined spaces. Thermal decomposition brought on by exposure to temperatures in excess of 1000°F will yield sodium oxide, a severe skin, eye and inhalation irritant.



## MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-993

ISSUE DATE: 07/06/04

PAGE 4 OF 5

HAZARDOUS POLYMERIZATION: Will not occur.

### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Sodium bicarbonate, the principal constituent in SHEER LUMINANCE, was classified as practically non-irritating and minimally irritating to the washed and unwashed eye, respectively, when tested in accordance with 40 CFR Part 792. The Maximum Mean Total Score (MMTS) for washed eyes was 2.0. The MMTS for unwashed eyes was 8.3.

**SKIN EFFECTS:** SHEER LUMINANCE was not a primary skin irritant when tested in accordance with 40 CFR 798.4470. The primary dermal irritation index (PDII) was 0.3 which indicates a minimal skin irritation potential.

**ACUTE ORAL EFFECTS:** SHEER LUMINANCE was non-toxic when tested in accordance with 40 CFR 798.1175. The LD<sub>50</sub> (oral-rat) was 8.0 g/Kg.

**INHALATION EFFECTS:** SHEER LUMINANCE was non-toxic and exhibited no observed adverse effects when tested in accordance with 40 CFR 798.1150. The LC<sub>50</sub> was determined to be greater than 4.94 mg/L in rats over a 4-1/2 hour exposure period.

### 12. ECOLOGICAL INFORMATION

**AQUATIC TOXICITY:** Sodium bicarbonate, the principal constituent in SHEER LUMINANCE, is classified as practically non-toxic to the following environmental organisms:

Daphnids: 48 hour EC<sub>50</sub> = 4100 mg/l; NOEC = 3100 mg/l

Bluegill: 96 hour LC<sub>50</sub> = 7100 mg/l; NOEC = 5200 mg/l

Rainbow Trout: 96 hour LC<sub>50</sub> = 7700 mg/l; NOEC = 2300 mg/l

**PERSISTENCE:** This material is not expected to persist in the environment.

**BIOACCUMULATION:** This material is not expected to bioaccumulate in the environment.

### 13. DISPOSAL CONSIDERATIONS

Bury in a secured landfill in accordance with all local, state and federal environmental regulations. State and local regulations may differ from federal. Be sure to consult with appropriate agencies for specific rules. Empty containers may be incinerated or discarded as general trash.

### 14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not regulated

TECHNICAL SHIPPING NAME: Not regulated. Shipped as SHEER LUMINANCE.

D.O.T. HAZARD CLASS: None

U.N./N.A. NUMBER: None

HAZARDOUS SUBSTANCE/RQ: None

D.O.T. LABEL: None

D.O.T. PLACARD: None

# CHURCH & DWIGHT CO., INC.

CONSUMER PRODUCTS • SPECIALTY PRODUCTS



## MATERIAL SAFETY DATA SHEET

MSDS NUMBER: MSDS-993

ISSUE DATE: 07/06/04

PAGE 5 OF 5

### 15. REGULATORY INFORMATION

OSHA: Not hazardous under 29 CFR 1910.1200

CERCLA REPORTABLE QUANTITY: None

RCRA: Not a hazardous waste by listing or characteristic

SARA TITLE III:

Section 302, Extremely Hazardous Substances: None

Section 311/312, Hazardous Categories: Non-hazardous

Section 313, Toxic Chemicals: None

TSCA: All ingredients of this product are reported in the TSCA Inventory.

### 16. OTHER INFORMATION

SUPERSEDES DATE: 04/19/04

REASON FOR REVISION: Name change

For more non-emergency health, safety and environmental information telephone 609.279.7705 or write to:

Church & Dwight Co., Inc.  
R & D Technical Regulatory Affairs  
469 North Harrison Street  
Princeton, New Jersey 08543

This Product Safety Data Sheet is offered solely for your information, consideration and investigation. Church & Dwight Co., Inc. provides no warranties; either expressed or implied, and assumes no responsibility for the accuracy or completeness of data contained herein. Church & Dwight Co., Inc. urges persons receiving this information to make their own determination as to the information suitability for their particular application.