

# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:**  
**Laminate Lights Enduramax**

**Laminate Lights Enduramax is a combination package of 2 products.**

Laminate Lights Enduramax **Part A**  
Laminate Lights Enduramax **Part B**

**MANUFACTURER:**  
**SPARTAN CHEMICAL COMPANY, INC.**  
**1110 SPARTAN DRIVE**  
**MAUMEE OH 43537**

**PRODUCT/TECHNICAL INFORMATION: 1-(800)-537-8990**

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# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**LAMINATE LIGHTS ENDURAMAX PART A**  
 Product Number: 4034 -Part A; 4134 - Part A

Product Division:  
**Janitorial**

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee OH 43537**

Product/Technical Information: **1-(800)-537-8990**  
 Medical Emergency: **1-(888)-314-6171 (24 hours)**  
 Chemical Leak/Spil Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Buffing, polishing compounds, liquid, n.o.s.

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 1- Slight <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal	<b>Health:</b> *1 - Slight; Chronic Hazard <b>Fire:</b> 0 - Minimal <b>Reactivity:</b> 0 - Minimal <b>Pers. Prot. Equip.:</b> See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Acrylic polymer	10-15	Proprietary	Not Established	Not Established	Not Established	No
*Diethylene glycol ethyl ether	5-10	111-90-0	140 (AIHA)	Not Established	Not Established	No
Dipropylene glycol methyl ether	1-5	34590-94-8	600 [skin]	900 (NIOSH)	Not Established	No

Comment: \*This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

### SECTION III: PHYSICAL DATA

Boiling Point: 212 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 6.5-7.5	Specific Gravity (H <sub>2</sub> O=1): 1.02
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 20-30
Physical State: Liquid	
Appearance & Odor: Translucent emulsion, slight ammoniacal odor	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 212°F	Method Used: ASTM-D56
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire.	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Material can splatter above 212 F. Dried Product can burn. Combustion products are toxic.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value: Not Established

Primary Routes of Entry: Inhalation, Skin Contact, Eyes and Oral.

Effects of Overexposure- **Causes eye irritation:** Symptoms may include pain, redness, swelling and tearing.  
Conditions to Avoid: **May cause skin irritation:** Symptoms may include redness, pain and swelling.  
**Harmful if swallowed:** Symptoms may include nausea, vomiting, pain and diarrhea.  
**Inhalation of vapors may cause respiratory irritation, headache and nausea.**  
Contains diethylene glycol monoethyl ether which may cause central nervous system depression, liver and kidney impairment.  
**Avoid contact with eyes and skin. Avoid breathing product vapors or mist. Use with adequate ventilation. Do not taste or swallow. Wash thoroughly after handling.**

Conditions Aggravated by Use: Use of this product may aggravate preexisting eye; skin and respiratory disorders such as asthma and dermatitis.

**Emergency & First Aid Procedures:**

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Get medical attention.

Skin: Remove contaminated clothing. Flush skin thoroughly with plenty of water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.

Ingestion: Do not induce vomiting unless advised to do so by physician or poison control center. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.

Inhalation: In case of respiratory irritation; move person to fresh air. Get medical attention if irritation persists.

**SECTION VI: REACTIVITY DATA**

Stability: Stable

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition may yield styrene and acrylic monomers.

Hazardous Polymerization: Will Not Occur.

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case

Material is Released or Spilled: Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal.

Waste Disposal Method: Assure conformance with federal, state and local regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Not normally needed when good ventilation is provided. However, if exposure limits are exceeded (see Section II) or if respiratory irritation occurs, use of a NIOSH approved respirator suitable for the conditions of use and substances in Section II should be considered.

Ventilation: Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.

Protective Gloves(Specify Type): Impervious gloves are recommended to prevent skin contact.

Eye Protection(Specify Type): Splash goggles are recommended to prevent eye contact.

Other Protective Equipment: For further guidance see 29 CFR 1910.132-138.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing: Keep from freezing.

Other Precautions: Keep out of reach of children.

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Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

**LAMINATE LIGHTS ENDURAMAX PART A**

Effective Date: 06/30/2005

Supercedes: 04/05/2004

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Update Section IX

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# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**LAMINATE LIGHTS ENDURAMAX PART B**  
 Product Number: 4034 - Part B; 4134 - Part B

Product Division:  
**Janitorial**

**Spartan Chemical Company, Inc.**  
**1110 Spartan Drive**  
**Maumee OH 43537**

Product/Technical Information: **1-(800)-537-8990**  
 Medical Emergency: **1-(888)-314-6171 (24 hours)**  
 Chemical Leak/Spill Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Buffing, polishing compounds, liquid, n.o.s.

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 2 - Moderate <b>Fire:</b> 1- Slight <b>Reactivity:</b> 1- Slight	<b>Health:</b> *2 - Moderate; Chronic Hazard <b>Fire:</b> 1- Slight <b>Reactivity:</b> 1- Slight <b>Pers. Prot. Equip.:</b> See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Aliphatic polyisocyanate	70-75	Proprietary	0.5 (Bayer)	1 (Bayer)	Not Established	No
Tributoxyethyl phosphate	25-30	78-51-3	Not Established	Not Established	Not Established	No
*1-6-Hexamethylene diisocyanate	< 0.2	822-06-0	0.035 (ACGIH)	Not Established	0.14 (NIOSH)	No

Comment: \*This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

### SECTION III: PHYSICAL DATA

Boiling Point: Not Established °F	Vapor Pressure: Not established
Vapor Density (AIR = 1): Not established	Solubility in Water: Dispersible
pH: Not applicable	Specific Gravity (H <sub>2</sub> O=1): 1.12
Evaporation Rate (but. ace. =1): Not established	Percent Solid by Weight: 0
Physical State: Liquid	
Appearance & Odor: Clear pale yellow liquid, fruity odor	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: Not determined. Expected to be greater than 200°F	Method Used: Estimate
Flammable Limits: N/A	Flame Extension: N/A

Extinguishing Media: Carbon dioxide, dry chemical, water spray.

Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray. Do not approach container because of danger of rupturing. Do not permit water to enter containers.

Unusual Fire & Explosive Hazards: Closed containers may rupture violently when heated or if contents are contaminated with water due to rapid production of carbon dioxide. Combustion generates toxic fumes of Hydrogen cyanide and nitrogen oxides.

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value: Not Established	Primary Routes of Entry: Inhalation, Skin Contact, Eyes and Oral.
Effects of Overexposure- Conditions to Avoid:	<b>CAUSES EYE IRRITATION:</b> Symptoms may include pain, tearing, swelling and redness. <b>CAUSES SKIN IRRITATION:</b> Symptoms may include redness, swelling, pain, rash, scaling, blistering and possible dermatitis. Can cause dermal sensitization. <b>HARMFUL IF SWALLOWED:</b> Symptoms may include severe irritation of mouth, throat and digestive tract. <b>HARMFUL VAPOR:</b> Inhalation of vapor or mist can cause severe irritation of the nose; throat and lungs. Symptoms may include coughing; chest pain; shortness of breath; impairment of lung function; bronchitis; bronchial spasm; pulmonary edema and pneumonitis. Can cause pulmonary sensitization. <b>Contains aliphatic polyisocyanate and hexamethylene diisocyanate which can cause dermal and pulmonary sensitization, even at low concentrations. Sensitized individuals should not be exposed to any concentration of this material. Evidence exists that cross-sensitization between Hexamethylene diisocyanate and other isocyanates, particularly hydrogenated MDI and TDI can occur. Prolonged or repeated exposure to diisocyanate compounds may cause lung damage.</b> <b>Contains tributoxyethyl phosphate which may cause nervous system effects such as ataxia, breathing abnormalities and tremors with prolonged or repeated contact.</b> <b>AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID BREATHING PRODUCT VAPORS OR MIST. DO NOT SWALLOW OR TASTE. WASH THOROUGHLY AFTER HANDLING AND SHOWER AFTER WORK PERIOD.</b>

Conditions Aggravated by Use: Individuals with prior allergenic reaction to isocyanates must not be exposed to this product. Use or exposure to this product may aggravate preexisting eye; skin and respiratory disorders. (such as dermatitis; asthma; bronchitis or emphysema)

**Emergency & First Aid Procedures:**

Eyes:	Immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Get prompt medical attention.
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention. Wash contaminated clothing before reuse. Do not take clothing home to be laundered.
Ingestion:	DO NOT induce vomiting. Give milk or water to drink. If vomiting occurs spontaneously keep airway clear. Get immediate medical attention. Do not give anything by mouth to an unconscious person.
Inhalation:	In case of respiratory irritation; move person to fresh air. If breathing is difficult give oxygen. Give artificial respiration if breathing has stopped. Get prompt medical attention.

Note to Physician: This product can be a pulmonary sensitizer in some individuals. No specific antidote - treat symptomatically.

**SECTION VI: REACTIVITY DATA**

Stability: Stable	Incompatible Materials: Water - amines -strong bases - alcohols - metal compounds- surface active materials - acids -strong oxidizing agents.
Hazardous Decomposition Products: Under conditions of high heat or fire, decomposition may yield carbon dioxide - carbon monoxide - oxides of nitrogen - hydrogen cyanide and phosphine	Hazardous Polymerization: Product will undergo polymerization at temperatures above 400 F. Polymerization will also occur if contaminated with water or moisture.

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	PPE should be worn by those cleaning up spills and leaks. Ventilate area and contain spill with absorbent material such as vermiculite, sand or fuller's earth. Treat contained spill with decontamination solution consisting of 2% detergent in water and allow to react for at least 10 minutes. Transfer decontaminated liquid and solid material to suitable open containers. Wash down spill area with additional decontamination solution.
Waste Disposal Method:	Dispose of liquid and contaminated solids in accordance with local, state and federal regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not expected to be needed with non-spray application and good ventilation. However, if exposure limits are exceeded (see Section II) use of a NIOSH approved respirator suitable for the conditions of use and substances in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Impervious gloves (butyl rubber or nitrile) are recommended to prevent skin contact.

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Eye Protection(Specify Type): Splash goggles are recommended to prevent eye contact.

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Other Protective Equipment: Use of other protective clothing such as long sleeved shirt and trousers are recommended. Chemical resistant apron or other impervious clothing may be considered to avoid skin contact. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. For further guidance see 29 CFR 1910.132-138.

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#### SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing: Store at a temperature between 34 and 120 F. Do not freeze. Store away from sources of heat. Keep away from sources of ignition and reactive materials. Store in a well ventilated area. Keep material dry to avoid exothermic reaction with water. Keep container tightly closed when not in use.

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Other Precautions: Container is hazardous when empty. Do not reuse empty container. Follow all MSDS and label warnings even after container is emptied. Keep out of reach of children.

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Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

**LAMINATE LIGHTS ENDURAMAX  
PART B**

Effective Date: 04/05/2004

Supercedes: 11/20/2004

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Update Product Numbers

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