

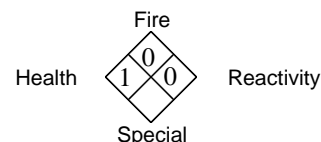


# Material Safety Data Sheet

24 HR. CHEMTREC EMERGENCY #: 1-800-424-9300  
(OUTSIDE THE U.S. & CANADA: 1-202-483-7616)

## HAZARD RATING

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



## SECTION 1 - PRODUCT IDENTIFICATION

### IDENTITY:

LionGuard White Acrylic Coating

DATE: March 21, 2011

### MANUFACTURER:

NEMEON, Inc.  
6043 Hudson Road Suite 350  
Woodbury, MN 55125

Telephone: 1-651-788-7810

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## SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Components	CAS#	Weight %	OSHA PEL	ACGIH TLV	Other Limits Recommended
Acrylic Polymer	Propriety	15-25	NA	NA	NA
Titanium Dioxide	13463-67-7	5-7	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	NA
Water	7732-18-5	35-45	NA	NA	NA
Propylene Glycol	57-55-6	<1.0	NA	NA	NA
Aqua Ammonia	1336-21-6	<1.0	50 ppm	25 ppm	NA
Ester Alcohol	25265-77-4	<1.0	NA	NA	NA
Hydrated Alumina	21645-51-2	20-40	NA	NA	NA

PEL = Permissible Exposure Limits

TLV = Threshold Limit Value

N.E. = Not Established

N.A. = Not Applicable.

OSHA = Occupational Safety and Health Administration

ACGIH = American Conference of Governmental Industrial Hygienists

NIOSH = National Institute for Occupational Safety and Health

## SECTION 3 - HAZARDS IDENTIFICATION

### Potential Health Effects:

Fumes from product can be unpleasant, may cause nausea, headache and irritating to eyes, skin, and respiratory tract.

## **SECTION 4 - FIRST AID MEASURES**

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- Eye Contact:** If this product comes in contact with eyes, Flush eye with plenty of water for at least 15 minutes and seek medical attention.
- Skin Contact:** If this product comes in contact with skin, remove material with mineral oil, then wash with soap and plenty of water.
- Inhalation:** If respiratory discomfort occurs, remove to fresh air. If discomfort continues, administer oxygen and get medical attention.
- Ingestion:** If swallowed, do not induce vomiting. Get medical attention.

## **SECTION 5 - FIRE FIGHTING MEASURES**

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- Flash Point** None Unless water is removed
- Dust Explosivity Limits:** Not Applicable.
- Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>), foam, or dry chemical. Water may be used to Cool containers exposed to heat.
- Fire Fighting Instructions:** Minimize breathing vapors, gases or fumes of decomposition products. Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
- Unusual Fire Hazards:** Material may foam if heated above 212°F

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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Dike or contain spill with earth, floor dry, sand etc. Ventilate the area. Absorb spill with suitable absorbent material and place in a closed container.

Keep product out of sewers and waterways by diking or impounding. Advise authorities if product has entered or may enter sewers or waterways. Assure conformity with applicable governmental regulations.

## **SECTION 7 - HANDLING AND STORAGE**

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Vapors are heavier than air and may travel along the ground or be moved by ventilation to locations distant from the point of material handling. To prevent from entering buildings or confined areas, close all air intake sources near the material handling or the work area.

Avoid prolonged or repeated inhalation of vapors or spray mists. Avoid prolonged or repeated skin contact. Adhere to good hygienic practices. Use with adequate ventilation.

Store in a cool, dry place, out of direct sunlight and away from heat, sparks, and flame.

Do Not Freeze.

## **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

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**Respiratory Protection:** Use supplied-air respirator in confined areas or with vapors in high concentrations.

**Ventilation:** Local Exhaust: In enclosed areas. Special: None  
Mechanical: In enclosed areas. Other: None

**Eye Protection:** Safety glasses or face shield for liquid material.

**Protective Gloves:** Solvent impervious gloves.

**Other Protective Clothing Equipment:** Long sleeves and impervious clothing to protect against splashing.

**Work/Hygienic Practices:** See Section 7.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance and Odor:** White liquid, slight ammonia odor

**Vapor Pressure:77°F** 23.7mm of hg

**Boiling Point:** 212°F

**Melting Point (R & B):** N/A

**Solubility in water:** soluble.

**Specific Gravity (H<sub>2</sub>O=1):** 1.10 – 1.45

**Evaporation Rate (Butyl Acetate=1)@ 77°F:** <1

**Vapor Density (Air = 1):** >1

**Flash Point (PMCC):** NA see sec. 5

## **SECTION 10 - STABILITY AND REACTIVITY**

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**Stability:** Stable

**Conditions to Avoid:** Auto-ignition temperature unknown.

**Incompatibility (Materials to Avoid):** May react with strong oxidizing materials.

**Avoid Freezing**

**Hazardous Polymerization:** Will not occur.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

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Product may cause respiratory irritation, headache, dizziness, nausea and vomiting. Prolonged or repeated contact with skin may cause dermatitis.

Carcinogenicity: NTP?: No IARC Monographs?: No OSHA Regulated?: No

## **SECTION 12 - ECOLOGICAL INFORMATION**

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EPA Hazard Classification Code:

Acute Hazard: \_\_\_\_ Chronic Hazard: \_\_\_\_ Fire Hazard: \_\_\_\_ Pressure Hazard: \_\_\_\_

Reactive Hazard: \_\_\_\_ Not Applicable: X

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with local, state and federal regulations.

## **SECTION 14 - TRANSPORTATION INFORMATION**

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The description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate regulations, for additional description requirements.

DOT Shipping Name: NON-Regulated  
DOT Label Information: NA  
DOT Hazard Class: NA  
DOT Packing Group: NA

## **SECTION 15 - REGULATORY INFORMATION**

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**SARA TITLE III** - EPA Regulation 40 CFR 302 (CERCLA Section 102); CFR 355 (SARA Section 301-304);  
CFR 372 (SARA Section 311-313) - NOT APPLICABLE.

**EPA HAZARD CLASSIFICATION CODE:** Acute Hazard/Chronic Hazard/Fire Hazard/Pressure Hazard/Reactive  
Hazard - NOT APPLICABLE.

**TSCA, CANADIAN DSL:** Yes

## **SECTION 16 - OTHER INFORMATION**

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Special Precautions:  
Do not allow to freeze  
Do not store in excess of 200°F

### **Revision Statement:**

This Material Safety Data Sheet has been revised to follow the ANSI Z400.1 standard.  
Supersedes:

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This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The information has been completed to the best of our knowledge and is believed to be accurate and reliable as from the date indicated. However, no warranty is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy oneself as to the suitability and completeness of such information for his own particular use.