



## MATERIAL SAFETY DATA SHEET

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### Section I: Product

Name: **Liquid Latex, Wrinkle Stipple**  
Class: Modified Natural Rubber Latex

H M I S HAZARD CODES:

Health: 1 Slight

Flammability: 0 Minimal

Reactivity: 0 Minimal

Personal Protective Equipment: X

### Section II: Hazardous Ingredients

INGREDIENT:	% By Wt.	C.A.S. Reg. No.	Vapor Pressure Mm Hg @ 20 C
Zinc Oxide	1 – 5	1314-13-2	N/A
Potassium Hydroxide, KOH	1 – 5	1310-58-3	N/A
Ammonium Hydroxide	< 1	1336-21-6	11.9

### Section III: Physical Data

Boiling Range: : >212 deg F      Freezing Point: 32 deg F  
Vapor Pressure: : N/A mm @ 20 deg C      Vapor Density: < air  
Specific Gravity: 0.9706  
H<sub>2</sub>O Soluble: (10 – 99.99%)  
% Volatile by Volume: 27.94% (relative to n-butyl acetate)  
Appearance and Odor: White or light flesh colored liquid, mild ammonia odor

### Section IV – Fire and Explosion Hazard Data

Flash Point: N/A deg F  
Explosive limits: LEV UEL (% V in air) (method used: Pensky-Martens)  
N/A N/A

#### FLAMMABILITY CLASSIFICATION:

OSHA: N/A

DOT: Not regulated for flammability

Extinguishing Media: Carbon dioxide, dry chemical, foam.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective clothing to guard against exposure to toxic irritating fumes. Fire fighters should wear self-contained breathing apparatus with a full facepiece operated in a positive pressure mode.

### Section V: Toxicological Information

Ingredient	PEL	TLV	(twa)	LD50	LC50 ppm		
	<u>Mg/m3</u>		<u>(ppm)</u>	<u>Oral</u>	<u>Dermal/Inhal</u>		
Potassium Hydroxide	N/A	2.0	N/A	365	N/A	N/A	+C
Ammonm Hydroxide	50	15.	25.	N/A	N/A	N/A	
Zinc Oxide	N/A	N/A	N/A	N/A	N/A	N/A	

### Section VI: Health Hazard Data

**EFFECTS OF OVEREXPOSURE:**

Threshold limit values: See Section V

+C: This TVL is the Ceiling Limit value, which should not be exceeded. Ammonia vapor may collect at the top of sealed containers during storage. This vapor can cause irritation of the skin and respiratory system. Excessive skin contact could cause irritation or even an allergic dermatitis.

**EMERGENCY AND FIRST AID PROCEDURES:** Flush eyes with large amounts of water for at least 15 minutes. Get medical attention. Wash skin thoroughly with soap and water. Consult a physician if irritation develops or persists. Remove contaminated clothing and wash before re-use. If affected by vapors, remove patient to fresh air. Get medical attention if necessary. If swallowed, drink large amounts of water. Get medical attention.

This product does not contain ingredients listed as carcinogenic according to NTP, IARC, or OSHA.

### Section VII: Reactivity Data

Stability: Stable

Stability conditions to avoid: None

Incompatibility: Avoid contact with strong oxidizing agents. Liquid potassium hydroxide is a strong base – avoid contact with acids.

Hazardous Decomposition Products: CO, CO2 If dry rubber is heated or ignited, poisonous fumes and smoke will be emitted.

Hazardous Polymerization: Will not occur. Polymerization conditions to avoid: None.

## Section VIII: Spill or Leak Procedures

Steps for material spillage: Properly protected personnel should contain the spill & soak up with absorbent material. Shovel absorbed material into containers for disposal.

Waste disposal methods: Dispose of according to federal, state and local regulations. Empty containers contain residual material, which may decompose to emit toxic or irritating fumes if burned.

SARA Title 111 Regulatory information: Section 302, Extremely Hazardous Substances: Does not contain Section 311/312 Categories for Tier I & Tier II reporting.

Fire  Immediate (acute) Health  
 Reactivity  Delayed (chronic) Health  
 Sudden Release of Pressure

Section 313 Emissions Reporting: The following indicates any ingredients that are listed as subject to reporting requirements of EPA Section 313.

	<u>CAS #</u>	<u>LISTED?</u>	<u>%</u>
ZINC OXIDE	1314-13-3	NO	1 - 5
Contains: ZINC COMPOUNDS	-----	YES	---
POTASSIUM HYDROXIDE, KOH	1310-38-3	NO	1 - 5
AMMONIUM HYDROXIDE	1336-21-6	NO	< 1

California Proposition 65: This product is not known to contain any listed chemicals.

## Section IX: Special Protection Information

Respiratory Protection: If ventilation is inadequate, wear an appropriate respirator to prevent overexposure.

Ventilation: Good room Ventilation. Provide mechanical or local exhaust during baking to prevent fumes from accumulating.

Protective Gloves/Eye Protection: Chemical safety glasses or splash goggles to prevent eye contact.

Other Protective Equipment: If needed to prevent unnecessary skin contact.

Primary routes of Entry: Skin contact, inhalation.

## Section X: Special Precautions

Handling and Storage Precautions: Avoid unnecessary skin contact with this product.

Avoid breathing vapors. Provide adequate ventilation during use.

Other precautions: Store in a cool, dry location. Keep containers tightly sealed and upright when not in use. Keep from freezing.

Shipping Information:

DOT Shipping Name: Natural Rubber Latex, liquid.

Hazard Class UN/NA Number: None.