

# SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION

**Product Name:** Latex Bonding Admixture  
**Other Means of Identification:** Product Code: CS ABA  
**Recommended Product Use:** Bonding Agent / Admixture for Cement Based Patching Materials  
**Restrictions on Use:** None Known

### Manufacturer/Importer/Supplier/Distributor Information:

**Company:** Con-Spec Industries Ltd.  
**Address:** 9525 - 63 Avenue NW  
Edmonton, Alberta T6E 0G2  
**Contact:** Robert Lummerding  
**Telephone:** 1 (780) 437-6136  
**Fax:** 1 (780) 437-5242  
**E-Mail:** conspec@shaw.ca

**Emergency Telephone:** CANUTEC (613) 996-6666

## SECTION 2. HAZARD(S) IDENTIFICATION

This Material is considered hazardous under the OSHA Hazard Communications Standards (29 CFR 1910.1200)

**Physical Hazards:** Not Classified  
**Health Hazards:** Skin sensitizer Category 2

**Label Elements:**  
**Hazard Symbol:**



**Signal Word:** Warning  
**Hazard Statement:** H317: May cause an allergic skin reaction.

### Precautionary Statement:

**Prevention:** P261: Avoid breathing dust /fume /gas /mist /vapours /spray. P280: Wear protective gloves/ protective clothing /eye protection /face protection. P281: Use personal protective equipment as required.  
**Response:** P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302 + P350: IF ON SKIN: Gently wash with plenty of soap and water.  
**Storage:** P404: Store in a closed container. Do not freeze.  
**Disposal:** Dispose of waste and residues in accordance with local authority requirements.

**Other Hazards Which do not Result in GHS Classification:**  
24.93% of the mixture consists of ingredient(s) of unknown toxicity

# SAFETY DATA SHEET

## Latex Bonding Admixture

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Mixtures:**

Chemical Identity	CAS Number	Content in Percent (%)*
Acrylic / Styrene Acrylic Emulsion	Mixture	35-15
Ammonium Hydroxide	1336-21-6	<0.01

**Composition comments:** \*All concentrations are percent by volume.

### SECTION 4. FIRST-AID MEASURES

**Inhalation:** Move person to fresh air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

**Skin Contact:** Wash skin with soap and water. Wash contaminated clothing before reuse.

**Eye Contact:** Do not allow victim to rub eye(s). Rinse eyes thoroughly with water for at least 15 minutes, including under eye lids. Seek medical attention.

**Ingestion:** Rinse mouth thoroughly. Drink plenty of water, and consult a doctor immediately.

**Most Important Symptoms/Effects, Acute and Delayed:** May cause skin and eye irritation.

**Immediate Medical Attention and Special Treatment:** Get medical attention if symptoms occur.

**General Information:** Good personal hygiene is essential. Always wash your hands after handling product.

### SECTION 5. FIRE-FIGHTING MEASURES

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Suitable Extinguishing Media:** Use fire-extinguishing media appropriate for surrounding materials. Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media:** Do not use water jet as an extinguisher, as this may spread the fire.

**Specific Hazards Arising from the Chemical:** During fire, gases hazardous to health may be formed.

**Special Protective Equipment and Precautions for Firefighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special Fire Fighting Procedures:** Use standard firefighting procedures and consider the hazards of other involved materials.

# SAFETY DATA SHEET

## Latex Bonding Admixture

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions,  
Protective Equipment and  
Emergency Procedures:**

Keep unnecessary personnel away. Ensure adequate ventilation, especially in confined areas.

**Methods and Material for  
Containment and Cleaning  
Up:**

Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**Notification Procedures:**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

### SECTION 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment.

**Conditions for Safe Storage,  
Including any Incompatibilities:**

Keep container closed until ready for use. Store in original tightly closed container. Do not freeze. Store away from incompatible materials (see Section 10 of the SDS).

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters**
**Occupational Exposure Limits**

Chemical Name	Type	Exposure Limit Values	Source
Ammonium hydroxide (vapour)	TWA (8 hr)	50 ppm 35 mg/m <sup>3</sup> PEL	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Ammonium hydroxide (vapour)	TWA (8 hr)	25 ppm 18 mg/m <sup>3</sup> TLV	US. ACGIH Threshold Limit Values (2011)
Ammonium hydroxide (vapour)	STEL (15 minutes)	35 ppm 27 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (2011)
Ammonium hydroxide (vapour)	REL (10 hr)	25 ppm 18 mg/m <sup>3</sup>	NIOSH
Ammonium hydroxide (vapour)	STEL (15 minutes)	35 ppm 27 mg/m <sup>3</sup>	NIOSH

Consult local authorities for provincial or state exposure limits.

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.

TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. A4 = Not classifiable as a human carcinogen.

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

OEL = Occupational Exposure Limits. REL: Recommended Exposure Limit

# **SAFETY DATA SHEET**

## **Latex Bonding Admixture**

Page 4 / 7

**Appropriate Engineering Controls** Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local Exhaust ventilation may be required.

### **Individual Protection Measures, such as Personal Protective Equipment**

**General Information:** Use personal protective equipment as required.

**Eye Protection:** The use of safety goggles or face shield is recommended.

**Skin Protection:** Wear gloves, boot covers and protective clothing impervious to water to prevent skin contact. Remove clothing and protective equipment that becomes contaminated and wash before reuse.

**Respiratory:** Under ordinary conditions no respiratory protection is required. Wear a NIOSH approved respirator that is properly fitted and is in good condition when occupational exposure limits are exceeded.

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

### **Appearance**

<b>Physical State:</b>	Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	Milky White
<b>Odour:</b>	Slight slight characteristic ammonia odour
<b>Odour Threshold:</b>	No information available.
<b>PH:</b>	7.5-9.5
<b>Melting Point/Freezing Point:</b>	~ 0°C (32°F)
<b>Initial Boiling Point and Boiling Range:</b>	~ 100°C (212°F)
<b>Flash Point:</b>	> 93°C (200°F)
<b>Evaporation Rate:</b>	Slower than Ether.
<b>Flammability (solid, gas):</b>	No.
<b>Upper/Lower Limit on Flammability or Explosive Limits</b>	
<b>Flammability limit - upper (%):</b>	Not applicable.
<b>Flammability limit - lower (%):</b>	Not applicable.
<b>Explosive limit - upper (%):</b>	Not applicable.
<b>Explosive limit - lower (%):</b>	Not applicable.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
<b>Relative Density:</b>	1.03
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Soluble.
<b>Solubility (other):</b>	No information available.
<b>Partition Coefficient (n-octanol/water):</b>	No information available.
<b>Auto-ignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## SAFETY DATA SHEET

### Latex Bonding Admixture

#### SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid:</b>	Protect from freezing - product stability may be affected.
<b>Incompatible Materials:</b>	Strong acids. Strong bases.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

#### SECTION 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Inhalation, Skin Contact, Eye Contact, Ingestion

**Symptoms of Exposure:**

- Inhalation:** In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
- Skin:** Moderately irritating to skin with prolonged exposure. May cause allergic skin reaction.
- Eyes:** Eye contact is possible and should be avoided. May cause eye irritation.
- Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

**Symptoms Related to the Physical, Chemical and Toxicological Characteristics**

No information available.

**Acute Toxicity / Effects:**

- Ingestion:** No information available.
- Inhalation:** No information available.
- Skin Contact:** No information available.
- Eye Contact:** No information available.

**Information on Toxicological Effects Acute Dose Effects**

**Numerical Measures of Toxicity:**

**General Product Information:** No information available for the product.

**Component Analysis - LD50/LC50**

Ammonium hydroxide (1336-21-6): Oral LD50 Rat: 350 mg/kg

- Dermal:** No information available.
- Inhalation:** No information available.

**SAFETY DATA SHEET**  
**Latex Bonding Admixture**

<b>Repeated Dose Toxicity:</b>	No information available.
<b>Carcinogenicity:</b>	No information available.
<b>Germ Cell Mutagenicity:</b>	
In vitro:	No information available.
In vivo:	No information available.
<b>Reproductive Toxicity:</b>	No information available.
<b>Specific Target Organ Toxicity:</b>	
Single Exposure:	No information available.
Repeated Exposure:	No information available.
<b>Chronic Effects Prolonged or Repeated Exposure:</b>	No information available.
<b>Unknown Acute Toxicity:</b>	29.65% of the mixture consists of ingredient(s) of unknown toxicity

**SECTION 12. ECOLOGICAL INFORMATION**

<b>Eco Toxicity:</b>	Mixture contains an ingredient that is harmful to the environment. Ammonia is harmful to aquatic life at very low concentrations. Mixture consists of Ammonium Hydroxide (1336-21-6) at less than 0.01% by volume.
Ammonium Hydroxide (1336-21-6):	
Fish:	8.2: 96 h Pimephales promelas mg/L LC50 96h Western mosquitofish (Gambusia affinis) 15 mg/l Mortality LC50
Crustacea:	0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50
<b>Persistence and Degradability:</b>	No Data Available
<b>Bioaccumulation Potential:</b>	No Data Available
<b>Mobility in Soil:</b>	No Data Available
<b>Other Adverse Effects:</b>	No Data Available

**SECTION 13. DISPOSAL CONSIDERATIONS**

<b>Disposal of Wastes:</b>	Dispose of according to Federal, State, Provincial and Local regulations.
<b>Contaminated Packaging:</b>	Do not reuse container.

**SAFETY DATA SHEET**  
**Latex Bonding Admixture**

**SECTION 14. TRANSPORT INFORMATION**

**TDG:** Not regulated as dangerous goods.

**UN Shipping Name:** Not Regulated

**Classification:** N/A

**UN:** N/A

**Packing Group:** N/A

**SECTION 15. REGULATORY INFORMATION**

**WHMIS Classification:** Not Regulated

**Canada DSL/NDSL Inventory:** All components in this product are listed or exempt from the Inventory.

**SECTION 16. OTHER INFORMATION**

**Revision Date:** June 13, 2017

**Version #:** 1.1

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