



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

<b>Product name</b>	<b>D60714</b>
<b>MSDS name</b>	D-870 CARP SQ. ADH 4GL/LE-2PR
<b>CAS number</b>	Mixture
<b>Product use</b>	Installation of carpet square backings and carpet pad
<b>Generic description</b>	Latex adhesive
<b>Manufacturer</b>	Bostik, Inc. 211 Boston Street Middleton, MA 01949 USA
<b>24 hour emergency assistance</b>	Telephone: 1-800-227-0332
<b>General assistance</b>	Telephone: 1-978-777-0100
<b>MSDS assistance</b>	Telephone: 1-414-607-1347

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS #	Percent
Urea	57-13-6	1 - 5
Formaldehyde	50-00-0	0 - 0.1

### 3. HAZARDS IDENTIFICATION

<b>Emergency overview</b>	Extended contact with this material may cause irritation to the skin, eyes, and mucous membranes. Primary Routes of Exposure: eyes, skin, and inhalation.
<b>Potential health effects</b>	
<b>Skin</b>	Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.
<b>Eyes</b>	May cause irritation with temporary redness with stinging and tearing.
<b>Inhalation</b>	Inhalation: Inhalation of mist and/or vapor may cause respiratory irritation, dizziness, nausea, or headache.
<b>Ingestion</b>	This product can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
<b>Target organs</b>	None known for product as a whole.

### 4. FIRST AID MEASURES

<b>First aid</b>	
<b>Skin</b>	Remove contaminated clothing to prevent further skin exposure and dispose of properly. In situations involving considerable skin contact, place the contaminated person in a deluge shower for at least 15 minutes. Seek medical attention immediately. For minor exposures, wash thoroughly with soap and clean water. Do not attempt to neutralize with chemical agents. Once thoroughly washed, seek medical attention immediately.
<b>Eye</b>	Immediately flush with plenty of water for at least 15 minutes, holding eyelids open at all times. Do not attempt to neutralize with chemical agents. Get medical attention immediately.
<b>Inhalation</b>	Remove to fresh air. Get medical attention if symptoms develop. If not breathing, give CPR.
<b>Ingestion</b>	No harmful effect is anticipated. If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>Notes to physician</b>	None

### 5. FIRE FIGHTING MEASURES

<b>Hazardous combustion products</b>	Decomposition can produce hazardous chemicals. Carbon monoxide, carbon dioxide, acetic acid, vinyl acetate, and other unknown products may be produced during combustion.
<b>Extinguishing media</b>	This product is a water dispersion and as such will not burn until all water has boiled away. Residual solid and container can support combustion. Use dry chemical, carbon dioxide, water spray, or foam.

<b>Sensitivity to mechanical impact</b>	None Known
<b>Sensitivity to static discharge</b>	None Known
<b>Unusual fire &amp; explosion hazards</b>	During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. Vapors may be heavier than air and may travel long distances along the ground before igniting back to vapor source. High temperatures can cause sealed containers to rupture due to a buildup of internal pressures. Cool with water.
<b>Fire fighting equipment/instructions</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Flash point</b>	> 200 °F (> 93.3 °C)

## 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency action</b>	Appropriate safety measures and protective equipment should be used. See Section 8. Do not discharge to lakes, streams, ponds, or sewers. Dispose of in compliance with local, state, and federal regulations.
<b>Containment</b>	Isolate spill area. Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams. Cover spills with absorbant clay or sawdust and place in closed chemical waste containers. Use caution to avoid falls. Spilled adhesive is very slippery.
<b>Reporting</b>	See Federal reporting requirements listed in Section 15. We recommend you contact local authorities to determine if there may be other local reporting requirements.

## 7. HANDLING & STORAGE

<b>Handling</b>	Wash hands thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, face shields, and gloves. Professionally launder contaminated clothing before re-use.
<b>Storage</b>	Do not freeze. Store in a cool, dry, well-ventilated area away from heat, ignition sources and direct sunlight. Water contamination should be avoided. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.
<b>Empty container precaution</b>	Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls</b>	Use local exhaust ventilation when vapors, mists, or dusts are being generated. Suitable respiratory equipment should be used when insufficient ventilation or operational procedures demand it.
<b>Eye protection</b>	Wear goggles or safety glasses with side shields. Contact lenses should not be worn.
<b>Skin and body protection</b>	Wear rubber boots and apron, protective clothing, and impervious gloves to minimize skin exposure.
<b>Respiratory protection</b>	None required where adequate ventilation conditions exist. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
<b>General</b>	Eyewash fountains and emergency showers should be readily available.
<b>Exposure limits</b>	
<b>NIOSH - Pocket Guide - TWAs</b>	
Formaldehyde	50-00-0 <u>0.016 ppm TWA</u>
<b>OSHA - Final PELs - Time Weighted Averages (TWAs)</b>	
Formaldehyde	50-00-0 <u>0.75 ppm TWA</u>
<b>OSHA - Vacated PELs - Ceilings</b>	
Formaldehyde	50-00-0 <u>5 ppm Ceiling (unless specified in 1910.1048)</u>
<b>OSHA - Vacated PELs - TWAs</b>	
Formaldehyde	50-00-0 <u>3 ppm TWA (unless specified in 1910.1048)</u>

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Solubility (H2O)</b>	Disperses in Water
<b>Freezing point</b>	32 °F (0 °C)
<b>Density</b>	1.09 g/cc
<b>Odor</b>	Solvent
<b>Physical state</b>	Liquid

Freeze protect No

## 10. STABILITY & REACTIVITY

**Hazardous reactions/decomposition products** If product is burned carbon monoxide, carbon dioxide, acetic acid, vinyl acetate, and other unknown products may be produced. Additionally, depending on conditions, some aliphatic aldehydes and carboxylic acids may be formed.

**Hazardous polymerization** Will not occur.

**Conditions to avoid** Excessive heat over 200°C or cold under 10°C. Avoid water, amines, strong bases, alcohols and metallic hydrides.

**Stability** Stable under normal conditions. Coagulation may occur following freezing, thawing, or boiling.

## 11. TOXICOLOGICAL INFORMATION

**Toxicological data** If any toxicological data is available, it will be listed below:

### LD50

#### Toxicology Data - Selected LD50s and LC50s

Formaldehyde	50-00-0	<u>Inhalation LC50 Rat: 0.578 mg/L/4H; Inhalation LC50 Rat: 250 ppm/4H; Oral LD50 Rat: 100 mg/kg; Dermal LD50 Rabbit: 270 mg/kg</u>
Urea	57-13-6	<u>Oral LD50 Rat: 8471 mg/kg; Dermal LD50 Rat: 8200 mg/kg</u>

**Carcinogenicity** If this product contains any carcinogens, they will be noted below:

#### IARC - Group 1 (Carcinogenic to Humans)

Formaldehyde	50-00-0	<u>Monograph 88 in preparation, Monograph 62 [1995], Supplement 7 [1987]</u>
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#### NIOSH - Pocket Guide - Potential Occupational Carcinogens

Formaldehyde	50-00-0	<u>potential occupational carcinogen</u>
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#### NTP (National Toxicology Program) - Report on Carcinogens - Reasonably Anticipated to be Human Carcinogens

Formaldehyde	50-00-0	<u>Reasonably Anticipated To Be A Carcinogen</u>
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#### OSHA - Hazard Communication Carcinogens

Formaldehyde	50-00-0	<u>Present</u>
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## 12. ECOLOGICAL INFORMATION

**Ecotoxicological information** No data available for this product.

## 13. DISPOSAL CONSIDERATIONS

It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state and federal regulations.

**Waste disposal** This product as supplied is not considered a hazardous waste under RCRA. This product should not be disposed of in a landfill. Do not discharge to streams, lakes, ponds, or sewers. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local, and state laws.

## 14. TRANSPORT INFORMATION

### Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. REGULATORY INFORMATION

All components are on the U.S. EPA TSCA Inventory List.

This MSDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200.

## Federal regulations

### CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Formaldehyde 50-00-0 100 lb final RQ; 45.4 kg final RQ

### CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

Formaldehyde 50-00-0 100 lb EPCRA RQ

### CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

Formaldehyde 50-00-0 500 lb TPQ

### CERCLA/SARA - Section 313 - Emission Reporting

Formaldehyde 50-00-0 0.1 % de minimis concentration

### CWA (Clean Water Act) - Hazardous Substances

Formaldehyde 50-00-0 Present

## State regulations

If this product contains any ingredients listed under California Proposition 65, they will be noted below:

### California - Proposition 65 - Carcinogens List

Acetaldehyde 75-07-0 carcinogen, initial date 4/1/88 Trace impurity

Formaldehyde 50-00-0 carcinogen, initial date 1/1/88 (gas)

## International regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.

All components are included on the Canadian Domestic Substances List (DSL).

## HMIS Ratings

Health: 1  
Flammability: 1  
Physical hazard: 0  
Personal protection: X

## SARA 311/312 HAZARD CATEGORIES

Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

## WHMIS status

Controlled

## WHMIS labeling



## WHMIS classification

D2B - Other Toxic Effects-TOXIC

# 16. OTHER INFORMATION

## Disclaimer

The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

## Issue date

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## Prepared by

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