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## Source Report: Adhesives

### Healthbond 4200 Seam Cleaner

Healthbond 4200 Seam Cleaner is a non-alkaline, non-flammable clear liquid surfactant solution that will aid the lifting of latex, acrylic and pressure sensitive adhesives from flooring surfaces. It also aids in the removal of chewing gum. Healthbond 4200 Seam Cleaner works by penetrating and emulsifying the adhesive at the contact surface to loosen the bond. For best results, use at room temperature, carefully read and follow instructions for use. Always test a small area before using.

#### TECHNICAL DATA & WARRANTY

Healthbond 4200 Seam Cleaner is an aqueous formulation of penetrating and emulsifying agents. It does not “dissolve” or “freeze” adhesives or chewing gum. It works through a surfactant action on the tacky bond between fabric and polymer. The adhesive or gum loses its adhesion to the fabric and is removed in portions. Healthbond 4200 Seam Cleaner is formulated to be low-odor, nonflammable, and biodegradable. It does not contain hazardous solvents and is completely water-soluble.

Please read all warnings and follow all directions on the product container.

#### Suitable Substrates

Not suggested for use for removal of asphalt or solvent-based adhesives.

#### Application and Coverage

General directions for use as a spot remover for dry adhesive or chewing gum on carpet:

1. Pick or peel away or otherwise remove as much of the dry adhesive or gum as possible. On carpet or upholstery, avoid grinding the gum or adhesive further into the fibers.
2. Spray 4200 Seam Cleaner directly onto the spot of adhesive or gum and wet thoroughly. Allow to soak for 5 minutes, then spray again.
3. Test the spot with a plastic or wood scraper; again try to scrape the adhesive off the carpet without grinding it into the fibers. Chewing gum will “pill” or “ball up” due to the effect of the cleaner. Sweep away these residues and continue finer cleaning with a cloth and/or soft brush. Avoid too much scraping or hard brushing as this will fray or damage the fibers.
4. After the adhesive or gum is removed, rinse the spot with clean water, and blot dry with a clean towel.

#### Storage and Handling

Store Healthbond 4200 Seam Cleaner in a cool, dry area away from heat sources. Do not allow to freeze.

#### Shelf Life

This product has a shelf life of one year.

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### Healthbond 4200 Seam Cleaner – Material Safety Data Sheet

#### Manufactured for:

Bentley Prince Street  
14641 East Don Julian Road  
City of Industry, California 91746  
800.423.4709

#### 24-hour Emergency:

Chemtrec: 800.424.9300

NFPA Rating: H=1, F=1, R=0

#### Identity:

Product Name: Cleaner 4200  
Supplier: Re:Source Technologies  
Supplier Address: 237 Nance Road NE,  
Calhoun, Georgia 30701  
CAS Number: Proprietary mixture  
WHMIS Classification:

Not controlled  
Chemical Name: Proprietary mixture  
Molecular Weight: Not applicable – mixture  
Chemical Family: Aqueous cleaning  
compound

\*all components of this product appear on the Inventory of Chemical Substances published by the US Environmental Protection Agency (EPA) under the authority of the Toxic Substances Control Act (TSCA).

#### Composition and Ingredient Information:

Water	CAS Number: 773-18-5 Percent: 80-90 TLV Value: Not Established
Glycol ether DPM	CAS Number: 34590-94-8 Percent: 10 TLV Value: Not Established
EDTA, sodium salt	CAS Number: 64-02-8 Percent: .05-.1 TLV Value: Not Established
Nonylphenol ethoxylate	CAS Number: 9015-45-9 Percent: 1-2 TLV Value: Not Established

“no toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR are present.”

#### Physical and Chemical Characteristics:

Boiling Point:	212°F
Specific Gravity:	1.00
Vapor Pressure:	Same as water
Percent Volatile by Volume:	99%
Vapor Density (air=1):	Same as water
Evap. Rate (water=1):	Same as water
Solubility in Water:	Soluble
Appearance and Odor:	Clear liquid, little odor
Other:	pH9.0-9.0), VOC Content:100 grams/liter

#### Fire and Explosion Hazard Data:

Flash Point:	>212°F
Method Used:	ASTM D-93
<b>Flammable Limits in Air (% by volume):</b>	
Lower:	Non-flammable
Upper:	Non-flammable
Extinguishing Media:	Water, dry chemical, CO2
Auto-Ignition Temperature:	Not determined
Unusual Fire and Explosion Hazards:	None known

#### Physical Hazards:

Stability:	Stable
Incompatible Materials	None known
Hazardous Decomposition Products:	None known
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None known

#### Health Hazards:

Threshold Limit Value:	Not determined
<b>Acute Overexposure:</b>	
Eye contact:	Avoid eye contact. Can cause eye irritation
Inhalation:	No effects are expected.
Skin contact:	Prolonged contact can cause skin irritation.
Swallowing:	Swallowing may cause stomach and intestinal irritation.

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#### Health Hazards (cont.)

Chronic Overexposure: None known  
 Medical Conditions Aggravated by Exposure: None known  
 Toxicity: No data available  
 Listed as Carcinogen or Potential Carcinogen by:  
 -NTP: No  
 I.A.R.C: No  
 OSHA: No  
 Emergency First Aid Contacts:  
 Inhalation: In case of overexposure move victim to fresh air. If breathing difficult, give oxygen. Get medical attention.  
 Eye Contact: In case of eye contact flush eyes with water for at least 15 minutes. Seek medical attention if irritation persists.  
 Skin Contact: In case of contact wash skin with soap and water.  
 Ingestion: If swallowed do not induce vomiting. Get medical attention immediately.

#### Precautions for Safe Handling and Use

Precautions to be taken in handling and storage:  
 Store at 40-110°F as recommendation.  
 Provide adequate ventilation in the workplace.  
 Steps to be taken if material is released or spilled:  
 Cover small spills using inert absorbent, then sweep up and place in a waste disposal container.  
 Waste disposal methods:  
 Dispose of in accordance with Federal RCRA and applicable State and Local regulations.

#### Special Precautions and Spill/Leak Protection:

Respiratory Protection: None required with adequate ventilation.  
 Ventilation: General mechanical.  
 Gloves: Impervious. Neoprene rubber recommended.  
 Eye Protection: Safety glasses or splashproof goggles.  
 Other: Keep containers closed and properly stored. Maintain an eyewash facility in the work area.  
 Transportation: D.O.T. Emergency Guide No.: Not regulated.