



10-022

Safety Data Sheet

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Revision Date: April 16, 2015

Supersedes: 07/20/2010

Version: 1.0

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY CONTACT INFORMATION**

**1.1. Product Identifier**

Product Code: 10-022

Variants: -D2,-G2,-G6

Synonyms: Water based Adhesive

**1.2. Intended End Use of the Product**

Adhesive

**1.3. Supplier Contact Information**

Evans Adhesive

925 Old Henderson Rd

Columbus OH 43220

T 614-451-2665

www.evansadhesive.com

**1.4. Emergency Telephone Number**

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – 800-424-9300

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Hazard Classification of the Substance**

Chronic Aquatic 4 H413

**2.2. Label Elements**

Signal Word: Warning

Hazard Statements: H413 – May cause long lasting harmful effects to aquatic life.

Hazard Pictograms:



GHS07

Precautionary Statements: P273 - Avoid release to the environment.

P501 - Dispose of contents/container according to local, regional, national, and international regulations.

**2.3. Other Hazards**

Exposure may aggravate those with pre-existing eye, skin or respiratory conditions

**SECTION 3: COMPOSITION/INFORMATION ON RAW MATERIALS**

**3.1. Substances**

Not applicable

**3.2. Mixtures**

Name	Product Identifier	%	Classification
Polyethyleneimine	(CAS No) 9002-98-6	< 1	Chronic Aquatic 4 , H413

**3.3. Chemicals with Trade Secret Claimed**

Not applicable

**SECTION 4: FIRST AID MEASURES**

**4.1. First Aid Instructions**

**After Inhalation:** When symptoms occur, go into open air and ventilate suspected area. If you feel unwell, seek medical advice.

**After Skin Contact:** Rinse immediately with plenty of water (for at least 15 minutes). Obtain medical attention if irritation persists (show the label where possible).

**After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

**After Ingestion:** Rinse mouth. Do NOT induce vomiting.

#### 4.2. Potential symptoms and effects (both acute and delayed)

**Symptoms/Injuries:** May cause eye irritation.

**After Inhalation:** May cause respiratory irritation.

**After Skin Contact:** May cause skin irritation.

**After Eye Contact:** May cause eye irritation.

**After Ingestion:** Ingestion may be harmful or have adverse effects.

#### 4.3. Recommendations if Immediate Medical Attention is Needed

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream may spread fire.

### 5.2. Specific Hazards Arising From the Substance

**Fire Hazard:** Not flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Recommendations for Firefighters

**Firefighting Instructions:** Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not allow product to spread into the environment. Handle in accordance with good industrial hygiene and safety practice.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when

leaving work.

### 7.2. Conditions for Safe Storage, Including Incompatibilities

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Protect from freezing.

**Incompatible Products:** Strong acids. Combustible materials. Strong bases.

### 7.3. Specific End Use(s)

Adhesive

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. Control Parameters

None

### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Personal Protective Equipment:** Gloves. Safety glasses. Protective clothing.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing. Wash contaminated clothing before reuse.

**Respiratory Protection:** Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

<b>Physical State</b>	: Liquid
<b>Appearance</b>	: Off White
<b>Odor</b>	: Mild
<b>Odor Threshold</b>	: No data available
<b>pH</b>	: 6.0-8.0
<b>Melting Point</b>	: No data available
<b>Freezing Point</b>	: 0 °C (32 °F, Water)
<b>Boiling Point</b>	: 100 °C (212 °F, Water)
<b>Flash Point</b>	: Water Based System
<b>Relative Evaporation Rate (butylacetate=1)</b>	: <1
<b>Flammability (solid, gas)</b>	: Water Based System
<b>Vapor Pressure</b>	: 17.535 (Water)
<b>Relative Vapor Density at 20 °C</b>	: No data available
<b>Relative Density</b>	: No data available
<b>Solubility</b>	: Soluble in water
<b>Partition coefficient: n-octanol/water</b>	: No data available
<b>Auto-ignition Temperature</b>	: Water Based System

<b>Decomposition Temperature</b>	: No data available
<b>Specific Gravity</b>	: 1.03
<b>Viscosity</b>	: No data available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2 Chemical Stability:** Stable under normal ambient conditions.
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Extremely high or low temperatures.
- 10.5 Incompatible Materials:** Strong acids. Combustible materials. Strong bases.
- 10.6 Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>). Under conditions of fire this material may produce: Nitrogen oxides. Sodium oxides. Boron compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

<b>Acute Toxicity:</b> Not classified	
<b>Polyethyleneimine (9002-98-6)</b>	
<b>LD50 Oral Rat</b>	2800 mg/kg

- Skin Corrosion/Irritation:** Causes skin irritation.
- Serious Eye Damage/Irritation:** May cause eye irritation.
- Respiratory or Skin Sensitization:** Not classified
- Germ Cell Mutagenicity:** Not classified
- Carcinogenicity:** None known.
- Reproductive Toxicity:** Not classified.
- Specific Target Organ Toxicity (Single Exposure):** Not classified
- Specific Target Organ Toxicity (Repeated Exposure):** Not classified.
- Aspiration Hazard:** Not classified
- Symptoms After Inhalation:** May cause respiratory irritation.
- Symptoms After Skin Contact:** May cause skin irritation.
- Symptoms After Eye Contact:** May cause eye irritation.
- Symptoms After Ingestion:** Ingestion may be harmful or have adverse effects.
- Chronic Symptoms:** None known.

## SECTION 12: ECOLOGICAL INFORMATION

- 12.1. Toxicity:** Harmful to aquatic life.
- 12.2. Persistence and Degradability:** Not established
- 12.3. Bioaccumulative Potential:** Not established
- 12.4. Mobility in Soil:** No additional information available
- 12.5. Other Adverse Effects**

Avoid release to the environment

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Additional Information:** Avoid release to the environment

## SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/DOT/TDG

**14.1. UN Number**

Not regulated for transport

**14.2. UN Proper Shipping Name**

Not regulated for transport.

**14.3. Additional Information****Transport by Sea:** Not regulated for transport.**Air Transport:** Not regulated for transport.**SECTION 15: REGULATORY INFORMATION****15.1 US Federal Regulations**

<b>10-022</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

<b>Polyethyleneimine (9002-98-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

**15.2 US State Regulations**

<b>Polyethyleneimine (9002-98-6)</b>	
U.S. – Pennsylvania - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	

**SECTION 16: OTHER INFORMATION****Revision Date:** April 16, 2015**Other Information:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.**GHS Full Text Phrases:**

Aquatic Acute 4	Hazardous to the aquatic environment - Acute Hazard Category 4
H413	May cause long lasting harmful effects to aquatic life.

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