

**06016**

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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:** 06016**Variants:** -000**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 3 H412

2.2. Label Elements**Signal Word:** Warning**Hazard Statements:** H412 – Harmful to aquatic life with long lasting effects.**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	< 3	Chronic Aquatic 3 , H412

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**

Physical State	: Liquid
Appearance	: Off White
Odor	: Mild
Odor Threshold	: No data available
pH	: 4.0-6.0
Melting Point	: No data available
Freezing Point	: 0 °C (32 °F, Water)
Boiling Point	: 100 °C (212 °F, Water)
Flash Point	: Water Based System
Relative Evaporation Rate (butylacetate=1)	: <1
Flammability (solid, gas)	: Water Based System
Vapor Pressure	: 17.535 (Water)
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Solubility	: Soluble in water
Partition coefficient: n-octanol/water	: No data available
Auto-ignition Temperature	: Water Based System
Decomposition Temperature	: No data available
Specific Gravity	: 1.03
Viscosity	: 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, CO₂). Under conditions of fire this material may produce: Nitrogen oxides. Sodium oxides. Boron compounds.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on Toxicological Effects**

Acute Toxicity : Not classified

Polyethyleneimine (9002-98-6)	
LD50 Oral Rat	2800 mg/kg

Causes skin

Skin Corrosion/Irritation:
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**

06016	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

Polyethyleneimine (9002-98-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	0.1 %

15.2 US State Regulations

Polyethyleneimine (9002-98-6)	
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 3	Hazardous to the aquatic environment - Acute Hazard Category 3
H412	Harmful to aquatic life with long lasting effects

DISCLAIMER: *This information is based on our current knowledge as of the date of issuance (above) and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Reasonable care has been taken in the preparation of this information, but **THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR BASED ON COURSE OF PERFORMANCE OR USAGE OF TRADE, AND THE MANUFACTURER ASSUMES NO LIABILITY FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ITS USE.** User is responsible for determining whether this product is fit for a particular purpose and suitable for user's method of use or application. Because there are a variety of factors that may affect the use and application of this product, some of which are uniquely within the user's knowledge and control, the user should evaluate this product to determine whether it is fit for a particular purpose and suitable for the user's application or method of use.*

If this SDS is obtained electronically, via the Internet, please be advised that that due to the risk that electronic transfer may result in errors, omissions, or alternations in the original SDS from the manufacturer, manufacturer makes no representations as to its completeness or accuracy, and the version(s) available electronically via the Internet may not be the most recent, updated version of the SDS, copies of which can be obtained directly from the manufacturer.

SDS US (GHS HazCom) - US Only