



00422

Safety Data Sheet

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

Revision Date: May 6, 2015

Supersedes: 07/20/2010

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY CONTACT INFORMATION

1.1. Product Identifier

Product Code: 00422

Variants: -00

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

STOT RE 2

H373

2.2. Label Elements

Signal Word: Warning

Hazard Statements: H373 – May cause damage to organs (kidney) through prolonged or repeated exposure.

Hazard Pictograms:



GHS08

Precautionary Statements: P260 – Do not breathe vapors, mist, spray.

P264 – Wash exposed areas thoroughly after handling.

P305 + P351 + P338 – IF IN EYE: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P314 – Get medical advice and attention if you feel unwell

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

2.3. Other Hazards

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

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON RAW MATERIALS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	Classification
Ethylene glycol	(CAS No) 107-21-1	< 10	STOT RE 2, H373

3.3. Chemicals with Trade Secret Claimed

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. First Aid Instructions

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

After Inhalation: When symptoms occur, go into open air and ventilate suspected area.

After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

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)

After Inhalation: May cause respiratory irritation.

After Skin Contact: May cause skin irritation.

After Eye Contact: May cause eye irritation.

After Ingestion: Ingestion is likely to be harmful or have adverse effects. Damage of the kidneys can occur.

Chronic Symptoms: May cause damage to organs through prolonged or repeated exposure.

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. Combustible after evaporation of all water.

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.

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: Avoid all contact with skin, eyes or clothing. Avoid breathing (vapor, mist, spray).

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.

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: Clear up spills immediately and dispose of waste safely. Dilute with water.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe handling operating conditions are established and maintained.

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. Do not eat, drink or smoke when using this product.

7.2. Conditions for Safe Storage, Including Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Protect from freezing.

Incompatible Products: Strong acids, strong bases, and strong oxidizers.

Storage Area: Store locked up.

7.3. Specific End Use(s)

Adhesive

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control Parameters

Ethylene glycol (107-21-1)		
USA ACGIH	ACGIH Ceiling (mg/m ³)	100 mg/m ³

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

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	: 5.5-7.5
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. Coagulation may occur following freezing, thawing or boiling.
- 10.5 Incompatible Materials:** Strong acids, strong bases and strong oxidizers. Water reactive materials. Polyvinyl alcohol.
- 10.6 Hazardous Decomposition Products:** Carbon oxides (CO, CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity : Not classified

Ethylene glycol (107-21-1)	
LD50 Oral Rat	4000 mg/kg
LD50 Dermal Rabbit	3500 mg/kg

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not

classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs through prolonged or repeated exposure.

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 is likely to be harmful or have adverse effects. Damage of the kidneys can occur.

Chronic Symptoms: May cause damage to organs through prolonged or repeated exposure.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ethylene glycol (107-21-1)	
LC50 Fish 1	41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	14-18 mg/L (Exposure time: 96 h – Species: Oncorhynchus mykiss [static])

12.2. Persistence and Degradability Not established.

12.3. Bioaccumulative Potential

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Bioaccumulative Potential	Not established.

Ethylene glycol (107-21-1)	
Log Pow	-1.93

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

00422	
SARA Section 311/312	Immediate (acute) health hazard

Ethylene Glycol (107-21-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on the SARA Section 313 (Specific toxic chemical listings)	
EPA TSCA Regulatory Flag	Y2 – Y2 – indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.
SARA Section 313 – Emission reporting	1.0%

15.2 US State Regulations

Ethylene Glycol (107-21-1)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
U.S. - Pennsylvania - RTK (Right to Know) List	

SECTION 16: OTHER INFORMATION

Revision Date: May 6, 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:

STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H373	May cause damage to organs through prolonged or repeated exposure

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