



**08810**

Safety Data Sheet

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

Revision Date: May 26, 2017

Supersedes: 07/20/2010

Version: 1.0

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

### 1.1. Product Identifier

Product Code: 08810

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

Carc. 1A H350

STOT RE 1 H373

Aquatic Acute 3 H402

### 2.2. Label Elements

Signal Word: Danger

Hazard Statements:

H350 – May cause cancer

H373 – May cause damage to organs through prolonged or repeated exposure.

H402 - Harmful to aquatic life.

Hazard Pictograms:



GHS08

Precautionary Statements: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe vapors, mist, spray.

P264 - Wash exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective clothing, and protective gloves.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P405 - Store locked up

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	%
Ammonium hydroxide	(CAS No) 1336-21-6	< 1
Tetrasodium Pyrophosphate	(CAS No) 7722-88-5	< 0.2
Diethylene Glycol Ethyl Ether	(CAS No) 111-90-0	< 0.1
Fomaldehyde	(CAS No) 50-00-0	< 0.1
Potassium Hydroxide	(CAS No) 1310-58-3	< 0.1
Sodium Hydroxide	(CAS No) 1310-73-2	< 0.1

**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:** None known.

**After Inhalation:** None known.

**After Skin Contact:** None known.

**After Eye Contact:** None known.

**After Ingestion:** None known.

**Chronic Symptoms:** May cause cancer.

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

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

**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:** In a fire or if heated, a pressure increase will occur and the container may burst.

**Reactivity:** During fire, gases hazardous to health may be formed.

**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. Avoid breathing vapors or mist. Provide adequate ventilation.

**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. Avoid prolonged use. Provide adequate ventilation.

**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, locked 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

##### OSHA Specifically Regulated Substances

Component	Value	Limit
Formaldehyde	TWA	0.75 ppm
	STEL	2 ppm

##### OSHA Limits for Air Contaminates

Component	Value	Limit
Ammonium Hydroxide	PEL	35 mg/m <sup>3</sup>
Sodium Hydroxide	PEL	2 mg/m <sup>3</sup>

##### OSHA Exposure Limits

Component	Value	ACGIH	NIOSH
Ammonium Hydroxide	TWA	25 ppm	18 mg/m <sup>3</sup>
	STEL	35 ppm	27 mg/m <sup>3</sup>
Formaldehyde	TWA		
	Ceiling	0.3 ppm	0.1 ppm
Potassium Hydroxide	TWA		2 mg/m <sup>3</sup>
	Ceiling	2 mg/m <sup>3</sup>	
Sodium Hydroxide	Ceiling	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
Tetrasodium Pyrophosphate	TWA		5 mg/m <sup>3</sup>

## United States WEEL Guides

Component	Value	Limit
Diethylene Glycol Ethyl Ether	TWA	140 mg/m3

## 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. Chemical respirator with organic vapor cartridge and full face piece.



**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:** Chemical respirator with organic vapor cartridge and full face piece.

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	: White
Odor	: Ammoniacal
Odor Threshold	: No data available
pH	: 9.6 – 10.2
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Relative Evaporation Rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: 0.0001 hPa estimated
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Solubility	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Specific Gravity	: 1.04 estimated
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:** Contact with incompatible materials.
- 10.5 Incompatible Materials:** Strong oxidizing agents.
- 10.6 Hazardous Decomposition Products:** Under normal conditions, hazardous products should not be produced.

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

**Acute Toxicity** : Not classified

<b>Ammonium Hydroxide (1336-21-6)</b>	
LD50 Oral Rat	350 mg/kg

<b>Diethylene Glycol Ethyl Ether (111-90-0)</b>	
LD50 Oral Rat	1920 mg/kg

<b>Formaldehyde (50-00-0)</b>	
LC50 Inhalation Vapor Rat – 4 hrs	0.48 mg/m <sup>3</sup>
LD50 Oral Rat	100 mg/kg

<b>Potassium Hydroxide (1310-58-3)</b>	
LD50 Oral Rat	273 mg/kg

**Skin Corrosion/Irritation:** No adverse effects due to skin contact are expected.

**Serious Eye Damage/Irritation:** Direct contact with eyes may cause temporary irritation.

**Germ Cell Mutagenicity:** No Data Available.

**Carcinogenicity:** May cause cancer.

<b>Formaldehyde (50-00-0)</b>	
IARC Group	1 – Carcinogenic to humans
Specifically Regulated Substances	Cancer
NTP Report	Known to be human carcinogen

**Reproductive Toxicity:** This product is not expected to cause reproductive or developmental effects.

**Specific Target Organ Toxicity (Single Exposure):** Not classified

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

**Aspiration Hazard:** Not an aspiration hazard.

**Chronic Symptoms:** May cause cancer. Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.

**SECTION 12: ECOLOGICAL INFORMATION**

- 12.1. Toxicity:** Harmful to aquatic life.

<b>Ammonium Hydroxide (1336-21-6)</b>	
Acute LC50 Fish ( <i>Gambusia affinis</i> ) – 96 hrs	15 mg/l

<b>Diethylene Glycol Ethyl Ether (111-90-0)</b>	
Acute LC50 Fish ( <i>Lepomis macrochirus</i> ) – 96 hrs	> 10000 mg/l

<b>Formaldehyde (50-00-0)</b>	
Acute EC50 Crustaceans ( <i>Daphnia pulex</i> ) – 48 hrs	4.3 – 7.8 mg/l
Acute LC50 Fish ( <i>Morone saxatilis</i> ) – 96 hrs	10.302 – 16.743 mg/l

<b>Potassium hydroxide (1310-58-3)</b>	
Acute LC50 Fish ( <i>Gambusia affinis</i> ) – 96 hrs	80 mg/l

<b>Sodium hydroxide (1310-73-2)</b>	
Acute EC50 Crustaceans ( <i>Ceriodaphnia dubia</i> ) – 48 hrs	34.59 – 47.13 mg/l
Acute LC50 Fish ( <i>Gambusia affinis</i> ) – 96 hrs	125 mg/l

<b>Tetrasodium Pyrophosphate (7722-88-5)</b>	
Acute LC50 Fish ( <i>Gambusia affinis</i> ) – 96 hrs	1380 mg/l

**12.2. Persistence and Degradability:** Readily biodegradable

**12.3. Bioaccumulative Potential:**

<b>Diethylene Glycol Ethyl Ether</b>	
Log P <sub>ow</sub>	-0.54

<b>Formaldehyde</b>	
Log P <sub>ow</sub>	0.35

**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**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

<b>Formaldehyde (50-00-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on CERCLA Hazardous Substance List	
SARA Section 302 – TPQ	100 lbs
SARA Section 304 – RQ	100 lbs
SARA Section 313 - Emission Reporting	0.1 %

<b>Ammonium Hydroxide (1336-21-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on CERCLA Hazardous Substance List	
SARA Section 313 - Emission Reporting	1 %

**15.2 US State Regulations**

<b>Formaldehyde (50-00-0)</b>
U.S. – New York - Right To Know List
U.S. – New Jersey - Right to Know Hazardous Substance List
U.S. – <b>California Prop 65:</b> This product contains a chemical known to the State of California to cause cancer (Formaldehyde 50-00-0).

**SECTION 16: OTHER INFORMATION**

**Revision Date:** May 26, 2017

**Other Information:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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