

**08811**

Safety Data Sheet

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

Revision Date: August 16, 2017

Supersedes: 07/20/2010

Version: 1.0

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY CONTACT INFORMATION****1.1. Product Identifier**

Product Code: 08811

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**

Aquatic Acute 3 H402

**2.2. Label Elements**

Signal Word: None

Hazard Statements: H402 - Harmful to aquatic life.

Hazard Pictograms: None

Precautionary Statements: P264 - Wash exposed areas thoroughly after handling.

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	%
Ammonium hydroxide	(CAS No) 1336-21-6	< 1
Diethylene Glycol Ethyl Ether	(CAS No) 111-90-0	< 0.1
Fomaldehyde	(CAS No) 50-00-0	< 0.1
Methanol	(CAS No) 67-56-1	< 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:** None known.

**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:** None expected.

**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>
Methanol	PEL	260 mg/m <sup>3</sup>
Sodium Hydroxide	PEL	2 mg/m <sup>3</sup>

**ACGIH and NIOSH Threshold Limit Values**

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		0.016 ppm
	Ceiling	0.3 ppm	0.1 ppm
Sodium Hydroxide	Ceiling	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
Methanol	TWA	200 ppm	260 mg/m <sup>3</sup>
	STEL	250 ppm	325 mg/m <sup>3</sup>

**United States WEEL Guides**

Component	Value	Limit
Diethylene Glycol Ethyl Ether	TWA	140 mg/m <sup>3</sup>

**ACGIH Biological Exposure Indices**

Component	Value	Limit
Methanol	TWA	15 mg/l

**8.2. Exposure Controls****Exposure Guidelines**

Component	Route	Applicable Regulation
Methanol	Skin	California OELs: Skin designation Minnesota Haz Subs: Skin designation applies Tennessee OELs: Skin designation ACGIH Threshold Limit Values: Skin designation NIOSH Guide to Chemical Hazards: Skin designation

**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	: No data available
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	: No data available
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	: 0.95 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

**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:** Not classifiable as to carcinogenicity to humans

<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):** Not classified

**Sensitization:** ACGIH - Formaldehyde (dermal, respiratory)

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

**Chronic Symptoms:** 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>Methanol (67-56-1)</b>	
Acute EC50 Crustaceans ( <i>Daphnia magna</i> ) – 48 hrs	> 10000 mg/l
Acute LC50 Fish ( <i>Pimephales promelas</i> ) – 96 hrs	> 100 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

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

12.3. **Bioaccumulative Potential:**

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

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

<b>Methanol</b>	
Log K <sub>ow</sub>	-0.77

12.4. **Mobility in Soil:** No additional information available

12.5. **Other Adverse Effects**

No other adverse environmental effects are expected from this component

## 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	500 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.

<b>Methanol (67-56-1)</b>
U.S. – <b>California Prop 65:</b> This product contains a chemical known to the State of California to cause cancer.

## SECTION 16: OTHER INFORMATION

**Revision Date:** August 16, 2017

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

**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.*

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