



742.

1100268 9706950  
1100269 820606  
1100270 820607  
9706949 820608  
820609  
9719664

# Material Safety Data Sheet

F

## 1. Chemical Product and Company Identification

<!--[if !supportEmptyParas]--> <!--[endif]-->  
DESCRIPTION: ELMER'S WASHABLE SCHOOL GLUE  
PRODUCT TYPE: PVAC BASED ADHESIVE.  
APPLICATION: FOR PRODUCT CODES SEE SECTION 16

<!--[if !supportLists]-->• <!--[endif]-->Manufacturer/Supplier Information

<!--[if !supportEmptyParas]--> <!--[endif]-->  
MSDS Prepared by:  
Elmer's Products, Inc.  
1 Easton Oval  
Columbus, OH 43219  
Emergency Phone Number  
Poison Control Center  
888-516-2502  
For additional health, safety or regulatory information, call 888-435-6377  
ext 14. Call 1-800-848-9400 to place an order or request additional MSDSs.

## 2. Composition, Information on Ingredients

<!--[if !supportEmptyParas]--> <!--[endif]-->  
No hazardous ingredients known to company.

## 3. Hazards Identification

<!--[if !supportEmptyParas]--> <!--[endif]-->

### 3.1 Emergency Overview

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Appearance Milky white liquid  
Odor Mild acetic aroma  
Not an immediate health hazard.

<!--[if !supportLists]-->• <!--[endif]-->HMIS Rating

<!--[if !supportEmptyParas]--> <!--[endif]-->  
HEALTH = 0 (minimal)  
FLAMMABILITY = 0 (minimal)  
REACTIVITY = 0 (minimal)

### 3.2 Potential Health Effects

<!--[if !supportEmptyParas]--> <!--[endif]-->

---

#### <!--[if !supportLists]-->• <!--[endif]-->Immediate Hazards

<!--[if !supportEmptyParas]--> <!--[endif]-->  
INGESTION: No hazards known to company.  
INHALATION: No hazards known to company.  
SKIN: No hazards known to company.  
EYES: No hazards known to company.

---

#### <!--[if !supportLists]-->• <!--[endif]-->Delayed Hazards

<!--[if !supportEmptyParas]--> <!--[endif]-->  
None of the components present in this product at concentrations equal to or greater than 0.1% have been listed by NTP, classified by IARC, nor regulated by OSHA as a carcinogen.

---

### 4. First Aid Measures

<!--[if !supportEmptyParas]--> <!--[endif]-->  
INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.  
EYES: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

---

### 5. Fire Fighting Measures

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Autoignition Temperature Not available  
Upper/Lower Flammable Limits Not applicable  
Up/Lower Explosive Limits, % by Vol Not applicable  
Flash Point Not applicable  
Will not burn unless water has evaporated. Dried material may burn.  
In case of fire, water should be used to keep fire-exposed containers cool.

---

### 6. Accidental Release Measures

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Soak up with absorbent material and remove to a chemical disposal area. Prevent entry into natural bodies of water.

---

### 7. Handling and Storage

<!--[if !supportEmptyParas]--> <!--[endif]-->



7.1 Handling

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Handle in accordance with good industrial hygiene and safety practices.

7.2 Storage

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Keep from freezing.  
Store in a cool, dry place.  
Keep containers tightly closed.

8. Exposure Controls/Personal Protection

<!--[if !supportEmptyParas]--> <!--[endif]-->

8.1 Exposure Controls

<!--[if !supportEmptyParas]--> <!--[endif]-->  
No special control measures necessary under normal conditions of use.

8.2 Personal Protection

<!--[if !supportEmptyParas]--> <!--[endif]-->  
No special protection necessary.

8.3 Exposure Guidelines

<!--[if !supportEmptyParas]--> <!--[endif]-->  
None established

9. Physical and Chemical Properties

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Percent Volatiles 70  
pH @ 25 C 4.7  
Specific Gravity 1.05  
Appearance Milky white liquid  
Autoignition Temperature Not available  
Boiling Point 100 deg C  
Vapor Density (Air=1) < 1  
Vapor Pressure, mm Hg @ 20 C 17  
Evaporation Rate (Butyl Acetate=1) < 1  
Upper/Lower Flammable Limits Not applicable  
Up/Lower Explosive Limits, % by Vol Not applicable  
Flash Point Not applicable  
Freezing Point 0 deg C  
Odor Mild acetic aroma  
Odor Threshold, ppm Not available  
Solubility in Water Dispersible

10. Stability and Reactivity

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Normally stable as defined in NFPA 704-12(4-3.1).

<!--[if !supportLists]-->• <!--[endif]-->Conditions to Avoid:

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Exposure to heat, flame and incompatibles.

<!--[if !supportLists]-->• <!--[endif]-->Incompatibilities:

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Strong acids and alkaline materials.

<!--[if !supportLists]-->• <!--[endif]-->Decomposition products may include:

<!--[if !supportEmptyParas]--> <!--[endif]-->  
CO, CO2.

<!--[if !supportLists]-->• <!--[endif]-->Hazardous polymerization:

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Will not occur.

<!--[if !supportLists]-->• <!--[endif]-->Other Hazards:

<!--[if !supportEmptyParas]--> <!--[endif]-->  
None known to company.

11. Toxicological Information

<!--[if !supportEmptyParas]--> <!--[endif]-->  
INGESTION: Not toxic orally when tested as described in 16 CFR Part 1500.3 (c)(1) and (2).  
INHALATION: Not toxic by inhalation when tested as described in 16 CFR Part 1500.3 (c)(1) and (2).  
SKIN  
ABSORPTION: Not toxic dermally when tested as described in 16 CFR Part 1500.3 (c)(1) and (2).  
SKIN: Not an irritant when tested as described in 16 CFR Part 1500.41.  
EYES: Not an irritant when tested as described in 16 CFR Part 1500.42.

12. Ecological Information

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Not determined.



### 13. Disposal Considerations

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Recover free liquid. Absorb residue and dispose of according to  
local, state/provincial, and federal requirements.

---

### 14. Transport Information

<!--[if !supportEmptyParas]--> <!--[endif]-->

---

#### 14.1 U.S. Department of Transportation (DOT)

<!--[if !supportEmptyParas]--> <!--[endif]-->  
The data provided in this section is for information only and may not  
be specific to your package size. You will need to apply the  
appropriate regulations to properly classify your shipment for  
transportation.  
Non-Regulated.

---

#### 14.2 Canadian Transportation of Dangerous Goods (TDG)

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Non-Regulated.

---

### 15. Regulatory Information (Selected Regulations)

<!--[if !supportEmptyParas]--> <!--[endif]-->

---

#### 15.1 U.S. Federal Regulations

<!--[if !supportEmptyParas]--> <!--[endif]-->

---

<!--[if !supportLists]-->• <!--[endif]-->OSHA Hazard Communication Standard 29CFR1910.1200

<!--[if !supportEmptyParas]--> <!--[endif]-->  
This material is not a "health hazard" or a "physical hazard" as  
determined when reviewed according to the requirements of the  
Occupational Safety and Health Administration 29 CFR Part 1910.1200  
"Hazard Communication" Standard.

---

<!--[if !supportLists]-->• <!--[endif]-->SARA Title III: Section 311/312

<!--[if !supportEmptyParas]--> <!--[endif]-->  
Does not meet any hazard category

---

<!--[if !supportLists]-->• <!--[endif]-->SARA Title III Section 313 and 40 CFR Part 372

<!--[if !supportEmptyParas]--> <!--[endif]-->  
This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.  
None required per SARA TITLE III SECTION 313.

---

<!--[if !supportLists]-->• <!--[endif]-->**TSCA Section 8(b) Inventory**

<!--[if !supportEmptyParas]--> <!--[endif]-->  
All reportable chemical substances are listed on the TSCA Inventory.  
We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.

---

## 15.2 Canadian Regulations

<!--[if !supportEmptyParas]--> <!--[endif]-->

---

<!--[if !supportLists]-->• <!--[endif]-->**Workplace Hazardous Materials Information System (WHMIS)**

<!--[if !supportEmptyParas]--> <!--[endif]-->  
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.  
Not a controlled product

---

<!--[if !supportLists]-->• <!--[endif]-->**Canadian Environmental Protection Act (CEPA)**

<!--[if !supportEmptyParas]--> <!--[endif]-->  
All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

---

<!--[if !supportLists]-->• <!--[endif]-->**National Pollutant Release Inventory (NPRI)**

<!--[if !supportEmptyParas]--> <!--[endif]-->  
This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory.  
None required.

---

## 16. Other Information

<!--[if !supportEmptyParas]--> <!--[endif]-->  
AP (Non-Toxic): Products bearing the AP (Non-Toxic) Product Seal of The Art & Creative Materials Institute, Inc. (ACMI) are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. This program is reviewed by ACMI's Toxicological Advisory Board. These products are certified by ACMI to be labeled in accordance with the chronic hazard labeling standard, ASTM D-4236 and Federal Law, P.L. 100-695. In addition, there is no physical hazard as defined within 29 CFR Part



E301\_D ELMER'S WASHABLE SCHOOL GLUE

1910.1200(c).  
MSDS covers items:  
U.S.: E301, E304, E308, E330, E340, E1500  
Canada: 60300, 60307, 60310, 60331, 60341

<!--[if !supportLists]-->• <!--[endif]-->User's Responsibility

<!--[if !supportEmptyParas]--> <!--[endif]-->  
The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

<!--[if !supportLists]-->• <!--[endif]-->Disclaimer

<!--[if !supportEmptyParas]--> <!--[endif]-->  
SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

<!--[if !supportEmptyParas]--> <!--[endif]-->  
CURRENT ISSUE: 12-MAY-06  
PREVIOUS ISSUE: 25-SEP-04

# ECHO INC

## MATERIAL SAFETY DATA SHEET

Copyright, 2009, Echo Inc. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing Echo Inc products is allowed, provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from Echo Inc, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Echo Inc glass tube thermometers

**MANUFACTURER:** Echo Inc

**ADDRESS:** 2755 Columbus Ave  
Springfield, OH 45503

**EMERGENCY PHONE:** 800-424-9300 -CHEMTREC

**ISSUE DATE:** 06/01/09

**SUPERCEDES:** 01/01/09

**PRODUCT USE:**

Intended Use: Glass tube thermometers

### SECTION 2: INGREDIENTS

Ingredients	C.A.S.No.	% by Wt.
Solvent 529-66	64742-47-8	97-99
Solvent Red 26	4477-79-6	1-1.5
Toulene	108-88-3	< .25
Isopropanol 99%	67-63-0	< .25

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Red Liquid

**Odor, Color, Grade:** no odor

**General Physical Form:** Liquid

**Immediate health, physical and environmental hazards:** none

#### 3.2 POTENTIAL HEALTH EFFECTS

**Eye contact:**

No health effects are expected

**Skin Contact:**

No health effects are expected

**Inhalation:**

No health effects are expected

**Ingestion:**

No health effects are expected

### SECTION 4: FIRST AID MEASURES

**First Aid procedures:**

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** Flush eyes with water.

**Skin Contact:** Wash affected area with soap and water.

**Inhalation:** No need for first aid anticipated

**If swallowed:** Make sure all glass is removed and rinse with water.



## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

Flash Point 150.0-165.0 Degrees Fahrenheit

### 5.2 EXTINGUISHING MEDIA

Regular foam or Carbon Dioxide or Dry Chemical

### 5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Not applicable

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Steps to be taken in case material is released or spilled: Absorb with paper towel (wash hands) Thermometer contains  $<1/10^{\text{th}}$  of 1 cc

## SECTION 7: HANDLING AND STORAGE

7.1 Handling  
Not applicable

7.2 Storage  
Not applicable

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Engineering Controls  
Not applicable

### 8.2 Personal Protective Equipment (PPE)

8.2.1 Eye/Face protection  
Not applicable

8.2.2 Skin Protection  
Not applicable

8.2.3 Respiratory Protection  
Under normal use conditions, airborne exposures  
Are not expected to be significant enough to  
Require respiratory protection.

8.2.4 Prevention of Swallowing  
Not applicable

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form:	Red Filling
General Physical Form:	Liquid
Autoignition Temperature:	Not Applicable
Flash Point:	150.0-165.0 degrees Fahrenheit
Boiling Point:	370.00-550.00 Deg. Fahrenheit
Density:	Not Applicable
Vapor Pressure:	$<1.00\text{mm Hg @ } 77.00 \text{ Deg. Fahrenheit}$
Specific Density:	Air=1 >5.00

#### SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Materials and Conditions to Avoid: Strong acids, Strong oxidizing agents

#### SECTION 11: ECOLOGICAL INFORMATION

Ecotoxicological Information  
Not determined

Chemical Fate Information  
Not determined

#### SECTION 12: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of waste product in a sanitary landfill.

#### SECTION 13: REGULATORY INFORMATION

311/312 Hazard Categories

Fire Hazard: No

Delayed Hazard: No

Immediate Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. ECHO INC MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the Echo Inc product is fit for a particular purpose and suitable for user's method of within the user's knowledge and control, it is essential that the user evaluate the Echo Inc product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

Echo Inc provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, Echo Inc makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from Echo Inc.