

# MSDS Material Safety Data Sheet

Ralph Wilson Plastics Company

MSDS Number: 17361  
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H2O Adhesive

Revision Date: 01/15/10  
Revision No: 1

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Common Name:** H2O Adhesive

**Manufacturer:** RALPH WILSON PLASTICS COMPANY  
P. O. BOX 6110 – 2400 WILSON PLACE  
TEMPLE, TX 76503  
INFORMATION PHONE: 800-433-3222 (USA)

**Trade Name:** H2O Adhesive or H2O Waterborne Contact Adhesive

**Material Uses:** Adhesive for laminate

**In Case of Emergency Contact CHEMTREC:** 800-424-9300 (USA)  
703-527-3887 (INTERNATIONAL)

## 2 HAZARDS IDENTIFICATION

**Route of Entry:** Skin, eyes, inhalation, ingestion.

**Target Organs:** None.

**Skin Contact:** May cause skin irritation.

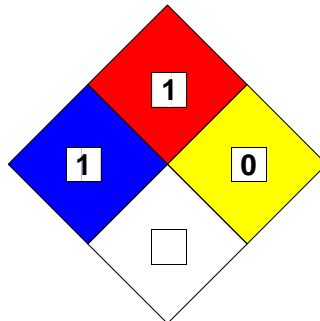
**Eye Contact:** May cause eye irritation.

**Inhalation:** Breathing vapors may cause irritation to the respiratory tract.

**Ingestion:** Not an expected route of entry. If ingested it may cause irritation to the gastro-intestinal tract.

HMIS (United States):	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPE	B

**NFPA (United States):**



**WHMIS (Canada):** Not classified as hazardous

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS#	% by Weight
Water	7732-18-5	40 – 50
Polychloroprene	9010-98-4	30 – 40
Resin Dispersion	Not Available	20 – 40
Zinc Oxide	1314-13-2	1 – 3
Resin Acid & Rosin Acid in Sodium and Potassium form	Not Available	< 5

## 4 FIRST AID MEASURES

**Skin Contact:** Remove contaminated clothing and wash affected areas with soap and water. If irritation develops, seek medical attention.

**Eye Contact:** Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush. Seek medical attention.

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**Inhalation:** Remove patient to fresh air. If patient is having difficulty breathing, seek immediate medical attention. If not breathing, clear airway and start mouth-to-mouth artificial respiration (or use bag-mask respirator). Seek immediate medical attention.

**Ingestion:** DO NOT induce vomiting. Seek immediate medical attention. DO NOT give anything by mouth to an unconscious person.

## 5 FIRE FIGHTING MEASURES

**Flash Point:** Not Applicable.

**Flash Point Method:** Not Applicable.

**Autoignition Temp.:** Not Applicable.

**Burning Rate:** Material is not flammable. Dry adhesive will burn.

**Flammability Classification:** Not Applicable.

**Firefighting Equipment:** Use self-contained breathing apparatus (SCBA) with a full-face piece and pressure demand or other positive-pressure mode and protective gear appropriate for surrounding materials. In case of fire, use water, dry chemical, CO<sub>2</sub>, or alcohol foam extinguishing media.

**Hazardous Products of Combustion:** Carbon Oxides (CO and CO<sub>2</sub>) and various Hydrocarbons.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate PPE. Make sure area is well ventilated. Spilled adhesive may be slippery.

**Environmental Precautions:** Keep out of sewers and drains.

**Clean-up Methods:** Dike and contain spill. Absorb spilled product with vermiculite, dry sand, or earth. Place in a suitable non-leaking container and tightly seal for disposal.

## 7 HANDLING AND STORAGE

**Handling Precautions:** Wear appropriate PPE. If used indoors, make sure to provide adequate ventilation to prevent vapor build-up. Avoid breathing of vapors.

**Storage Requirements:** Store in a cool, dry, well-ventilated area. Avoid freezing temperatures. Minimize contact with atmospheric air to prevent inoculation with microorganisms.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Use in a well ventilated area. Ensure that a working eyewash and safety shower are in the work area.

**Protective Equipment:** Wear safety glasses with side shields, and neoprene or rubber gloves.

**Exposure Guidelines / Other:**

Product Name	Exposure Limits
Zinc Oxide (1314-13-2)	OSHA PEL: TWA 5 mg/m <sup>3</sup> (fume) TWA 15 mg/m <sup>3</sup> (total dust)
	TWA 5 mg/m <sup>3</sup> (respirable dust)
	ACGIH TLV: TWA 2 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup>

Consult local authorities and local regulations for exposure limits.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White mobile liquid

**Physical State:** Liquid

**Autoignition Temp.:** Not Applicable

**Flash Point:** Not Applicable

**Molecular Weight:** Not Applicable

**pH:** 10 – 12

**Odor:** Slight Ammonia

**Boiling Point:** Similar to water

**Freezing / Melting Point:** Similar to water

**Percent Volatile:** Not Available

**Solubility:** Soluble in Water

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**Specific Gravity / Density:** 1.09 (~ 9.1 lb/gal)  
**Vapor Pressure:** Equivalent to water  
**VOC:** < 20 g/L

**Vapor Density:** Equivalent to water  
**Viscosity:** ~ 600 Cps

## 10 STABILITY AND REACTIVITY

**Stability:** Product is stable as supplied.  
**Conditions to Avoid:** Freezing and boiling temperatures.  
**Materials to Avoid (incompatibility):** Strong acids, strong bases, copper and copper alloys.  
**Hazardous Decomposition Products:** Carbon Oxides (CO and CO<sub>2</sub>) and various Hydrocarbons.  
**Hazardous Polymerization:** Will not polymerize.

## 11 TOXICOLOGICAL INFORMATION

**Toxicity to Animals:** This product has not been tested for animal effects. This product is not expected to be toxic to animals.  
**Toxicity to Humans:** This product has not been tested for human effects. This product is not expected to be toxic to humans.  
**Acute Toxicity to Humans:** No additional information.  
**Chronic Toxicity on Humans:** No additional information.  
**Carcinogenic Effects:** No additional information.  
**Mutagenic Effects:** No additional information.  
**Teratogenic Effects:** No additional information.  
**Developmental Toxicity:** No additional information.

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity:** Not Available.  
**BOD5 and COD:** Not Available.  
**Biodegradable / OECD:** Not Available.  
**Mobility:** Not Available.  
**Toxicity of the Products of Biodegradation:** Not Available.  
**Special Remarks on the Products of Biodegradation:** Not Available.

## 13 DISPOSAL CONSIDERATIONS

Absorb spilled product with vermiculite, dry sand, or earth and allow to solidify. Dispose of solid material in a suitable container.  
Dispose of in accordance with Federal, State, and local regulations.

## 14 TRANSPORT INFORMATION

**Restrictions:** None known.  
**DOT Requirements:** Not a DOT controlled material (United States).  
**DOT Classification:** Adhesive Resin Compound.  
**Markings:** None.  
**Packaging Requirements:** Keep from freezing.  
**ADR Requirements:** Not an ADR controlled material (Europe).  
**IMDG Requirements:** Not an IMDG controlled material.  
**IATA Requirements:** Not an IATA controlled material.  
**Marine Pollutant:** Not expected to be a marine pollutant.

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## 15 REGULATORY INFORMATION

### U.S. Federal Regulations

Chemical (& CAS Number)	SARA 302 (EHS)TPQ	SARA 304 (EHS)Rq	SARA 313 <i>de minimis</i>	CERCLA Rq	CAA 112(r) TQ	RCRA Code
None						

All quantities in pounds

### State Regulations

Chemical (& CAS Number)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK
Zinc Oxide (1314-13-2)		X	X	X	X	X

### International Regulations

**DSL (Canada):** The chemicals in this product are listed.

**EINECS:** The chemicals in this product are listed.

**WHMIS:** Not classified as hazardous.

## 16 OTHER INFORMATION

### References

Lewis, R. J., Rapid Guide to Hazardous Chemicals in the Workplace, 4<sup>th</sup> ed., Wiley-Interscience, New York, 2000.

NIOSH Pocket Guide to Chemical Hazards, Department of Health and Human Services, National Institute for Occupational Safety and Health, 2004.

Patty's Toxicology, 5<sup>th</sup> ed. John Wiley & Sons, Inc. 2001.

TLVs and BEIs, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Agents, ACGIH Worldwide, Cincinnati, 2007.

### Glossary

ACGIH – American Conference of Governmental Industrial Hygienists

ASTM – American Society for Testing and Materials

ADR – Agreement on Dangerous Goods by Road (Europe)

BOD5 – Biological Oxygen Demand in 5 days

CAA – Clean Air Act

CAS – Chemical Abstracts Services

CEPA – Canadian Environmental Protection Act

CERCLA – Comprehensive Environmental Response, Compensations, and Liability Act

CFR – Code of Federal Regulations

CL – Ceiling Exposure Limit

CWA – Clean Water Act

DOT – Department of Transportation

DSCL – Dangerous Substances Classification and Labeling (Europe)

DSL – Domestic Substance List (Canada)

EEC/EU – European Economic Community/European Union

EINECS – European Inventory of Existing Commercial Chemical Substances

HCS – Hazard Communication System

HMIS – Hazardous Material Information System

IARC – International Agency for Research on Cancer

LD50/LC50 – Lethal Dose/Concentration kill 50%

LDLo/LCLo – Lowest Published Lethal Dose/Concentration

NFPA – National Fire Prevention Association

NIOSH – National Institute for Occupational Safety & Health

NTP – National Toxicology Program

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OSHA – Occupational Safety & Health Administration  
PEL – Permissible Exposure Limit  
RCRA – Resource Conservation and Recovery Act  
SARA – Superfund Amendments and Reorganization Act  
STEL – Short Term Exposure Limit (15 minutes)  
TDG – Transportation of Dangerous Goods (Canada)  
TLV-TWA – Threshold Limit Value-Time Weighted Average  
TSCA – Toxic Substances Control Act  
WHMIS – Workplace Hazardous Material Information System

## **Notice to Reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

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END OF MSDS DOCUMENT