

MSDS CODE: SS1
Date Revised: 01/11/2006
Prepared By: Nick Paris

Reason for Revision: See Section 16

1. CHEMICAL, PRODUCT AND COMPANY IDENTIFICATION:

Product Code(s): **W1000, W-1000**
Product Name: W1000 Clear Cure & Sealer
Chemical Family: Aqueous, acrylic-polymer emulsion
Synonyms: Water-base acrylic-polymer sealer
C.A.S. Number: Mixture
Color Index Name: Not applicable
Color Index Number: Not applicable

Manufacturer's Name/Address:

Rockwood Pigments/Davis Colors, 7011 Muirkirk Road, Beltsville, Maryland, USA 20705
Business Tel: (301) 210-7800 9a-5p (0900-1700) EST M-F
Rockwood Pigments/Davis Colors, 3700 East Olympic Boulevard, Los Angeles, California, USA 90023
Business Tel: (323) 269-7311 9am-5pm (0900-1700) PST M-F

24 Hour Emergency (Chemtrec): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA Hazardous Ingredients (29CFR1910.1200):			Exposure Limits (8 Hrs.TWA)		Vapor Pressure (mm Hg)
Components:	C.A.S.	%	OSHA PEL	ACGIH TLV	
*2 Butoxyethanol	111-76-2	(4%)	50 ppm	25 ppm	0.6 20 C (68 F)
Ammonium Hydroxide	7664-41-7	(<0.2%)	50 ppm	25 ppm	8.5 (Atmospheric Pressure)

*Indicates toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

Non-Hazardous Ingredients:			Exposure Limits (8 Hrs.TWA)		Vapor Pressure (mm Hg)
Components:	C.A.S.	%	OSHA PEL	ACGIH TLV	
Water	7732-18-5	40%	Not established.	Not established.	17.0 20 C (68 F)
Acrylic Polymer Non-Hazardous Pigment Mixture		50%	Not established.	Not established.	17.0 20 C (68 F)
			<1%	Not established.	Not established.

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****

White liquid of milky consistency with mild ammonia-like odor. Will not burn or combust. Inhalation of vapor or mist can cause headache, nausea, and irritation of nose, throat, and lungs. Plastic Packaging material can burn or melt in fire, producing toxic smoke and fumes.

HMS Codes: H=2, F=0, R=0, P=0 (0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe)

The following information is based on the hazard profiles of other acrylic emulsions that are compositionally similar to this product. Typical data are:

Potential Health Effects:

Eyes: Mild irritant. Effects are temporary and reversible. May cause irritation, redness, blurred vision, and tearing.

Skin: Not absorbed into the skin. Will not irritate skin and is not likely to cause allergic skin reaction. If allowed to remain on the skin without being rinsed off with water, a thin plastic film may form. Injury or irritation of the skin can occur by direct mechanical action or by rigorous skin cleaning necessary for removal of dried liquid.

Ingestion: Harmful if swallowed. Ingestion may cause nausea, vomiting, diarrhea, and gastrointestinal irritation. Consult a physician.

Inhalation: Mild irritant. Effects are temporary and reversible. Vapor or mist can cause headache, nausea, and irritation of nose, throat, and lungs. Use in well-ventilated area and avoid breathing vapors.

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Human Effects and symptoms of overexposure:

Acute: Repeated skin contact may result in the development of an allergic skin reaction in a small number of individuals. This product is non-carcinogenic and not listed on NTP, IARC Monographs, and OSHA. Individual hazardous constituents listed in Section 2 of this MSDS can have a different acute and chronic effect depending on the health condition of a person.

Chronic: Prolonged inhalation of vapor or mist may cause brain, lung, and other organ damage.

Other Effects: No other chronic effects have been studied.

Medical Conditions Aggravated by Exposure: Information available on chemically similar products show that overexposure is unlikely to aggravate any medical condition.

Carcinogenicity: IARC: Not Listed NTP: Product is not a known carcinogen OSHA: Not regulated

Other: None known

4. FIRST AID MEASURES

Eyes: Flush eyes with water, lifting eyelids periodically. Remove contact lenses. Continue flushing for 15 minutes or until eyes return to normal. Get medical attention if irritation develops or persists.

Skin: Wash with soap and water. Get medical attention in the unlikely event that irritation develops or persists. Remove contaminated clothing immediately. Wash clothing before re-use.

Ingestion: Do not induce vomiting. Contact medical personnel or poison control center immediately. Activated charcoal may be administered. If conscious, give two glasses or more of water. Do not give anything by mouth to an unconscious person.

Inhalation: If exposed to excessive levels of fumes, move from work area to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Flammable Properties: Not Flammable. Non-combustible in as-sold form.

Flash Point: >100C (212F)

Upper Explosive Limit (UEL): Not Explosive

Lower Explosive Limit (LEL): Not Explosive

Auto-ignition Temperature: Exposure to heat greater than 100 C (212 F) can cause product to boil or splatter.

Extinguishing Media: This product is not combustible or flammable. Use extinguishing agents that are suitable for the surrounding fire: water spray, dry chemical, foam, or CO₂.

Fire fighting Instructions: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes and smoke inhalation.

Unusual Fire and Explosion Hazards: Exposure to heat builds up pressure in closed container. Cool with water spray. This product is non-combustible, but when dried, capable of burning or supporting combustion when in contact with open flame.

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Mop or wipe up material with absorbent towel, sand, or sawdust. Dispose in DOT approved waste container.

Large Spill: Contain spill with dike made of cement, sand, soil or other absorbent material. Vacuum or scoop material into an appropriately marked container for disposal. Spill area can be washed with water. Keep out of sewers, storm drains, surface waters, and soil.

7. HANDLING AND STORAGE

Storage: Store dry at ambient temperature away from food and beverages, excessive heat or flame sources (furnace, kilns, boilers etc.). Avoid freezing. Rotate stock to use older product first. Inspect container for leaks or cracks.

Handling: Avoid prolonged or repeated breathing of vapors. Avoid getting in eyes or on skin. Wash thoroughly after handling. Avoid contact with moisture. Re-seal container immediately after use. Shipping pallets are wrapped in polyethylene plastic. Removal may cause an electrostatic spark;

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therefore removal of the wrap should not be in the presence of flammable vapors.

Storage Temperature (Min/Max) : Ambient/50°C (122°F)
Shelf Life : Two years in closed container
Special Sensitivity : Heat
Other Precautions : Keep closed container away from heat. If empty container contains residue (vapors, liquids or solids), handle container subject to hazard precautions given in this MSDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation is necessary. General mechanical ventilation is usually sufficient to keep product vapor below threshold limit values. When used in poorly ventilated and confined spaces, supply fresh air or use self-contained breathing apparatus.

Eyes: Eye goggles or face shields are recommended to protect against splash, splatters or overspray.

Skin: Body-covering clothing. Rubber, plastic or other solvent-impervious gloves are recommended. gloves are recommended.

Respiratory Protection: Work ambient vapor concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved respirator with 700 ppm vapor prefilter should be worn. Types: CCROVF; GMOV; SAF or SCBAF.

Other: Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals. Remove contaminated clothing immediately. Wash clothing before re-use.

Work/Hygiene Practices: Employees should wash their hands and face before eating, drinking or using tobacco products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Colored Liquid
Odor : Sweet, ammonia-like
Physical State : Liquid
pH : 9 - 10
Vapor Pressure..... : 24 MM HG @ 25°C (77°F)
Vapor Density. (Air=1) : Lighter than air
Boiling Point..... : >100°C (212°F)
Freezing Point..... : 0°C (32°F)
Solubility in Water : Major portion is soluble
Specific Gravity (H₂O=1)..... : 1.0 - 1.3
Evaporation Rate..... : Slower than Ether
Volatile Organic Compounds (VOC)..... : 141 gr/l
Chemical Formula..... : Mixture

10. STABILITY AND REACTIVITY

Chemical Stability (Conditions to Avoid): Stable. Keep away from flames and heat. Exposure to excessive heat greater than 100°C (212°F) can cause product to boil or splatter. Avoid freezing.

Incompatibility (materials to avoid): Strong oxidizing agents. Materials that react with water. Avoid strong acids and alkalines.

Decomposition Temperature C° (F°): Does not decompose

Hazardous Decomposition Products: Produces Carbon Dioxide and/or Carbon Monoxide on combustion.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

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The following information is based on the toxicity profiles of other acrylic emulsions that are compositionally similar to this product. Typical data are:

Eyes: Not irritating to rabbit eyes
 Skin: Not irritating to rabbit skin Dermal, LD 50 not established for product
 Ingestion: Non irritating. The oral, LD50 for rats is greater than 5000 mg/Kg
 Inhalation: Non irritating. LC 50 not established for product
 Subchronic: Data not established for product
 Chronic/Carcinogenicity: Data not established for product
 Other (Mutagenic, Teratogenic, Reproductive Tests):

12. ECOLOGICAL INFORMATION

The following information is based on the toxicity profiles of other products that are compositionally similar to this product. Typical data are:

Ecotoxicological Information: Fish toxicity: Golden Orfe (*Leuciscus idus*) LCo greater than 1000 mg/l
 Chemical Fate Information: No appreciable bioconcentration is expected in the environment.

13. DISPOSAL CONSIDERATIONS

Material which cannot be re-used should be disposed in accordance with federal, state and local environmental control regulations at an authorized site. This product when discarded as sold is not a RCRA hazardous waste. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40CFR 261.20-24).

Container Disposal: Triple rinse with water, then dispose of in licensed landfill, if allowed by local regulation.

14. TRANSPORT INFORMATION

DOT Shipping Name..... : Not regulated
 Technical Shipping Name..... : Paints, Stains or Varnishes (Aqueous/Acrylic) NOI
 DOT Hazardous Classification : Not regulated
 DOT Hazard Class..... : Not regulated
 DOT Identification Number : Not regulated
 DOT Labels required : Not regulated
 DOT Placards required..... : Not regulated
 UN Class..... : Not available
 UN/NA Number..... : Not available
 Freight Class..... : 55
 Harmonized Tariff Number : 3209.10.00

15. REGULATORY INFORMATION

***** U.S. Federal Regulations *****

OSHA: This product is not considered Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA/SUPERFUND: (40 CFR 117,302) Reportable Quantity (RQ):
 Not Reportable, however, we recommend you contact local authorities to verify requirements for your site.

Superfund Amendments and Reauthorization Act (SARA), Title III:
 Section 302 (Extremely Hazardous Substances): None
 Section 311/312 (Hazard Categories): Delayed Health Hazard
 Section 313 (Reportable Toxic Ingredients):
 Chemical Name: C.A.S. Concentration
 None Reportable

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T.S.C.A.: This product class is listed on TSCA Inventory.

***** International Regulations *****

Canadian WHMIS: Not restricted/non-hazardous
Canadian Environmental Protection Act (CEPA): All components of this product are on the Domestic Substances List (DSL), and acceptable for use under the provisions of CEPA.
EINECS: All components of this product are on the European Inventory of Existing Commercial Chemical Substances (EINECS).

***** State Regulations *****

California Proposition 65 Warning: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

- CA = California Safe Drinking Water and Toxic Enforce Act (Proposition 65)
- MA = Massachusetts Hazardous Substance List
- NJ4 = New Jersey Other- included in 5 predominant ingredients >1%
- PA3 = Pennsylvania Non-hazardous present at 3% or greater

Chemical Name:	C.A.S.	Concentration	State Code
-None-			

Note: This information based on random sample analyses. Actual content may vary from batch to batch.

16. OTHER INFORMATION

Reason for revision: 1/11/2006 - Updated review date.

HMIS Codes: H=2, F=0, R=0, P=0 (0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe)

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