

## SIMALFA D270

### 1. Chemical Product and Company Information

Trade Name: ..... SIMALFA® D270  
Product Use: ..... Water based adhesive for bonding paper, cardboard, aluminum foil, PV, substrates PE treated, and substrates treated with simple varnishes.  
Composition: ..... Dispersion of acrylic resins in water.  
Company: ..... Alfa Adhesives, Inc. 15 Lincoln Street, Hawthorne, NJ 07506 USA  
Telephone: (973)423-9266 Fax: (973)423-9264

### 2. Composition / Information on Ingredients

| Chemical Name       | CAS#      | Amount | Exposure Limits |
|---------------------|-----------|--------|-----------------|
| Water               | 7732-18-5 | 55%    | None            |
| Proprietary Mixture | N/A       | 45%    | None            |
| HAP Content         |           | 0%     | None            |

### 3. Hazards Identification

Eye: ..... Possible irritant  
Skin: ..... Possible irritation, drying or cracking of skin due to drying effect.  
Ingestion: ..... Gastrointestinal effects such as vomiting and diarrhea are possible after ingesting.  
Inhalation: ..... Possible irritant  
Known Synergists: ..... None Known  
Explosion Hazard: ..... None Known  
Fire Hazard: ..... None Known  
Corrosion Hazard: ..... None Known

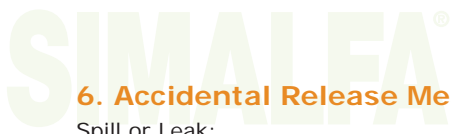
### 4. First Aid Measures

Eye Contact: ..... Rinse with water for 15 minutes with lids spread. For continued irritations, contact a physician.  
Skin Contact: ..... Wash with soap and water. Remove contaminated clothes.  
Ingestion: ..... If swallowed, dilute with water and consult a physician.  
Effects of Overexposure: ..... None known. For continued irritations, contact a physician.

### 5. Fire and Explosion Hazard Data

Flash Point: ..... None  
Ignition Point: ..... None known  
Extinguishing Media: ..... Water, carbon dioxide, or dry chemical  
Special Firefighting Procedures: ..... None known  
Unusual Fire & Explosion Hazards: . None known





### 6. Accidental Release Measures

Spill or Leak: ..... Pump large quantities into containers; use sand to soak up remainder or use absorbing material like diatomaceous earth according to regulations. For smaller quantities clean up with water.

Personal Protection: ..... Eye protection and gloves recommended.

### 7. Handling and Storage

Storage and Handling: ..... Minimum 40°F (5°C) and maximum 104°F (40°C). Store in a dry place. Keep tightly closed to prevent loss of moisture. DO NOT FREEZE

Shelf Life..... 12 months in unopened container.

### 8. Exposure Controls / Personal Protection

Respiratory: ..... Not generally required during normal use and handling. The need for respiratory protection should be evaluated if this material is sprayed in poorly ventilated areas.

Ventilation:..... General ventilation is recommended during normal use. Local ventilation may be required during certain operations.

Protective gloves: ..... Not required. Wash hands thoroughly.

Eye protection: ..... Wear face shield, safety glasses or approved goggles.

Other equipment: ..... Wear protective clothing. Eye wash station should be available.

### 9. Physical Properties

Physical Form: ..... Liquid

Color: ..... Natural (white), transparent when dry with dull surface

Odor:..... Slight

Solids Content: ..... ~45%

Particle Size: ..... ~0.1  $\mu$ m

pH Value 73°F (23°C) ..... 7.0-9.2

Viscosity: ..... ~1500 cP (Brookfield: spindle 4, 20rpm)

Boiling Point: ..... 212°F (100°C)

Freezing Point: ..... 32°F (0°C)

### 10. Stability and Reactivity

Conditions to Avoid: ..... Keep from freezing

Incompatibility ..... None known

Thermal Decomposition: ..... None

Corrosive Properties..... Not corrosive

Oxidizer Properties ..... Not an oxidizer

Other Reactivity Data..... None known





## 11. Toxicological Information

### Effects

Eye: ..... No published data available  
Skin: ..... No published data available  
Inhalation: ..... No published data available  
Ingestion: ..... No published data available

## 12. Ecological Information

General..... This material is not regulated by RCRA or CERCLA "Super fund"  
Toxicity Data ..... If Simalfa is applied properly no detrimental effect has become known.  
During long-lasting influence on skin and mucous membranes, irritations are possible.  
Ecology Data ..... Simalfa may not come in waters without having been pre-treated. Simalfa will be eliminated from the water since it is absorbed by the sewage sludge. If small concentrations are piped into biological sewage treatment plants no failure of the degradation process are to be expected.

## 13. Disposal Considerations

Disposal: ..... Care should be taken to ensure that material or its containers are disposed of in an approved facility in accordance with current federal, state and local regulations.

## 14. Transportation Information

DOT Shipping Name: ..... Not regulated by DOT  
UN Number..... None  
DOT Hazard Class..... None  
DOT Labels Required: ..... None

## 15. Regulatory Information

### US Federal Regulations

EPA TSCA Inventory..... All ingredients listed  
SARA Section 313: ..... Not applicable  
US DOT Regulations: ..... See Section 14  
This product is not hazardous according to the OSHA Hazard Communication Standard

### US State Regulations

State Right-to-Know Laws: ..... See Section 2

### Canadian Regulations

Domestic Substance List: ..... All ingredients listed  
WHMIS  
Transport of dangerous goods: ..... Not applicable  
Not a controlled product under Canadian WHMIS.

# SIMALFA®

## 16. Other Information

| Hazard Ratings | Health | Fire | Reactivity | Special |
|----------------|--------|------|------------|---------|
| HMIS           | 1      | 0    | 0          | NA      |

Workers using Simalfa D270 should read and understand this MSDS and be trained in the proper use of this material.

This information is accurate to the best of Alfa Adhesives, Inc.'s knowledge, or obtained from sources believed by Alfa Adhesives, Inc. to be accurate. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of this product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Alfa Adhesives, Inc. hereunder are given gratis and Alfa Adhesives, Inc. assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.

### MSDS Prepared by:

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