



SIMALFA 4574

1. Chemical Product and Company Information

Trade Name: SIMALFA 4574
Product Use: Water-borne Pressure Sensitive Adhesive (PSA)
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	32%	None
Proprietary Mixture	N/A	68%	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: >300 °F (unspecified)
Extinguishing Media: Water fog, foam, or dry extinguishing media
Unsuitable Extinguishing Media: Water
Hazards during Fire-Fighting: No particular hazards known.
Protective Equipment: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
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: Weare a NIOSH-certified (or equivalent) respirator as necessary. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Observe OSHA regulations for respirator use (29 CFR 1910.134)

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

Protective gloves: Chemical resistant protective gloves. 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), or custom

Odor:..... Slight

Solids Content: ~68%

Density: 1.0 - 1.05 g/cm³ at 68°F (20°C) DIN 51757

Particle Size: 0.1 - .10 um

pH Value 73°F (23°C) 3.5 - 6.5

Viscosity: ~ 300 - 1200 mPa.s

Boiling Point: 212°F (100°C)

Freezing Point: 32°F (0°C)

10. Stability and Reactivity

Conditions to Avoid: Extreme Heat + Keep from freezing

Substances to Avoid Metal salts

Hazardous Reactions: The product is chemically stable

Decomposition Products: Hazardous deoposition products: nitrogen oxides, hydrocarbons, carbon monoxide, carbon dioxide.





11. Toxicological Information

Acute toxicity

Oral:..... LD50/rat: > 2,000 mg/kg; Moderately toxic

Skin Irritation: Rabbit: Non irritating. (OECD Guideline 404)

Eye Irritation: Rabbit: Non irritating. (OECD Guideline 405)

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.

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16. Other Information

Hazard Ratings	Health	Fire	Reactivity	Special
HMIS	1	0	0	NA

Workers using Simalfa 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:

Alfa Adhesives, Inc.
15 Lincoln Street
Hawthorne, NJ 07506 USA
Tel: 973.423.9266
Fax: 973.423.9264

