

MSDS **Material Safety Data Sheet**

Wilsonart International



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Wilsonart® 3311 Adhesive

Revision Date: 09/07/10
Revision No: 0 (New)

1 PRODUCT AND COMPANY IDENTIFICATION

Common Name: Wilsonart® 3311 Adhesive

Manufacturer: WILSONART INTERNATIONAL, INC.
P. O. BOX 6110 – 2400 WILSON PLACE
TEMPLE, TX 76503
INFORMATION PHONE: 800-433-3222 (USA)

Trade Name: WA 3311 Adhesive

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. Preexisting skin conditions may be aggravated by exposure to this material

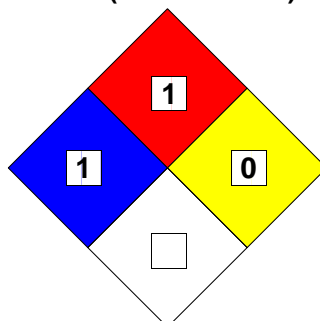
Eye Contact: May cause eye irritation.

Inhalation: Breathing vapors may cause irritation to the respiratory tract. Preexisting respiratory conditions may be aggravated by exposure to this material.

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): D2A



3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | CAS# | % by Weight |
|-------------------------|----------------|-------------|
| Vinyl Acetate Polymer | Not Applicable | 50 – 70 |
| Water | 7732-18-5 | 30 – 50 |
| Vinyl Acetate (Monomer) | 108-05-4 | < 0.40 |

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.

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.

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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.

Flammability Classification: Combustible Liquid Class IIIB. Dry adhesive will burn.

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, CO₂, or alcohol foam extinguishing media.

Hazardous Products of Combustion: Carbon Oxides (CO and CO₂), Acetic Acid, 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

Vinyl Acetate (108-05-4) ACGIH TLV: TWA 10 ppm STEL 15 ppm

Consult local authorities and local regulations for exposure limits.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White liquid.

Physical State: Liquid

Autoignition Temp.: Not Applicable

Composite Partial Pressure: Not Applicable

Freezing / Melting Point: Similar to water

Percent Volatile: Not Available

Solubility: Soluble in Water

Vapor Density: Equivalent to water

Viscosity: 100 – 500 cP

Odor: Mild sweet

Boiling Point: Similar to water

Flash Point: Not Applicable

Molecular Weight: Not Applicable

pH: 4.5 – 5.5

Specific Gravity / Density: 1.04 – 1.08

Vapor Pressure: Equivalent to water

VOC: < 20 g/L

10 STABILITY AND REACTIVITY

Stability: Product is stable as supplied.

Conditions to Avoid: Freezing and boiling temperatures.

Materials to Avoid (incompatibility): Strong acids, bases, oxidizers, and reducing agents. Copper and copper alloys.

Hazardous Decomposition Products: Carbon Oxides (CO and CO₂), Acetic Acid, and various Hydrocarbons.

Hazardous Polymerization: Will not polymerize.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity to Animals:

Vinyl Acetate (108-05-4):

Inhalation 4 hour LC50 > 3200 ppm (rat).

Inhalation 4 hour LC50 = 1500 ppm (mouse).

Oral LD50 = 2900 mg/kg (rat).

Oral LD50 = 1600 mg/kg (mouse).

Dermal LD50 = 2300 mg/kg (rabbit).

Vinyl Acetate Polymer (CAS Not Applicable):

Oral toxicity LD50 > 2000 mg/kg (rat).

Chronic Toxicity to Animals: A component of this product (Vinyl Acetate) has been shown to be toxic in laboratory animal studies causing kidney, liver, and respiratory system damage. Relevance to humans is uncertain.

Acute Toxicity to Humans: No additional information.

Chronic Toxicity on Humans: No additional information.

Carcinogenic Effects: This product contains trace amounts of Vinyl Acetate (108-05-4) as a monomer (VAM). ACGIH has classified VAM as a Class A3 animal carcinogen. IARC has classified VAM as a Class 2B carcinogen. Relevance to humans is uncertain.

Mutagenic Effects: No additional information.

Teratogenic Effects: No additional information.

Developmental Toxicity: No additional information.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Not Available. Not expected to be ecotoxic.

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.

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IATA Requirements: Not an IATA controlled material.
Marine Pollutant: Not expected to be a marine pollutant.

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 |
|--------------------------|-------------------|------------------|----------------------------|-----------|---------------|-----------|
| Vinyl Acetate (108-05-4) | 1000 | 5000 | 1 | 5000 | 15000 | |

All quantities in pounds

State Regulations

| Chemical (& CAS Number) | CA Prop 65 | MA RTK | MN RTK | NJ RTK | PA RTK | RI RTK |
|--------------------------|------------|--------|--------|--------|--------|--------|
| Vinyl Acetate (108-05-4) | | 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: D2A.

16 OTHER INFORMATION

References

- Lewis, R. J., *Rapid Guide to Hazardous Chemicals in the Workplace*, 4th 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*, 5th 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

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NFPA – National Fire Prevention Association
NIOSH – National Institute for Occupational Safety & Health
NTP – National Toxicology Program
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.

END OF MSDS DOCUMENT