

Emergency Medical Telephone Number: (901)794-8556

PRODUCT IDENTIFICATION

Specialty Adhesives Name: 4169

Product use: Adhesive

Generic description Synthetic resin-based product in water

Hazards Identification

Signal word: Warning

Emergency overview: Suspected of causing cancer. Contact with this material can cause irritation to the skin, eyes, and mucous membranes.

Potential health effects

Eyes: Direct eye contact with the product may cause irritation

Skin: Prolonged or repeated contact with liquid product may cause irritations and dermatitis.

Inhalation: Exposure to vapors in poorly ventilated areas may cause irritation of nose, throat and respiratory tract, nausea, vomiting, headache, dizziness, fatigue, and unconsciousness.

Ingestion: Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance. May cause nausea, vomiting. Do not ingest.

Fire & Explosion: This product will not ignite under normal situations but can be ignited in the extreme heat associated with a fire. In a fire situation, exposed containers may build up pressure and burst explosively spewing hot material. Irritating and potentially harmful vapors may be released in a fire or spill situation.

Composition / Information on Hazardous Ingredients

Component: Vinyl Acetate

CAS-Number: 108-05-4

Concentration: Less than 0.50% Meth

First aid procedures

Eye contact: If product contacts eye, flush with water for at least 15 minutes and seek medical attention immediately.

Skin contact: If product contacts skin, wash affected area with soap and water. Seek medical attention if irritation develops or persists. Launder contaminated clothing before reuse.

Inhalation: Move subject to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, get medical attention promptly.

Ingestion: If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to victim who is unconscious or is having convulsions.

Fire Fighting Measures

Hazardous combustion products: Incomplete combustion can yield carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Suitable extinguishing media: Dry chemical, CO₂, water spray or regular foam. Avoid using a direct stream of water.

Firefighting equipment/instructions: Firefighters should wear full protective clothing including self-contained breathing apparatus.

Dust explosion hazard: None Known

Sensitivity to static discharge: None Known

Unusual fire & explosion hazards: There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

Flash point: Nonflammable

Accidental Release Measures

Emergency action: Wear appropriate protective equipment and clothing during clean-up. Follow all Local, State, Federal and Provincial regulations for disposal.

Containment procedures: Isolate spill area. Stop discharge if safe to do so. Dike, if necessary, contain spill with inert absorbent. Collect and contain for salvage or disposal. Keep spilled product from contaminating soil or from entering sewers, watersheds, or water streams.

Reporting: See Federal reporting requirements listed in Section 15. We recommend you contact local authorities to determine if there may be other local reporting requirements.

Handling and Storage

For Commercial Use Only - Not Packaged or Labeled for Home Use!

Handling: Avoid contact with skin and eyes. Wash thoroughly after handling. Avoid breathing fumes if this product is used at high temperatures. Use this product with adequate ventilation.

Storage Empty container precaution: Protect from freezing – product stability may be affected. Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. In storage, monomer vapors will migrate from the emulsion and establish an equilibrium between the headspace in the storage container and the liquid emulsion. Levels more than acceptable exposures can accumulate in non-vented headspaces above the emulsion. All procedures appropriate for a confined space entry should be completed prior to performing any work in a bulk storage tank. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

Exposure Controls / Personal Protection

Exposure Limit(s): Exposure limits are listed below if they exist

Component Regulation Type of Listing Value Vinyl Acetate Monomer ACGIH TLV 15 ppm ACGIH TWA 10 ppm OSHA STEL 20 ppm

Engineering controls: Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.

Personal protective equipment

Eye protection: Wear safety glasses to reduce the potential for eye contact. Chemical safety goggles are appropriate if splashing is likely. Have eye washes available where eye contact can occur.

Skin and body Protection: Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

Respiratory Protection: Not normally required. When fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.

General: Eye wash fountain and emergency showers are recommended.

Physical & Chemical Properties

Flash Point	Not Applicable/ nonflammable
Upper Flammable Limit	Not Determined
Lower Flammable Limit	Not Determined
Autoignition Point	Not Determined
Explosion Data	Material does not have explosive properties
Vapor Pressure	NA
PH	4.0 – 6.0
Specific Gravity	1.02
Bulk Density	8.0 – 9.2 lbs/ gallon
Water Solubility	Miscible
Percent Solid	Approx. 60 - 70%
Percent Volatile	Approx. 35%
%Volatile Organic Compounds	Less than 0.75% by weight
Vapor Density	< 1 Air = 1
Evaporation Rate	< 1
Butyl Acetate	= 1
Odor	Slight
Appearance	White Liquid
Viscosity	Varies
Odor Threshold	Not Determined
Boiling Point	100°C, 212°F (Typical)
Pour Point Temperature	Not Determined
Melting / Freezing Point	~ 0°C, ~ 32°F

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

Chemical Stability & Reactivity Information

Hazardous reactions/decompositions products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous polymerization Conditions to avoid Stability: Will not occur. Not established Stable under normal conditions. This product may react with strong acids, bases, and oxidizing agents.

Toxicological Information

-ACUTE EXPOSURE-

Eye Irritation: May cause eye irritation.

Skin Irritation: Not expected to be a primary skin irritant. Repeated or prolonged skin contact may cause irritation or dermatitis. Pre-existing skin conditions may be aggravated by prolonged or repeated exposure.

Respiratory Irritation: Exposure to vapors in poorly ventilated areas may cause irritation of the nose, throat, and respiratory tract, nausea, vomiting, drowsiness, dizziness, unconsciousness.

Dermal Toxicity: Not established

Inhalation Toxicity: Exposure to vapors in poorly ventilated areas may cause irritation of the nose, throat, and respiratory tract, nausea, vomiting, drowsiness, dizziness, unconsciousness.

Oral Toxicity: Not established. Ingestion of this material may cause gastrointestinal irritations, nausea, vomiting.

-CHRONIC EXPOSURE-

Chronic Toxicity: No data available to indicate product is a chronic health hazard.

Carcinogenicity: Vinyl acetate has been shown to cause tumors in laboratory tests with animals and is categorized by the IARC as a group 2 carcinogen and may probably be carcinogenic to humans. Overexposure may increase cancer risk.

Mutagenicity: No data available to indicate product is mutagenic or genotoxic.

Reproductive Toxicity: No data available to indicate product is a toxic to reproduction

Teratogenicity: No data available to indicate product may cause birth defects.

Ecological Information

There is no data available for this product

Disposal Considerations

Environmental precautions: CAUTION: keep spills and cleaning runoff out of municipal sewers and open bodies of water. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state and federal regulations.

Waste disposal: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Transport Information

DOT: Not regulated as hazardous goods.

IATA: Not regulated as hazardous goods.

IMDG: Not regulated as hazardous goods.

Regulatory Information

Workplace Classification

OSHA: This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200)

WHMIS: This product is not a “controlled product” under the Canadian Workplace Hazardous Materials Information System (WHMIS)

SARA TITLE III: Section 311/312 Categorizations (40CFR370): This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA

SARA TITLE III: Section 313 Information (40CFR372): This product does contain a chemical which is listed in Section 313 at or above de minimis concentrations. Vinyl Acetate CAS# 108-05-4 less than 0.50%

CERCLA Information (40CFR302.4): Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304

US. Toxic Substances Control Act (TSCA):

State regulations: All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. California Prop 65: This product group/chemistry can expose you to a Prop 65 listed chemical known to the state of California to cause cancer that yields average daily doses/exposure at or above the “safe harbor” reporting thresholds outlined in the regulation. That chemical is Styrene (CAS# 100-42-5)

Restriction of Hazardous Substances (RoHS 1,2,3): The product(s) covered by this (M)SDS do not contain or are under the prescribed levels of prohibited substances listed under 2011/65/ and 2015/863 EU Hazardous Substances Restricted or Prohibited in Electrical Equipment, including lead (CAS # 7439-92-1), mercury (CAS # 7439-97-6), cadmium (CAS # 7440-43-9), hexavalent chromium (CAS # 7440-47-3), polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), and phthalates including DEHP, BBP, DBP, and DIBP.

International regulations: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.

REACH Substances of Very High Concern (SVHC): The product(s) covered by this (M)SDS does not include any of the substances above a concentration of 0.1% weight by weight (w/w) in the Candidate List of Substances of Very High Concern (SVHC) for authorization published or proposed by ECHA on the following dates:

- October 28, 2008 - June 18, 2014

- August 31, 2009 - December 17, 2014

- January 13, 2010 - June 16, 2015

- March 8, 2010 - December 16, 2015
- June 18, 2010 - June 20, 2016
- October 14, 2010 - January 12, 2017
- December 15, 2010 - July 7, 2017
- June 20, 2011 - January 15, 2018
- December 19, 2011 - June 27, 2018
- February 17, 2012 - January 15, 2019
- June 18, 2012 - July 16, 2019
- December 19, 2012 - January 16, 2020
- June 20, 2013

HMIS Ratings

Health: 1

Flammability: 1

Reactivity: 0

Personal protection: B

Other Information

Issue date 041420.1

Prepared by Larry Clark/ Vince Lauria/ Tim Myrick

All statements, information, and data presented herein are to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to determine the suitability and completeness of such information for their end use. We do not accept liability for any loss or damage that may occur from the use of this information.