



SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: PA-953

Product type: DUCT SEALANT

Restriction of use: None identified

Company Address: Precision Adhesives
131 Brown Street
Yatesville, PA 18640

Telephone numbers: 570-654-6735

Transport Emergency phone: Chemtrec 800-424-9300

Medical Emergency phone: Poison Control Center 1.877.671.4608

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	
Skin Sensitization	Category 1
Carcinogenicity	Category 2
GHS label elements	
Hazard Pictograms	
Hazard Statements	H317 May cause an allergic skin reaction H351 Suspected of causing cancer
Precautionary statements	Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust/fume/gas/ mist/ vapors/spray P272 Contaminated work clothing should not be allowed out of the work place P280 Wear protective gloves/protective/clothing/eye protection/face protection.
	Response:

	P302 + P352 If on skin: Wash with plenty of water.
	P308 + P313 If exposed or concerned: get medical advice/ attention.
	P333 + P364 Take off contaminated clothing and wash it before reuse.
	Storage:
	P405 Store locked up.
	Disposal:
	P501 Dispose of contents/

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	C.A.S. #	Classification	%
Vinyl Acetate Monomer	108-05-4	Fam. Liq. 2; H225 Acute Tox. 4; H332 Carc. 2; H351 STOT SE 3, H335	<0.2
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	26172-55-4	Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	<.0017

SECTION 4: FIRST-AID MEASURES

SIGNS AND SYMPTOMS OF EXPOSURE:

Eyes: mild irritation Skin: mild irritation Inhalation: none

FIRST AID & EMERGENCY PROCEDURES:

Eyes: Immediately flush with plenty of water for at least 15 minutes, lifting eyelids occasionally during flushing to facilitate irrigation. Seek medical attention.

Skin: wash skin with soap and water.

Ingestion: call poison control center - 1.877.671.4608

SECTION 5: FIRE FIGHTING MEASURES

Dried product may be slightly flammable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Soak up with absorbent material, remove to a chemical disposal area. Enclose with diking material to prevent seepage into any natural bodies of water. Absorb residue and dispose of all waste according to all local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

Do not use in poorly ventilated or confined spaces. Keep containers closed when not in use. Do not store in open, unlabeled or mislabeled containers. Avoid prolonged or repeated breathing of vapors. Avoid contact with eyes and prolonged or repeated contact with skin. Do not take internally.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

VINYLACETATE MONOMER	108-05-4	TWA	10 ppm 35 mg/m ³	CA AB OEL
		STEL	15 ppm 53 mg/m ³	CA AB OEL
		TWA	10 ppm	CA BC OEL
		STEL	15 ppm	CA BC OEL
		TWAEV	10 ppm 35 mg/m ³	CA QC OEL
		STEV	15 ppm 53 mg/m ³	CA QC OEL

Respiratory protection: Not required under normal conditions of use.

Protective Gloves: The use of gloves which are impermeable to the specific material handled is advised to prevent skin irritation.

Other Protective Clothing or Equipment: Safety glasses, chemical goggles and/or face shield are recommended to safeguard against potential eye contact, irritation or injury.

Special clothing is advised as good chemical handling practice. The availability of eye wash and safety showers in work areas is recommended.

Engineering measures: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F): 212	Vapor Density (Air=1): Less than 1
Specific Gravity (H2O=1): 1.43	Evaporation Rate (Butyl Acetate=1): 1
Vapor Pressure (mmHg): 17.54	Water Solubility: Completely
% Volatile by Volume: Not Established	Appearance and Odor: gray paste/Latex odor

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable HAZARDOUS POLYMERIZATION: May not occur

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS OR BYPRODUCTS: No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Skin contact, Eye Contact, Ingestion

Acute toxicity

Not classified based on available information.

Components:

VINYL ACETATE MONOMER:

Acute oral toxicity : LD50 (Rat): 3,500 mg/kg
 : LC50 (Rat): 15,810 mg/m3
 Exposure time: 4 h
 Acute inhalation toxicity Test atmosphere: vapour
 Acute dermal toxicity : LD50 (Rabbit, male): 7,440 mg/kg
 GLP: no

5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE:

Acute oral toxicity : Assessment: The component/mixture is classified as acute oral toxicity, category 3.
 Acute inhalation toxicity : Assessment: The component/mixture is classified as acute inhalation toxicity, category 3.

Acute dermal toxicity : Assessment: The component/mixture is classified as acute dermal toxicity, category 3.

Skin corrosion/irritation

Not classified based on available information.

Remarks: May cause skin irritation in susceptible persons.

Components:

VINYL ACETATE MONOMER: Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE: Result: Corrosive to skin

Serious eye damage/eye irritation

Not classified based on available information

Remarks: Unlikely to cause eye irritation or injury.

VINYL ACETATE MONOMER: Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE: Result: Corrosive

Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

Components:

VINYL ACETATE MONOMER: Test Type: Local lymph node assay

Species: Mouse

Method: OECD Test Guideline 429

Result: Did not cause sensitisation on laboratory animals.

GLP: yes

5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE: Assessment: May cause sensitisation by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Components:

VINYL ACETATE MONOMER:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
: Test species: Human lymphocytes
Method: OECD Test Guideline 473
Result: positive

- : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
- : Test Type: Ames test
Metabolic activation: Metabolic activation
Method: Mutagenicity (Escherichia coli - reverse mutation assay)
Result: negative
- : Test Type: Micronucleus test
Test species: human lymphoblastoid cells
Result: positive

Carcinogenicity

Suspected of causing cancer.

Components:

VINYL ACETATE MONOMER:

Carcinogenicity - : Limited evidence of a carcinogenic effect.

Reproductive toxicity

Not classified based on available information.

Components:

VINYL ACETATE MONOMER:

Effects on fertility	:	Test Type: Two-generation study Species: Rat Sex: male and female Application Route: Oral NOAEL: 100 mg/kg, F1: 100 mg/kg, F2: 100 mg/kg, Method: OECD Test Guideline 416 GLP: yes
Effects on foetal development	:	Species: Rat, females Application Route: Oral 477 mg/kg GLP: yes Species: Rat, females Application Route: Inhalation 205 mg/kg GLP: yes

STOT - single exposure

Not classified based on available information.

Components:

VINYL ACETATE MONOMER: Assessment: May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity**Components:**

VINYL ACETATE MONOMER	:	Species: Mouse, female NOAEL: 281 mg/kg Application Route: Oral Exposure time: 90-day Method: OECD Test Guideline 408 GLP: yes
	:	Species: Mouse, male NOAEL: 285 mg/kg Application Route: Oral Exposure time: 90-day Method: OECD Test Guideline 408 GLP: yes
	:	Species: Rat, female NOAEL: 810 mg/kg Application Route: Oral Exposure time: 90-day Method: OECD Test Guideline 408 GLP: yes
	:	Species: Rat, male NOAEL: 684 mg/kg Application Route: Oral Exposure time: 90-day Method: OECD Test Guideline 408 GLP: yes

Aspiration toxicity

Not classified based on available information.

Further information**Product:** Remarks: No data available**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Ecotoxicology Assessment

Acute aquatic toxicity	:	Not classified based on available information.
Chronic aquatic toxicity	:	Chronic aquatic toxicity Category 3; Harmful to aquatic life with long lasting effects.

Components:

VINYL ACETATE MONOMER:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 14 mg/l
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		Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 12.6 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae	:	ErC50 (Pseudokirchneriella subcapitata (microalgae)): 12.7 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 GLP: yes
Chronic toxicity to fish	:	NOEC (Pimephales promelas (fathead minnow)): 0.16 mg/l Exposure time: 34 d Test Type: flow-through test Method: OECD Test Guideline 210

5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 0.19 mg/l Exposure time: 96 h Test Type: flow-through test
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Persistence and degradability**Components:**

VINYL ACETATE MONOMER:

Biodegradability	:	Inoculum: activated sludge Result: Readily biodegradable. Biodegradation: 82 - 92 % Exposure time: 14 d Method: OECD Test Guideline 301C
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5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE:

Biodegradability	:	Biodegradation: 30 % Exposure time: 28 d Method: OECD Test Guideline 301B Remarks: Not readily biodegradable.
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Bioaccumulative potential**Components:**

VINYL ACETATE MONOMER:

VINYL ACETATE MONOMER:	:	Bioconcentration factor (BCF): 3.16
Bioaccumulation	:	Method: see user defined free text
Partition coefficient: n-octanol/water	:	Log Pow: 0.73

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of only in accordance with local, state, and federal rules and regulations.
The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

SECTION 14: TRANSPORT INFORMATION

D.O.T. Shipping Name: Adhesive,non-flammable

HMIS Rating: Health: 0

Flammability: 0

Reactivity: 0

D.O.T. Label: none

SECTION 15: REGULATORY INFORMATION

The components of this product are reported in the following inventories:

DSL	:	All components of this product are on the Canadian DSL
AICS	:	On the inventory, or in compliance with the inventory
ENCS	:	On the inventory, or in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECS	:	On the inventory, or in compliance with the inventory
TSCA	:	On the TSCA inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

HMIS (U.S.A.):

Health Hazard: 0

Fire Hazard: 0

Reactivity: 0

Personal Protection: none

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 0
Reactivity: 0
Specific hazard: none

SECTION 16: OTHER INFORMATION

Updated: 8/7/17

*****SPECIAL COMMENT REGARDING ALL MATERIALS MANUFACTURED*****

All information, recommendations and suggestions appearing herein concerning our products are based upon test data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Precision Adhesives as to the effects or such use, the results to be obtained, or the safety and toxicity of the product nor does Precision Adhesives assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System