



## SAFETY DATA SHEET

### HOT PVC PASTE

#### 1. PRODUCT & COMPANY IDENTIFICATION

**PRODUCT: HOT SPLICING PVC PASTE**

**CAS NUMBER: 9002-86-2**

**Recommended Use: A thermoset PVC cement for use with PVC conveyor belts.**

**Supplier:**

Chemical Vulcanising Systems Pty LTD

1107 Anvil Road

Robertville

South Africa

**Telephone:** +27 11 472 1016

**Email:** info@chemvulc.co.za

<b>New Zealand Distributor:</b>	<b>Australia Distributor:</b>	<b>South Africa Distributor:</b>
Chemvulc New Zealand Ltd 155c Manukau Road Pukekohe Auckland New Zealand	Chemvulc Industrial Australia (CIA) Unit 3 11 Precision Place Mulgrave New South Wales	Chemvulc Marketing Pty Ltd 1007 Katrol Street Robertville Roodepoort South Africa

**Other Global Distributors:**

**Please contact Manufacturer**

**Customer Service Toll Free Number:** 0508 CHEMVULC

**Emergency Telephone:**

**NZ 0800 CHEMCALL (0800 243 622)**

**AUSTRALIA:** 1-800 127 406; +61 131126 (poison control)

**SOUTH AFRICA:** +27 21 689 5227 (Poison Centre) 0800 172 743 (Spill Response)

**GLOBAL:** +64 3 3530199

**(24 HRS)(EMERGENCIES ONLY)**

**TRANSPORT EMERGENCY ONLY DIAL: 111**

**This SDS may not provide exhaustive guidance for all the HSNO controls assigned to this substance. The EPA website [www.epa.govt.nz](http://www.epa.govt.nz) should be consulted for a full list of triggered controls and cited regulations.**

#### 2. HAZARDOUS IDENTIFICATION

**HSNO New Zealand Approval Code:** HSR002544

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Reproductive toxicity (Category 1B), H360

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

Hazard statement(s)

H360 May damage fertility or the unborn child.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P281 Use personal protective equipment as required.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P391 Collect spillage.

P405 Store locked up

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Content
Plasticizer	117-81-7	30 - 40%
PVC	9002-86-2	60 - 70%

### 4. FIRST AID:

**Consult the National Poisons Information Centre listed in section 1 or a doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause injury. If breathing difficulties occur seek medical attention immediately.**

#### Eye Contact

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately.

#### Skin Contact

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing before reuse. Get medical attention.

#### Hazardous Skin Contact

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

#### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

#### Hazardous Inhalation

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth to mouth resuscitation. Seek medical attention.

#### Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get medical attention if symptoms appear.

#### Hazardous Ingestion

No additional information

#### Potential Acute Health Effects

**Eyes** Very hazardous case of eye contact (irritant). Inflammation of the eye is characterised by redness, watering and itching.

**Skin** Sensitisation of the product. Not available.

### 5. FIRE FIGHTING MEASURES:

Flammability of the Product: **Flammable.**

#### FIREFIGHTING MEASURES

Extinguishing media - Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture Carbon oxides

Advice for firefighters - Wear self-contained breathing apparatus for fire-fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES:

### Action to take for spills/leaks:

Personal precautions, protective equipment and emergency procedures  
Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE:

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

#### HANDLING:

Keep lock up. DO NOT ingest. Do not breathe gas, fumes, vapour or spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice and show the container or label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents.

#### STORAGE:

Store in a segregated and approved area. Keep container in a cool, well ventilated area. Keep Container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

This substance is subject to a requirement for an emergency management plan, secondary containment and signage, whenever it is held in quantities of 1000 litres or more, either alone or with other hazardous substances. See Hazardous substances (Emergency Management) Regulations 25-42.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

**These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.**

Reference	Ingredient	TWA	STEL
	PVC Resin and Plasticizer	5mg/m <sup>3</sup>	10mg/m <sup>3</sup>

### Personal Protective Equipment

Personal protective equipment

#### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

## 9. PHYSICAL & CHEMICAL PROPERTIES:

**APPEARANCE:** Liquid, Syrup like consistency, Clear in Colour

**ODOR:** Odourless

**pH:** N/A

**BOILING POINT:** 384 deg C

**FLASH POINT:** 207 deg C

**DENSITY:** 0.985 g/cm<sup>3</sup> at 25 deg C

**SOLUBILITY:** N/A

## 10. STABILITY & REACTIVITY:

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity

LD50 Oral - rat - 30,000 mg/kg

Inhalation: no data available

LD50 Dermal - rabbit - 25,000 mg/kg

no data available

Skin corrosion/irritation

Skin - rabbit

Result: Mild skin irritation - 24 h

Serious eye damage/eye irritation

Eyes - rabbit

Result: Mild eye irritation - 24 h

Respiratory or skin sensitization

Carcinogenicity

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 2B - Group 2B: Possibly carcinogenic to humans (bis(2-Ethylhexyl) phthalate)

NTP: Reasonably anticipated to be a human carcinogen (bis(2-Ethylhexyl) phthalate)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

Reproductive toxicity

May cause congenital malformation in the fetus.

Presumed human reproductive toxicant

May cause reproductive disorders.

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

RTECS: T10350000

Lung irritation, Gastrointestinal disturbance

## 12. ECOLOGICAL INFORMATION:

### ENVIRONMENTAL FATE:

#### ECOTOXICITY:

May be slightly toxic to aquatic life. No food chain concentration potential.

LD50 Fish: > 1000 ppm/96 hr.

EC50: 10 000 – 40 000 ppm (ASRI Test).

EC50: 1000 – 10 000 ppm *Pseudomonas putida*, growth inhibition.

EC50: 1000 – 10 000 ppm. Algal growth inhibition

#### Toxicity

Toxicity to fish LC50 - *Pimephales promelas* (fathead minnow) - > 0.67 mg/l - 96 h

LC50 - *Oncorhynchus mykiss* (rainbow trout) - > 0.32 mg/l - 96 h

LC50 - *Cyprinodon variegatus* (sheepshead minnow) - > 0.17 mg/l - 96 h

LC50 - *Lepomis macrochirus* (Bluegill) - > 0.20 mg/l - 96 h

NOEC - other fish - > 0.3 mg/l - 96 h

Toxicity to daphnia and

other aquatic

invertebrates

Immobilization EC50 - *Daphnia magna* (Water flea) - > 0.16 mg/l - 48 h

#### 12.2 Persistence and degradability

no data available

Biodegradability Result: - Readily biodegradable.

(OECD Test Guideline 301)

#### 12.3 Bioaccumulative potential

Bioaccumulation *Oncorhynchus mykiss* (rainbow trout) - 100 d

- 0.014 mg/l

Bioconcentration factor (BCF): 113

Mobility in soil

no data available

## 13. DISPOSAL CONSIDERATIONS:

### DISPOSAL METHOD:

Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

## 14. REGULATORY INFORMATION:

### DOMESTIC (LAND, D.O.T.)

**Proper Shipping Name:** PVC PASTE

**Hazard Class:** 9

**UN Number:** 3082

**Packing Group:** III

**Hazchem Code:** Not Dangerous

### AIR TRANSPORT IATA

**Proper Shipping Name:** PVC PASTE

**Hazard Class:** 9

**UN Number:** 3082

**Packing Group:** III

**Hazchem Code:** not Dangerous

**15. REGULATORY INFORMATION:**

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO).  
Approval Code: HSR002544.

<b>Key workplace requirements:</b>	
<b>MSDS</b>	To be available within 10 minutes in workplaces storing any quantity.
<b>Labelling</b>	No removal of labels and/or decanting of product into other containers can occur.
<b>Emergency Plan</b>	Required if >1000L is stored.
<b>Approved Handler</b>	Not required.
<b>Tracking</b>	Not required.
<b>Bunding &amp; secondary containment</b>	Required if >1000L is stored.
<b>Signage</b>	Required if >1000L is stored in any one location.
<b>Location Test Certificate</b>	Not required.
<b>Flammable Zone</b>	Not required.
<b>Fire Extinguisher</b>	Not required.

REACH No. : 01-2119484611-38-XXXX

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

bis(2-Ethylhexyl) phthalate CAS-No.  
117-81-7

Revision Date

2007-07-01

SARA 311/312 Hazards

Chronic Health Hazard

**16. OTHER INFORMATION:**

The use of this product may come under the Resource Management Act and regulations, the Health Safety and Employment Act and regulations, local council rules and regional council plans.

<b>Abbreviations</b>	
<b>Approval Code</b>	Approval Code: <b>HSR002544</b> PVC Resin Group Standard 2017, EPA <a href="http://www.epa.govt.nz">www.epa.govt.nz</a>
<b>CAS Number</b>	Unique Chemical Abstracts Service Registry Number
<b>Ceiling</b>	Ceiling limit: The maximum airborne concentration of a biological or chemical agent to which a worker may be exposed at the time
<b>Controls Matrix</b>	List of default controls linking regulation numbers to Marix code (e.g. T1,I16).
<b>EC<sub>50</sub></b>	Ecotoxic Concentration 50% - concentration in water, which is fatal to 50% of a test population (e.g. daphnia, fish species).
<b>ERMA</b>	Environmental Risk Management Authority (now EPA)
<b>EPA</b>	Environmental Protection Authority
<b>HAZCHEM Code</b>	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters
<b>HSNO</b>	Hazardous Substances and New Organisms (Act and Regulations)
<b>IARC</b>	International Agency for Research on Cancer
<b>LEL</b>	Lower Explosive Limit
<b>LD<sub>50</sub></b>	Lethal Dose 50% - dose which is fatal to 50% of a test population (usually rats)
<b>LC<sub>50</sub></b>	Lethal Concentration 50% - concentration in air which is fatal to 50% of a test population (usually rats).
<b>MBIE</b>	Ministry of Business, Innovation and Employment (New Zealand)
<b>MSDS/SDS</b>	Material Safety Data Sheet or Safety Data Sheet
<b>STEL</b>	Short Term Exposure Limit – The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA was not exceeded.
<b>TWA</b>	Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours).
<b>UEL</b>	Upper Explosive Limit
<b>UN Number</b>	United Nations Number
<b>WES</b>	Workplace Exposure Standard – The airborne concentration of a biological or chemical agent to which a worker may be exposed.

Full text of H-Statements referred to under sections 2 and 3.

H360 May damage fertility or the unborn child.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Repr. Reproductive toxicity

HMIS Rating

Health hazard: 0

Chronic Health Hazard: \*

Flammability: 1

Physical Hazard 0

NFPA Rating

Health hazard: 0

Fire Hazard: 1

Reactivity Hazard: 0

**NEXT REVIEW DATE: 01/04/2024**