

Safety Data Sheet

according to WHS & OHS Regulations

Print date: 29.10.2025

Revision date: 28.10.2025

1 Identification

Product Name: TYVcure UVM

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

Methacrylate based, UV-curable, one-component synthetic resin. The purpose of using the synthetic resin is the trenchless repair of sewer pipe systems. Its application requires trained personnel and controlled, professional or industrial conditions.

Details of Manufacturer or Importer:

Pipe Core Pty Ltd
Unit 5, 600 Lorimer Street
Port Melbourne, Victoria 3207

Phone Number: +61 1800 747 326

Emergency telephone number: National Poisons Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



GHS07

Eye damage/irritation – Category 2A H319 Causes serious eye irritation.

Skin sensitisation – Category 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Signal Word Warning

Hazard Statements

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362+P364 Take off contaminated clothing and wash it before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (see on this label).

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 27813-02-1	Hydroxypropyl methacrylate	<50%
	⚠ Eye damage/irritation – Category 2A, H319; Skin sensitisation – Category 1, H317	
CAS: 7534-94-3	Isobornyl methacrylate	<10%
	⚠ Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319; Specific target organ toxicity (single exposure) – Category 3, H335; Aquatic Chronic 3, H412	
CAS: 68958-77-0	Polyacrylate	<10%
	⚠ Acute toxicity - oral – Category 4, H302; Skin sensitisation – Category 1B, H317	
CAS: 162881-26-7	Bis(2,4,6-trimethylbenzoyl)phenylphosphine oxide	<5%
	⚠ Skin sensitisation – Category 1A, H317	
CAS: 55818-57-0	4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	<10.0%
	⚠ Aquatic Chronic 2, H411; ⚠ Skin sensitisation – Category 1, H317	

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, remove contaminated clothing and shoes. Wash with plenty of soap and water. Seek medical attention if irritation persists.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with plenty of water for at least 10 minutes. Remove contact lenses, if present and easy to do so. Seek medical attention if symptoms persist.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: No adverse health effects expected.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: Causes serious eye irritation.

Ingestion: No adverse health effects expected.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Use foam, carbon dioxide, dry chemical, water fog. Do not use high volume water jet.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and organic compounds.

This product is not flammable.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Safety boots, gloves, safety helmet and protective clothing should be worn. Do not breathe fumes.

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6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective equipment, full protective clothing including respiratory protection. Evacuate all non-essential personnel from affected area. Keep people away from and upwind of spill/leak. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering soil, groundwater or surface water, water and sewer system.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so. Avoid dispersal. Absorb spill with rag, dry sand, bentonite, (diatomaceous) earth or some other absorbent material. Do not use flammable materials, e.g. sawdust for soaking. Collect the spilled material and place into a suitable sealable container. Dispose of according to Federal, State and local governmental regulations.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Do not expose to temperatures exceeding 30 °C. Protect from direct sunlight.

8 Exposure Controls and Personal Protection

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Use suitable respiratory protective device (filter type A) when high concentrations are present.

Skin Protection:

Chemical protective gloves, Protective clothing and protective boots. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing should be worn (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Safety glasses with top and side shields and a face-shield. See Australian Standards AS/NZS 1336 and 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form: Viscous liquid
Colour: Yellowish

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Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	209-258 °C
Flash Point:	111-114 °C (closed cup)
Flammability	Not applicable
Auto-ignition Temperature:	385 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure at 20 °C:	0.075 hPa
Density at 25 °C:	1.1 ± 0.1 g/cm ³
Relative Density:	Not determined.
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Slightly soluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity at 25 °C:	3000 ± 400 mPas (dynamic)

10 Stability and Reactivity

Possibility of Hazardous Reactions:

In the presence of radical generators (e.g. peroxides), reducing chemicals or heavy metal ions, heatgenerating polymerization can be initiated.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: No further relevant information available.

Incompatible Materials:

Peroxides, amines, sulfur compounds, heavy metal ions, alkali compounds, reducing and oxidising agents. Free radical initiators. Inorganic acids.

Hazardous Decomposition Products: No hazardous decomposition products known.

11 Toxicological Information

Toxicity:

LD50/LC50 Values:		
CAS: 27813-02-1 Hydroxypropyl methacrylate		
Oral	LD50	11,200 mg/kg (Rattus norvegicus (rat))
	LD50	>3,000 mg/kg (Rattus norvegicus (rat))
CAS: 7534-94-3 Isobornyl methacrylate		
Oral	LD50	>2,000 mg/kg (Rattus norvegicus (rat))
CAS: 68958-77-0 Polyacrylate		
Oral	LD50	2,000 mg/kg (Rattus norvegicus (rat))
CAS: 162881-26-7 Bis(2,4,6-trimethylbenzoyl)phenylphosphine oxide		
Oral	LD50	>2,000 mg/kg (Rattus norvegicus (rat)) (OECD Test Guideline 401)
Dermal	LD50	>2,000 mg/kg (Rattus norvegicus (rat)) (OECD Test Guideline 402)

Acute Health Effects

Inhalation: No adverse health effects expected.

Skin: May cause an allergic skin reaction.

Eye: Causes serious eye irritation.

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Ingestion: No adverse health effects expected.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**Respiratory or Skin Sensitisation:** May cause an allergic skin reaction.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** Based on classification principles, the classification criteria are not met.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No data associated with long term health effects.**Existing Conditions Aggravated by Exposure:** No data available.

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Harmful to aquatic life with long lasting effects.

CAS: 27813-02-1 Hydroxypropyl methacrylate

LC50/48 h 493 mg/l (Leuciscus idus (orfe; ide))

CAS: 7534-94-3 Isobornyl methacrylate

EC50/48 h >2.57 mg/l (Daphnia magna (water flea))

EC50/72 h (static) 2.28 mg/l (Pseudokirchneriella subcapitata (algae))

LC50/96 h 1.79 mg/l (Danio rerio (zebra fish))

CAS: 162881-26-7 Bis(2,4,6-trimethylbenzoyl)phenylphosphine oxide

EC50/48 h >1.17 mg/l (Daphnia magna (water flea)) (OECD Test Guideline 202)

EC50/3 h >100 mg/l (Activated sludge) (OECD Test Guideline 209)

LC50/96 h >0.09 mg/l (Danio rerio (zebra fish)) (OECD Test Guideline 203)

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated**Proper Shipping Name** Not regulated

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Dangerous Goods Class Not regulated**Packing Group:** Not regulated

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:
Not a scheduled poison.

16 Other Information

Date of Preparation or Last Revision: 27.10.2025**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute toxicity - oral – Category 4: Acute toxicity – Category 4

Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2

Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

Skin sensitisation – Category 1: Skin sensitisation, Hazard Category 1

Skin sensitisation – Category 1A: Skin sensitisation, Hazard Category 1A

Skin sensitisation – Category 1B: Skin sensitisation, Hazard Category 1B

Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Disclaimer

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This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - June 2023".