



W5 MULTI BOND

MATERIAL SAFETY DATA SHEET

LAST REVISED: 14 SEPTEMBER 2026

SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Company:

Warrior Pte Ltd

Contact address:

17 Marsiling Industrial Estate Road 1 #01-11

Singapore 739279

Telephone: +65 6364 5100

E-mail address: war99@singnet.com.sg

COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

VAE compounded Polymer emulsion.

Chemical property

Aqueous solution is not flammable.

Hazardous ingredients name

Vinyl acetate - Hazard percentage weight (wt%) = <0.5%

Limited percent weight (wt%) = <0.1%

HAZARDS IDENTIFICATION

Product hazard classification

The product contains less than 0.5% Vinyl Acetate. By international Agency for Research on Cancer (IARC), IT IS CLASSIFIED AS Group 2B and maybe cause as suspected carcinogen.

Hazard prevention measures

Store the container in a cool and well-ventilated area and avoid to expose the substance to the atmosphere.

FIRST-AID MEASURES

After inhalation

Move to fresh air. If conscious, give several small portions of water to drink. Seek medical advice.

After contact with the skin

Wash with plenty of water or soap and water; immediately remove all contaminated clothing.

After contact with the eyes

Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.

After swallowing

If conscious, give several small portions of water to drink. Seek medical advice.

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Advice for the physician

Symptomatic treatment is advised.

FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical powder, carbon dioxide, foam and mist.

Extinguishing media which must not be used for safety reasons

Spout.

Fire and explosion hazards

None.

Special extinguishing procedure

No special procedure required.

Special protection for firefighters

Wear self contained breathing apparatus if necessary.

ACCIDENTAL RELEASE MEASURES

Personal precautions

Attention to the danger of skidding. Avoid contact with skin and eyes.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

- For small amounts: Absorb with an inert absorbent.
- For larger amounts: Use inert absorbent to prevent the spread of spilled material. Remove spilled material with pump and place in appropriate container. Clean up residue material by washing the spillage area with water.

HANDLING AND STORAGE

Handling

Use PPE. Avoid direct contact with skin and eyes. Spilled material will increase the danger of skidding.

Storage

Keep in tightly closed container and store in a cool, dry and well ventilated area. Store at 5 - 40°C.

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EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering controls

No data.

Control parameters

- 8 hours time weighted average exposure limits (TWA) - No data.
- Short-term exposure limits (STEL) - No data.
- Maximum exposure limits (Ceiling) - No data.
- Biological standard (BEI) - No data.

Further information for storage

Protect against moisture. Keep container tightly closed and store in a cool, well ventilated place.

Personal protective equipment

Respiratory protection

No specific protection.

Hand protection

Wear protective gloves.

Skin and body protection

Wear long sleeve coverall clothing.

Specific hygiene measures

Do not eat, drink or smoke at work.

Wash hands thoroughly after handling this material.

Physical/ Chemical properties

Appearance (Form/Colour):	Milky white emulsion	
Odour:	No data.	
Odour threshold:	No data.	
pH value:	4.5 - 6.5	
Boiling point/ range:	No data.	
Flammability (Solid/ Gas):	No data.	
Flash point:	No data.	
Decomposition temperature:	No data.	
Ignition temperature:	No data.	
Explosion limits:	Lower limit (LEL) - No data.	Upper limit (UEL) - No data.
Vapour pressure:	No data.	
Vapour density:	No data (air = 1)	
Density:	1.07 (g/cm ³)	
Water solubility:	Miscible	
Alcohol/ water factor (log Kow):	No data.	

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STABILITY AND REACTIVITY

Stability

Stable if stored and handled correctly.

TOXICOLOGICAL INFORMATION

Routes of exposure (inhalation, ingestion, skin and eye contact)

No data.

Symptoms

None.

Acute toxicity

None.

Chronic toxicity or long term toxicity

None.

ECOLOGICAL INFORMATION

Eco-toxicity

None.

Persistence and degradability

Ecological degradation is not easy.

Bio-accumulative potential

Does not accumulate in vivo.

Mobility in soil

No data.

Other adverse effects

No data.

DISPOSAL CONSIDERATIONS

Recommended method for safe and environmentally preferred disposal

Dispose according to regulations by incineration or sanitary landfill.

TRANSPORT INFORMATION

UN number

Not regulated.

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UN proper shipping name

Not regulated.

Transport hazard class

Land transport code GGVSE/ADR and ID.

Road transport ADR

Valuation: Not regulated for transport.

Railway transport RID

Valuation: Not regulated for transport.

Transport by sea GGVSee/IMDG-Code

Valuation: Not regulated for transport.

Air transport ICAO - TI/IATA-DGR

Valuation: Not regulated for transport.

Packaging type

Not regulated.

Marine pollution

No.

Specific precautionary transport measures and conditions

Not regulated.

REGULATORY INFORMATION**Details of international registration status****Listed on or in accordance with the following inventories:**

- IECSC - China
- TSCA - USA
- PICCS - Philippines
- ENCS - Japan
- ECL - Korea
- DSL - Canada
- AICS - Australia
- EINECS - Europe

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OTHER INFORMATION

- Any other intended applications should be discussed with the manufacturer.
- If you have any queries relating to this MSDS, its contents or any other product safety related questions, please write to the following e-mail address: war99@singnet.com.sg
- The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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