



R1 ROAD MARKING

MATERIAL SAFETY DATA SHEET

Revision date: 2023-3-1

HS CODE: 390521000

Substance/ Preparation and company identification

Warrior Pte Ltd

Contact address:

17 Marsiling Industrial Estate Road 1 #01-11

Singapore 739279

Telephone: +65 6364 5100

Facsimile: +65 6364 0629

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

INGREDIENTS	PERCENTAGE (%)	RISK PHRASES	SAFETY PHRASES	CAS NUMBER
Acrylic copolymer surfactant	45±1		N.A.	N.A.
Residual monomer	0.3 max		N.A.	N.A.

Composition/information on ingredients

Hazard identification

- Non - Flammable.
- Non - Toxic.

First-aid measures

General advice:

- Remove contaminated clothing.

If inhaled:

- Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

- Wash thoroughly with soap and water.

Fire-fighting measures

- Suitable extinguishing media: water spray, dry extinguishing media, foam, carbon dioxide
- Special Hazard: Aqueous dispersion of polymers will not burn. If the temperature exceeds the boiling point of the aqueous phase (c. 100°C) then splattering may occur.

Accidental release measures

Personal Precaution:

- Appropriate protective equipment must be worn when handling a spill of this material.



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Methods for cleaning up or taking up:

- For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.
- For large amounts: Pump off product.
- For residues: Rinse away with water.

Handling and storage

Handling:

- Use with adequate ventilation. Avoid breathing vapors in top of shipping container. Avoid contact with skin and clothing. Wash thoroughly after handling.

Storage:

- Keep container closed when not in use.

On contact with eyes:

- Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

- Do not induce vomiting, seek medical attention immediately.

Exposure controls and personal protection

- Occupational Exposure Limit (OEL): None established. Only applicable to trace components.
- Respiratory protection: None is required in well ventilated areas but if spraying applications are involved appropriate mechanical extraction should be employed.
- Skin Protection: Gloves of impervious type.
- Eye Protection: Safety Glasses.
- Other protective equipment: Eye wash, emergency shower.

Physical and chemical properties

- Physical form: Liquid
- Appearance: Milky
- Colour: Yellow, Traffic Red, White.
- Viscosity @ 25°C, cps: 2000 max (Brookfield, 3/60)
- pH: 8.0 - 9.5
- Boiling point / range: Approx. 100°C
- Solubility in Water: Dispersible
- Vapour Pressure: 17 mmHg (Water)
- Vapour Density: Approx. equal water (Air = 1)
- Specific Gravity @ 25°C 1.05min
- % Volatile (by Weight) 45±1
- Evaporation Rate: Approx. equal water (Butyl Acetate = 1)



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Stability and Reactivity

- Conditions to Avoid: None.
- Materials to Avoid: None.
- Instability: The materials is considered stable. Avoid temperature above 177°C, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.
- Hazardous Polymerization: Product will not undergo polymerization.
- Hazardous Decomposition products: Carbon Monoxide and/or Carbon Dioxide

Toxicological Information

- Acute Toxicological information: Information on analogous product shows minimal toxicity information.
- Other Toxicological information: Information on analogous product shows minimal toxicity information.
- Additional information: Not applicable.

Ecological Information

- Persistence and degradability: Polymer is non-biodegradable.
- Environmental Risk: Not toxic to fish plants.
- Additional information: Does not inhibit bacteria in waste treatment facilities.

Disposal Considerations

Incinerate or land fill in accordance with local regulations.

Transport Information

- **Domestic transport:** Not classified as a dangerous good under transport regulations).
- **Sea transport:** IMDG (Not classified as a dangerous good under transport regulations).
- **Air transport:** IATA/ICAO (Not classified as a dangerous good under transport regulations).

Regulatory Information

- All other national and local regulations, if applicable to the use, transport or disposal of this product, should be observed.

Other Information

- Any other intended applications should be discussed with the manufacturer.
- If you have any queries relating to this MSDS, it's 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.