



1. Identification of the substance/preparation and of the company/undertaking

Product name: VT-410 VitalCoat

Company: Vital Technical Sdn. Bhd.
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2. Composition/information on ingredients

Component	CAS No.	Wt%	Exposure Limits
Inorganic Filler	001317653	30 max	Not applicable
Aqueous Acrylic Polymer Dispersion	Proprietary	28 max	Not applicable
Hydroxyethylcellulose	9004620	1 max	Not applicable
Mineral Oil	Proprietary	0.5 max	NOHSC :TWA 5mg/m ³
Preservative	Proprietary	0.3 max	1999/45/EC: C; R34 R43 R50/53 ACGIH TWA: 10 mg/m ³
Diuron	330541	0.05	ACGIH TWA: 10 mg/m ³
Petroleum Distillate	108883	1 max	OHSA: TWA 200mg/m ³
Titanium Dioxide	013463677	7.5 max	OSHA: TWA 15mg/m ³ ACGIH: TWA 10mg/m ³
2-amino-2-methyl-1-propanol	124685	0.3 max	Not applicable
propylene glycol	57556	1.2 max	Not applicable
Water	7732185	25 max	Not applicable

Further information:

This sheet only contains safety relevant data. For specific data, see Technical Data Sheet.

3. Health Hazards identification

- Inhalation: Vapor or mist can irritate the nose, throat and lungs and cause headache, nausea, drowsiness, slurred speech, dizziness, stupor and unconsciousness.
- Skin contact: Irritating to skin upon repeated or prolonged contact.
- Eye contact: Slightly irritating to eyes.

4. First-aid measures

- Inhalation: Move subject to fresh air.
- After eye and skin contact: Flush eyes with a large amount of water for at least 15 minutes. See physician if irritation persists. Wash affected skin areas with soap and water.
- Ingestion: If swallowed dilute by giving 2 glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person.



5. Fire-fighting measures

- Special Fire Fighting Procedures: None
- Unusual Fire and Explosion Hazard: None

6. Accidental release measure

- Methods for cleaning up: Take up mechanically

7. Handling and storage

- Handling: Keep from freezing and direct sunlight.
- Protection against fire/explosion: General rules of fire prevention should be observed
- Storage: Keep container tightly closed and dry. Store in a sheltered area.

8. Exposure controls/personal protection

- Ventilation type: There should be plenty of natural air flow in the work area. In the event of a spill in an enclosed area, utilize a mechanical system to induce air flow.
- Respiratory protection: None required if there is good ventilation; otherwise wear a respirator (MSHA/NIOSH approved or equivalent: suitable for concentration and type of contaminants encountered).
- Hand protection: Normally not required.
- Eye protection: Normally not required, however clear safety glasses or goggles may be used. (ANSI 287.1 approved or equivalent).

9. Physical and chemical properties

- Form: Viscous liquid
- Color: available in white, grey or requested colors
- Odor: Slightly ammonia odor
- Solid content: 68% ± 1% by weighing
- Density (25°C): 1.36 ± 0.10
- Solubility in water (20°C): soluble
- pH Value (25°C): 8.5-9.0
- Viscosity (BF, DVII+ #4/20rpm) 25 000 – 30 000 cps
- Tensile strength (ASTM D2370:92) ~ 3 N/mm²
- Weathering test (ASTM G-53) Pass
- Water vapor transmission (ASTM E96) 0.07 g/m² per hour

10. Stability and reactivity

Under normal conditions the product is stable. However, temperature above 177°C, may cause the acrylic polymer to decompose. There are no hazardous decomposition by-products, not will hazardous polymerization occur. The product is incompatible with acids.



11. Toxicological information

- Skin: May cause sensitization due to alkalinity.
- Eyes: Possibility irritating

Note: Titanium dioxide when formulated as above, does not pose a dust hazard unless sanding or grinding of the dry coating takes place.

12. Ecological information

- Persistence and degradability: not biodegradable
- Other information: does not inhibit bacteria in waste treatment facilities.

13. Disposal considerations

Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose the emptied container unlawfully. Observed all federal, state and local laws.

14. Transport information

No dangerous goods under the transport regulations.

15. Regulatory information

- Labeling (EC): According to the Directive (1999/45/EEC) contains:
Hazard symbol: C = Corrosive
R-phrases 34 = Causes burns
43 = May causes sensitization by skin contact
24/25 = Avoid contact with skin and eyes
50/53 = Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Note: This product contains ingredients classified as hazardous. However, they are not present in sufficient quantities to warrant classifying the product as hazardous.

16. Other information

The details contained herein are based on our present state of knowledge and experience are characterize our product with regard to any possible safety requirement. We do, however, pass them on without any warranty or property assurances.

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