



Concrete Pharmacy® BOND — MSDS
Latex Polymer Bonding Additive
March 2007

SECTION I — GENERAL INFORMATION

1. CTS Cement Manufacturing Corporation | Rapid Set® Products
11065 Knott Avenue, Suite A
Cypress, CA 90630
2. Emergency Phone Number: (800) 929-3030
3. Website: www.ctscement.com
4. Trade Name and Synonyms: Bond
5. MSDS No.: 40785-00
6. Class: Additive

SECTION II — PRODUCT

7. WISH/HMIS Hazard Codes

- Health: 1 Slight
- Flammability: 1 Slight
- Reactivity: 0 Minimal

SECTION II — PHYSICAL DATA

8. Ingredients: CAS #

- Ethylene-Vinyl Acetate Copolymer 90% (maximum content) 24937-78-8
- Clay 10% (maximum content) Unknown
- Vinyl Acetate Monomer 0.2% (maximum content) 108-05-4

9. Boiling Range: N/A
10. Freezing Point: N/A
11. Vapor Pressure: N/A
12. Vapor Density: Nonvolatile
13. Specific Gravity: N/A
14. Evaporation Rate: Nonvolatile
15. % Volatile by Volume: < 2.0 by weight
16. Appearance and Odor: White powder with a sweet odor

SECTION III — FIRE AND EXPLOSION HAZARD DATA

17. Flash Point: (Method Used) N/A
18. LEL: N/A
19. Extinguishing Media: Water Spray, Carbon Dioxide or Foam
20. Special Fire-Fighting Procedures: Possible dust explosion if dispersed in large quantities
21. Unusual Fire and Explosion Hazards: Firefighters should wear self-contained breathing apparatus to avoid inhalation of smoke or vapors.

SECTION IV — HEALTH HAZARD DATA

22. Threshold Limit Values: The OSHA PEL for nuisance dust is 15 mg/m³

- The ACGIH TLV for nuisance dust is 10 mg/m³
- The ACGIH TLV and OSHA PEL for vinyl acetate are both set at 10 ppm for an 8-hour TWA and at 15 ppm for the STEL

23. Acute Overexposure Information

- Effects of Overexposure
- Eyes: May cause slight irritation or redness
- Skin: May cause irritation or rash
- Inhalation: Heated vapors may cause irritation of the respiratory tract

24. Primary route(s) of entry: Inhalation of dust or heated fumes

25. Toxicological Information: Vinyl acetate monomer (108-05-4) is listed by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). An inhalation study using laboratory animals exposed to high concentrations of vinyl acetate for 6 hours per day, 5 days per week over a two-year period resulted in the development of nasal tumors. Some of these tumors were shown to be carcinomas. However, at this time, there is not sufficient evidence to indicate that vinyl acetate may cause cancer in humans. There should be minimal risk when used with ventilation adequate to maintain atmospheric concentrations of vinyl acetate below the recommended exposure limit.

26. Vinyl Acetate Monomer:

LD50 (Oral/Rat) 2920 Mg/Kg; LD50 (DRML/Rabbit) 2335 Mg/Kg; LC50 (INHL/Rat) 4000 ppm/2h

SECTION V — EMERGENCY AND FIRST-AID PROCEDURES

- **Eyes** — Flush with water for 15 minutes. Call a physician.
- **Skin** — Wash with soap and water. If irritation persists, seek medical attention.
- **Inhalation** — Remove victim to fresh air.

SECTION VI — REACTIVITY DATA

30. Stability: [] Unstable [x] Stable

31. Hazardous Polymerization: [] May occur [x] Will not occur

32. Incompatibility: None known

33. Conditions to Avoid: Warm storage and ignition sources.

34. Hazardous Decomposition Products: Under severe thermal degradation toxic fume, carbon dioxide and carbon monoxide may form.

SECTION VI — SPILL OR LEAK PROCEDURES

35. Steps to be taken in case material is released or spilled: Sweep up and place in a closed container. Wear a dust mask if dust is created. This material contains the following ingredient which if spilled or released in quantities equal to or greater than the Reportable Quantity (RQ), are subject to the reporting requirements or CERCLA and/or SARA (40 CFR parts 302 and 355):

36. Vinyl Acetate Monomer RQ Value = 5000 lbs.

37. Waste Disposal Method: At this time, this material or its containers would not be considered hazardous wastes as defined under the federal RCRA regulations (40 CFR 261) if discarded. Care should be taken to ensure the material or its containers are disposed of in an approved facility in accordance with current federal, state, and local regulations.

38. For further information, contact your state or local solid waste agency or the United States Environmental Protection Agency's RCRA hotline (800-424-9346 or 202-382-3000).

SECTION VII — SPECIAL PROTECTION INFORMATION

39. Respiratory Protection: Should be worn to avoid breathing dust or heated fumes.

40. Ventilation: Local exhaust and general ventilation recommended.

41. Protective Gloves: Chemical-resistant plastic or rubber.

42. Eye Protection: Chemical goggles.

43. Other Protective Equipment: As required to prevent prolonged or repeated skin contact.