

**MATERIAL SAFETY DATA SHEET****TVM BULL SEAL****1. Product and Company Identification**

- 1.1. Identification of the substance or preparation:
- Not Applicable
- 1.2. Use of the substance of preparation:
- 1.3. Company/undertaking identification:
TVM BUILDING PRODUCTS
169 JARI DRIVE
JOHNSTOWN, PA 15904
1 (888) 699-1645
- 1.4. **24 hour emergency assistance: Infotrac: 1 (800) 535 – 5053**

2. Hazards Identification

- 2.1. Eye Contact:
- Direct contact may cause moderate irritation
- 2.2. Skin Contact:
- May cause moderate irritation
- 2.3. After Inhalation:
- Irritates respiratory passages very slightly

3. Composition/Information on Ingredients

Hazardous Ingredients	CAS No.	Concentration (%)
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	0.1 – 1.0
Vinyltrimethoxysilane	2768-02-7	1 – 20
Di-n-butyltin bis(2,4-pentanedionate)	22673-19-4	0.1 – 1.0

4. First Aid Measures

- 4.1. Eye Contact:
- Flush eyes immediately with plenty of water
- Seek medical attention
- 4.2. Skin Contact:
- Rinse immediately with plenty of water
- If irritation persists, seek medical attention
- 4.3. After Inhalation:
- Remove the victim into fresh air
- Seek medical attention
- 4.4. After Ingestion:
- Never give water to an unconscious person
- Do not induce vomiting
- Seek medical attention

5. Fire Fighting Measures

- 5.1. Suitable extinguishing media:
- Polyvalent foam
- Dry chemical powder
- Carbon dioxide
- 5.2. Special exposure hazards:
- Release of carbon monoxide and carbon dioxide
- 5.3. Special protective equipment for firefighters:
- Heat/fire exposure: Compressed air/oxygen apparatus

6. Accidental Release Measures

- 6.1. Personal protection/precautions:

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MSDS Established : 11/12/2007
Revision Date : 12/03/2010

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- See heading 8.1/8.2/10.3

6.2. Environmental precautions:
 - Use appropriate containment to avoid environmental contamination

6.3. Methods of cleaning up:
 - Remove the product by mechanical means
 - Take collected spill to competent authority
 - Wash clothing and equipment after handling

7. Handling and Storage

7.1. Handling:
 - Use standard industrial hygiene

7.2. Storage:
 - Keep container tightly closed

8. Exposure controls/Personal protection

8.1. Exposure limit values:
 N/A

8.2. Personal Protection:
 8.2.1. Respiratory protection:
 - Respiratory protection not required in normal conditions

8.2.2. Hand protection:
 - Gloves

8.2.3. Eye protection:
 - Safety glasses

8.2.4. Skin protection:
 - Protective clothing

9. Physical and Chemical Properties

9.1. General Information:
 Appearance (at 20°C) : Paste
 Odor : Low odor
 Color : White

9.2. Important Health, safety and environmental information:
 Relative density (at 20°C) : 1.7
 Water Solubility : Insoluble
 Soluble in : Organic Solvents

10. Stability and Reactivity

10.1. Conditions to avoid/reactivity:
 - Stable under normal conditions

10.2. Materials to avoid:
 - None

10.3. Hazardous decomposition products:
 - Release of carbon monoxide and carbon dioxide

11. Toxicological Information

11.1. Acute Toxicity:
 Bis(2,2,6,6-tetramethyl-4-piperidiny)sebacate:
 LD50 oral rat : 3700 mg/kg
 LD50 dermal rat : > 2000 mg/kg
 LD50 dermal rabbit : > 3100 mg/kg

 Trimethoxyvinylsilane:
 LD50 oral rat : 7120 mg/kg
 LD50 dermal rabbit : 3434 mg/kg
 LC50 inhalation rat : 16 mg/L/4h

11.2. Chronic Toxicity:

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N/A

- 11.3. Routes of Exposure: ingestion, inhalation, eyes and skin
- 11.4. Acute effects/symptoms
- Not known
- 11.5. Chronic Effects
- Not known

12. Ecological Information

- 12.1. Ecotoxicity:
- Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate:
- | | | |
|-------------|-------|-------------------------------|
| LC50 (96 h) | : 4.4 | mg/L (brachydanio rerio) |
| EC50 (24 h) | : 17 | mg/L (daphnia sp.) |
| EC50 (72 h) | : 1.9 | mg/L (scenedemus subspicatus) |
- Vinyltrimethoxysilane:
- | | | |
|-------------|--------------|--------------------------|
| LC50 (96 h) | : ≥ 100 | mg/L (brachydanio rerio) |
| EC50 (48 h) | : 168.7 | mg/L (daphia magna) |
- 12.2. Mobility:
Volatile Organic Compounds (VOC) : 2%
Insoluble in water

For other physicochemical properties, please see section 9

13. Disposal Considerations

Dispose of in accordance with federal, state, provincial and/or local regulations.

14. Transport Information

Not regulated for any form of international transport.

15. Regulatory Information

- 15.1. TSCA Inventory Status:
Chemical components listed on TSCA inventory except as exempted
- 15.2. NFPA Profile:
- Health 2, Flammability 1, Reactivity 0
- 15.3. SARA TITLE III Chemical Listings:
- Section 312 Hazard Class: Acute: Yes, Chronic: Yes, Fire: No, Pressure: No, Reactive: No
- Section 313 Toxic Chemicals: None present or none present in regulated quantities
- 15.4. WHMIS Classification:
- D2B
- 15.5. Domestic Substance List:
- Chemical Components listed on DSL except as exempted

16. Other Information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for each material used in combination with any other material or in any process, unless specified in the text.