



## MATERIAL SAFETY DATA SHEET

## 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
- 1.4. Telephone number for emergency:  
24 hr. 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

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- 6.1. Personal protection/precautions:  
 - 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-piperidinyl)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 |

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- 11.2. Chronic Toxicity:  
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) | : $\geq 100$ | mg/L (branchydanio rerio) |
| EC50 (48 h) | : 168.7      | mg/L (daphia magna)       |
- 12.2. Mobility:  
Volatile Organic Compounds (VOC) : 2%  
Insoluble in water

For other physiochemical 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.