



# TrowelEase 1165 Hardener (Part B) Safety Data Sheet (SDS)

## Section 1 - Product and Company Identification

**Trade Name:** TrowelEase 1165 Hardener (All Versions) **Product Code:** TrowelEase 1165-250 NEU Hardener

**Company:**

Wolverine Coatings Corporation  
5969 Highway 221  
Roebuck, SC 29376  
+1 (864) 587-3144

**Emergency Contact:**

ChemTel 24 Hr. US Emergency Number:  
+1 (800) 255-3924  
ChemTel 24 Hr. Worldwide Emergency Number:  
+1 (813) 248-0585

**Product Use:** Coatings

**Not recommended for:** None Identified

## Section 2 - Hazards Identification

**GHS Ratings:**

|                     |                 |  |
|---------------------|-----------------|--|
| Oral Toxicity       | Acute<br>Tox. 4 | Oral>300+<=2000mg/kg   |
| Inhalation Toxicity | Acute<br>Tox. 4 | Gases >2500+<=5000ppm, Vapors >10+<=20mg/l, Dusts & Mists>1+<=5mg/l  |
| Skin Corrosive      | 1B              | Destruction of dermal tissue: Exposure < 1 hour Observation < 14 days, visible necrosis in at least one animal   |
| Eye Corrosive       | 1               | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 |
| Skin Sensitizer     | 1               | Skin Sensitizer  |
| Reproductive Toxin  | 1B              | Presumed, Based on experimental animals  |

**GHS Hazards**

|      |  |
|------|--|
| H302 | Harmful if swallowed                     |
| H314 | Causes severe skin burns and eye damage  |
| H317 | May cause an allergic skin reaction      |
| H318 | Causes serious eye damage                |
| H332 | Harmful if inhaled                       |
| H360 | May damage fertility or the unborn child |

**GHS Precautions**

|      |   |
|------|---|
| P201 | Obtain special instructions before use                                    |
| P202 | Do not handle until all safety precautions have been read and understood  |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray                           |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray                          |
| P264 | Wash thoroughly after handling  |
| P270 | Do not eat, drink or smoke when using this product                        |
| P271 | Use only outdoors or in a well-ventilated area                            |
| P272 | Contaminated work clothing should not be allowed out of the workplace     |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P281 | Use personal protective equipment as required                             |
| P310 | Immediately call a POISON CENTER or doctor/physician                      |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell               |
| P321 | Specific treatment (see label)  |
| P330 | Rinse mouth   |
| P363 | Wash contaminated clothing before reuse                                   |

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P302+P352 IF ON SKIN: Wash with soap and water  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P308+P313 IF exposed or concerned: Get medical advice/attention  
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention  
P405 Store locked up  
P501 Dispose of contents/container in accordance with all local, regional, national, and international regulations.

**Signal Word:** Danger



### Section 3 - Composition / Information on Ingredients

| Chemical Name      | CAS number | Weight Concentration % |
|--------------------|------------|------------------------|
| Benzyl Alcohol     | 100-51-6   | 40.00% - 50.00%        |
| Isophorone Diamine | 2855-13-2  | 20.00% - 30.00%        |
| Trade Secret       |            | 20.00% - 30.00%        |
| 4-tert-Butylphenol | 98-54-4    | 5.00% - 10.00%         |
| Trade Secret       |            | 5.00% - 10.00%         |

### Section 4 - First Aid Measures

**Inhalation:** If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Eye Contact:** Immediately flush eyes for at least fifteen minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If eye irritation persists: Get medical advice/attention.

**Skin contact:** Immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Get immediate medical attention.

### Section 5 - Fire Fighting Measures

**Flash Point:** 109 C (228 F) LEL: 1.00 UEL: 13.00

**Extinguishing Media:** Use carbon dioxide, foam, dry chemical, dry sand, water fog, or limestone powder extinguishing systems.

**Unusual Fire and Explosion Hazards:** None

**Hazardous combustion products:** Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (Stability and Reactivity) for additional information.

**Special Fire Fighting Procedures:** Firefighters should be equipped with self-contained breathing apparatus.  
**Fire Equipment:** No Data

## Section 6 - Accidental Release Measures

**Spill And Leak Procedures:** Avoid all personal contact. Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Spills should be contained, solidified, and placed in suitable containers for disposal.

## Section 7 - Handling and Storage

**Handling Precautions:** Use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.

**Storage Requirements:** Keep away from heat, sparks, and open flames. Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use.

## Section 8 - Exposure Controls / Personal Protection

| Chemical Name / CAS #           | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---------------------------------|----------------------|-----------------------|-----------------------|
| Benzyl Alcohol<br>100-51-6      | Not Established      | Not Established       | Not Established       |
| Isophorone Diamine<br>2855-13-2 | Not Established      | Not Established       | Not Established       |
| Trade Secret                    | Not Established      | Not Established       | Not Established       |
| 4-tert-Butylphenol<br>98-54-4   | Not Established      | Not Established       | Not Established       |
| Trade Secret                    | Not Established      | Not Established       | Not Established       |

**Ventilation:** Good general mechanical ventilation and local exhaust is recommended.

**Hygiene:** Eye wash must be easily accessible. Wear protective clothing as necessary to prevent contact. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Gloves must be inspected regularly and prior to each use. Replace if necessary.

**Personal Protective Equipment:** Wear impervious protective gloves. Wear OSHA, NIOSH approved organic vapor respirator if ventilation is inadequate. Wear appropriate protective eyewear such as splash-proof, chemical resistant safety goggles.

**Contaminated Gear:** Take off all contaminated clothing immediately. Wash contaminated clothing before reuse.

## Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

|   |                                      |
|---|--------------------------------------|
| <b>Appearance:</b> Liquid               | <b>Odor:</b> Not available           |
| <b>Vapor Pressure:</b> 1.9 mm Hg        | <b>Odor threshold:</b> Not available |
| <b>Vapor Density:</b> Not available     | <b>pH:</b> Not available             |
| <b>Density (g/cm<sup>3</sup>):</b> 1.00 | <b>Melting point:</b> Not available  |

|  |   |
|--|---|
| <b>Freezing point:</b> Not available           | <b>Solubility:</b> Not available                              |
| <b>Boiling range:</b> Not available            | <b>Flash point:</b> 109°C, 228°F                              |
| <b>Evaporation rate:</b> Not available         | <b>Flammability:</b> Not available                            |
| <b>Explosive Limits:</b> Not available         | <b>Partition coefficient (n-octanol/water):</b> Not available |
| <b>Autoignition temperature:</b> Not available | <b>Decomposition temperature:</b> Not available               |
| <b>Viscosity:</b> Not available                | <b>Grams VOC less water:</b> Not available                    |

## Section 10 - Stability and Reactivity

### Stability:

STABLE

### Components of this mixture are incompatible with the following materials:

Strong Acids  
 Strong Oxidizers  
 Strong Bases  
 Acid chlorides  
 Acid anhydrides  
 Carbon disulfide  
 Nitrates

### This mixture is likely to exhibit the following combustion products:

Carbon Dioxide, Carbon Monoxide  
 Biphenyls  
 Nitrogen Oxides  
 Ammonia

Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

### Mixture Toxicity:

Oral Toxicity LD50: 1,305mg/kg  
 Dermal Toxicity LD50: 2,243mg/kg  
 Inhalation Toxicity LC50: 3mg/L

### Component Toxicity:

100-51-6 Benzyl Alcohol  
 Oral LD50: 1,620 mg/kg (Rat) Dermal LD50: 2,010 mg/kg (Rabbit) Inhalation LC50: 4 mg/L (Rat)

2855-13-2 Isophorone Diamine  
 Oral LD50: 1,030 mg/kg (rat) Dermal LD50: 2,000 mg/kg (rat) Inhalation LC50: 5 mg/L (rat)

98-54-4 4-tert-Butylphenol  
 Oral LD50: 2,000 mg/kg (rat)

### Routes of Entry:

Inhalation Skin Contact Eye Contact Ingestion

### Exposure to this material may affect the following organs:

No Data

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing):

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|--------------------------|
| None              |                    |                 | No Data                  |

## Section 12 - Ecological Information

### Component Ecotoxicity:

|                    |  |
|--------------------|--|
| Benzyl Alcohol     | LC50 460 mg/l fish 96 h; EC50 360 ppm water flea 48 h; EC50 640 mg/l algae 96 h; EC10 658 mg/l bacteria 16 h |
| Isophorone Diamine | LC50 110 mg/l fish 96h; ErC50 50 mg/l algae 72h; EC10 1120 mg/l bacteria 18h                                 |
| Trade Secret       | LC50 87.6 mg/l fish 96h; EC50 15.2 mg/l water flea 48h; EC50 32.1 algae 72h; EC50 >1000 mg/l Bacteria 30h    |
| 4-tert-Butylphenol | LC50 5.14 mg/l fish 96h; EC50 4.8 mg/l water flea 48h; IC50 11.2 mg/l algae 72h                              |
| Trade Secret       | LC50 934 mg/l fish 96h; EC50 331 mg/l water flea 48h; EC50 1000 mg/l algae 72h; EC50 43 mg/l bacteria 5.75h  |

### Section 13 - Disposal Considerations

**Waste disposal Methods:** Dispose in accordance with Federal, State and Local regulations.

### Section 14 - Transport Information

This material is classified for transport as follows:

| <u>Agency</u> | <u>Proper Shipping Name</u>       | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------------|------------------|----------------------|---------------------|
| DOT           | Paint Related Material, Corrosive | 3066             | III                  | 8                   |
| IATA          | No Data                           |                  |                      |                     |
| IMDG          | No Data                           |                  |                      |                     |

### Section 15 - Regulatory Information

**Additional regulatory listings, where applicable:**

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- None

**Materials not included on the Canada DSL inventory:**

- None

**Commonwealth of Massachusetts "Right to Know":** This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:

Trade Secret

Benzyl Alcohol 100-51-6

**NJ "Right to Know":** This product contains the following toxic or hazardous substances which appear on the New Jersey Substance List:

Trade Secret

4-tert-Butylphenol 98-54-4

Trade Secret

Benzyl Alcohol 100-51-6

**Pennsylvania "Right to Know":** This product contains the following toxic or hazardous substances which appear on the Pennsylvania Substance List:

Trade Secret

4-tert-Butylphenol 98-54-4

Trade Secret

Benzyl Alcohol 100-51-6

**EPA SARA Title III Section 313 ( 40 CFR 372) components above 'de minimum' level:**

- None

**Toxic Substances Control Act (TSCA):** All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:  
- None

**Country**

**Regulation**

**All Components Listed**

**EU Risk Phrases**

**Safety Phrase**

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:  
- None

EPA SARA Title III Section 313 ( 40 CFR 372) components above 'de minimum' level:

**Section 16 - Other Information**

For further information, please contact the Product Safety director. The information and recommendations contained herein are, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. No representations or warranties, either expressed or implied of merchantability, fitness for a particular purpose, or any other nature, are made hereunder with respect to the information contained herein, or to the chemical to which the user refers.

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