

# Material Safety Data Sheet

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## Section 1 General Information

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**Manufacturer:**

Rust-Oleum Corporation  
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Vernon Hills, IL 60061  
24 Hour Assistance: 1-847-367-7700  
[www.rustoleum.com](http://www.rustoleum.com)

Date: April 6, 2009

Product Name: Zinsser Shieldz Universal

Codes: 02500 02501 02504 02510 02511 02512 02514 02540 02555 02570 02580

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## Section 2 Hazardous Ingredients

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<u>Hazardous Component</u>	<u>CAS#</u>	<u>OSHA</u>		<u>ACGIH</u>
		<u>PEL</u>		<u>TLV</u>
Calcium carbonate	471-34-1	15 Mg/m <sup>3</sup> *	5 Mg/m <sup>3</sup> **	10 Mg/m <sup>3</sup>
Ethylene glycol	107-21-1		N/E	100 Mg/m <sup>3</sup> (C)
Limestone	1317-65-3	15 Mg/m <sup>3</sup> *	5 Mg/m <sup>3</sup> **	10 Mg/m <sup>3</sup>
Talc	14807-96-6		20 mppcf	2 Mg/m <sup>3</sup>
Titanium Dioxide	13463-67-7		15 Mg/m <sup>3</sup> *	10 Mg/m <sup>3</sup>
Zinc Oxide	1314-13-2	15 Mg/m <sup>3</sup> *	5 Mg/m <sup>3</sup> **	10 Mg/m <sup>3</sup>

\* Total Dust

\*\* Respirable Dust Fraction

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## Section 3 Hazard Identification

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**Emergency Overview:** This material is a stable, non-flammable, white flowable liquid with a flashpoint above 200° Fahrenheit. It is primarily used as a wallcovering primer.

**Primary Routes of Exposure:**

Eye Contact

**Potential Acute Health Effects:**

**Eye:** May cause eye irritation.

**Skin:** Absorption through skin contact not considered a significant route of exposure during intended use.

**Ingestion:** Ingestion is not considered a significant route of exposure during intended use.

**Inhalation:** May cause respiratory irritation in sensitive individuals.

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**Potential Chronic Health Effects:**

**Signs and Symptoms:** None known.

(See also Sections 4, 8, and 11 for related information)

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**Section 4 First Aid Measures**

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**Eye contact:** Flush eye with water for 15 minutes. Get medical attention.

**Skin contact:** Wash with soap and water. Get medical attention if symptoms occur.

**Ingestion:** If swallowed, call a physician or poison control center.

**Inhalation:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of vapor, remove victim to fresh air and seek medical attention if cough or other symptoms develop.

**Note to Physician:** This material is basically non-toxic. Ingestion of a small quantity (approximately one-tablespoon) is unlikely to cause harm.

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**Section 5 Fire Fighting Measures**

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The liquid material will not burn. However, the dried paint film may burn in a fire.

**Flash Point (method):** Not Determined (expected to be above 200° F based on ingredients).

**Flammable Limits in Air (by volume)** Lower (LEL): 1.1%  
Upper (UEL): 15.3%

**Extinguishing Media:** Use water spray, foam, or carbon dioxide when fighting fires involving this material.

**Protection of Firefighters:** As in any fire, wear self-contained breathing apparatus in pressure demand mode and full protective gear.

**Fire and Explosion Hazards:** The liquid material will not burn. However, the dried paint film may burn in a fire.

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## Section 6 Accidental Release Measures

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**Clean Up Methods:** Keep unnecessary people away. Dike and contain spill with inert material (sand, earth, etc.). Transfer liquid to containers for recovery or disposal, or absorb with absorbent materials and place into containers for disposal. Keep spill out of sewer and open bodies of water. Floors may be slippery; care should be exercised to avoid falls during clean up operations.

(See also Section 8 for information on Exposure Controls and Personal Protective Equipment)

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## Section 7 Handling and Storage

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**Handling:** Avoid contact with eyes, skin, and clothing.

**Storage:** Keep from freezing. Keep container closed when not in use.

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## Section 8 Exposure Controls / Personal Protection

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**Engineering Controls:** If exposure conditions warrant, use mechanical local exhaust ventilation or general dilution ventilation to reduce vapor concentrations.

### Personal Protective Equipment (PPE):

**Eye Protection:** Wear safety glasses, goggles or face shield to prevent eye and face contact.

**Skin Protection:** Wear gloves to prevent prolonged skin contact.

**Respiratory Protection:** None required under normal, intended use conditions. If vapor exposure causes discomfort and in areas of poor ventilation wear NIOSH approved respirator.

**Protective Clothing:** For brief contact, no special precautions other than clean body-covering clothing should be needed. When prolonged or frequent repeated contact with the material could occur, use protective clothing that is impervious to this material (such as tyvek).

**General Hygiene Practices:** Wash thoroughly after handling. Prevent Eye contact. Avoid prolonged skin or inhalation contact.

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## Section 9 Physical Data

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<b>Appearance:</b>	White flowable liquid.	<b>Odor:</b>	Slight ammonia like odor.
<b>Physical State:</b>	Liquid	<b>pH:</b>	8.5 – 9.0
<b>Boiling Point:</b>	N/D (est. >200 ° F)	<b>Freezing Point:</b>	N/D (est. 32 ° F)

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**Vapor Pressure:** Not determined.                      **Vapor Density:** Not determined.  
**Odor Threshold:** Not determined.                      **Viscosity:** 102 KU (@ 74° F)  
**Solubility in Water:** Dilutable.                      **Density:** 10.1 pounds/gallon

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## Section 10 Stability and Reactivity

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**Stability:** This material is stable. Not reactive.  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Decomposition Products:** None known.  
**Conditions to Avoid:** None known.  
**Incompatibility:** None known.

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## Section 11 Toxicological Information

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**Carcinogenicity:** This material is not considered a carcinogen by IARC or NTP and is not regulated as a carcinogen by OSHA.  
**Chronic Health Effects:** None known.  
(See also Section 15 for related information)

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## Section 12 Ecological Information

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**Chemical Fate and Effects:** No data available.

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## Section 13 Disposal Considerations

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**RCRA Hazardous Waste:** No

**Recommended Waste Disposal Method:** This material is not considered hazardous waste under federal hazardous waste regulations (40 CFR 261). However, state and local requirements for waste disposal may be more restrictive or otherwise differ from federal regulations. Chemical additions, processing or otherwise altering this material may render the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Consult all applicable federal, state, and local regulations regarding the proper disposal of this material.

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## Section 14 Transportation Information

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Regulated by the US Department of Transportation (DOT): Not Regulated

DOT Proper Shipping Name: Paint Products

UN / NA Number: N/A

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## Section 15 Regulatory Information

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### CERCLA:

The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Maximum Concentration (Wt. %)</u>
Ethylene Glycol	107-21-1	<3%

### SARA Title III, section 311/312:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Maximum Concentration (Wt. %)</u>
None	N/A	N/A

### SARA Title III, section 313:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Maximum Concentration (Wt. %)</u>
Ethylene Glycol	107-21-1	<3%
Zinc Compounds	N982	<2%

### TSCA:

The components of this mixture are listed in the Toxic Substance Control Act Inventory of Chemical Substances.

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This product does not contain any chemicals that require export notification under Section 12(b) of the TSCA regulation.

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## Section 16 Other Information

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**Legend:** N/A: Not Applicable  
N/E: Not Established  
STEL: Short Term Exposure Limit  
PPM: Parts Per Million  
PEL: Permissible Exposure Limit  
TWA: Time Weighted Average  
> Greater Than  
Mppcf: Million particles per cubic foot of air  
ACGIH: American Conference of Governmental Industrial Hygienists  
CERCLA: Comprehensive Environmental Response Compensation and Liability Act  
OSHA: Occupational Safety and Health Administration (US Dept. of Labor)  
RCRA: Resource Conservation and Recovery Act  
SARA: Superfund Amendment and Reauthorization Act  
TSCA: Toxic Substance Control Act

N/D: Not Determined  
N/R: Not Required  
C: Ceiling Limit  
PPB: Parts Per Billion  
TLV: Threshold Limit Value  
Mg/M<sup>3</sup>: Milligrams per cubic Meter  
< Less Than

Prepared By: Rust-Oleum Regulatory Compliance Dept.  
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**Disclaimer:** Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data and to comply with all applicable international, federal, state, and local laws and regulations.

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