

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** SHEETROCK® Brand TUFF-HIDE™ PRIMER - SURFACER

**Other Means of Identification:** Mixture

**Other Name:** Primer, Coating

**Recommended Use of the Chemical and Restriction on Use:** Primer, Coating (building industry)

**Details of Manufacturer or Importer:**

USG Boral Building Products Pty Limited (ACN 004 231 976)  
251 Salmon Street  
Port Melbourne VIC 3207

**Phone Number:** 03 9214 2138

**Emergency telephone number:** National Poison Information Centre: 13 11 26

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

**Signal Word** Warning

**Hazard Statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Precautionary Statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

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## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

### Chemical Characterization: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

### Hazardous Components:

107-21-1	1,2-ethanediol	 Acute Tox. 4, H302	<1%
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### Additional information:

The weight percent for silica represents total quartz and not the respirable fraction.  
Blend of minerals and vinyl acrylic latex - CAS number not supplied - >90%

## 4 . FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Seek medical attention if irritation persists.

### Skin Contact:

In case of skin contact wash affected areas with water and soap. Seek medical attention if irritation persists.

### Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

### Ingestion:

If swallowed, do not induce vomiting. Give large quantities of water, or if available several glasses of milk. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

### Symptoms Caused by Exposure:

**Inhalation:** Exposure to dust generated during the handling, spray application or use of the product may cause temporary irritation to nose, throat, and upper respiratory tract. Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation. Labored breathing may occur after excessive inhalation. Exposure to high vapor levels of ethylene glycol may cause slight headache, dizziness, nausea, drowsiness, and/or stupor.

**Eye Contact:** Dust can cause temporary mechanical irritation of eyes, burning, redness, itching and pain. Acrylic polymer vapors may cause slight temporary eye irritation. Ethylene glycol vapors may cause slight temporary eye irritation.

## 5 . FIRE FIGHTING MEASURES

### Suitable Extinguishing Media:

Water spray or some other extinguishing media appropriate for surrounding fire.

### Specific Hazards Arising from the Chemical:

Thermal decomposition may produce acrylic monomers, carbon dioxide and carbon monoxide.

### Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6 . ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures:

Wear appropriate personal protective equipment. Evacuate all non-essential personnel from affected area. Do not breathe dust/vapours. Ensure adequate ventilation.

### Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

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## Methods and Materials for Containment and Cleaning Up:

Collect the spilled material and place into containers for salvage or disposal. Minimize dust/mist/vapour generation and accumulation. Ensure adequate ventilation.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Minimize dust/mist/vapour generation and accumulation.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

### Conditions for Safe Storage:

Store in a cool, dry, ventilated area. Keep in original container tightly closed when not in use. Store at temperatures 15-35 °C. Do not use if material has spoiled, i.e., there is a moldy appearance or an unpleasant odor.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards:

#### 107-21-1 1,2-ethanediol

NES	STEL: 104** mg/m <sup>3</sup> , 40** ppm TWA: 10* 52** mg/m <sup>3</sup> , 20** ppm Sk;*particulate;**vapour
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#### Quartz glass (inert)

NES	0.1 mg/m <sup>3</sup> respirable dust
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#### 14807-96-6 Talc (Mg3H2(SiO3)4)

NES	TWA: 10 mg/m <sup>3</sup>
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### Engineering Controls:

Provide ventilation sufficient to control airborne dust/mist/vapour levels. If user operations generate airborne dust/mist/vapour, use ventilation to keep dust concentrations below permissible exposure limits. Where general ventilation is inadequate, use process enclosures, local exhaust ventilation, or other engineering controls to control dust levels below permissible exposure limits.

### Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information. Use approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

### Skin Protection:

Leather/pigskin, neoprene or nitrile gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of

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the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

## Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

<b>Form:</b>	Liquid
<b>Colour:</b>	White
<b>Odour:</b>	Slight acrylic odor
<b>Odour Threshold:</b>	Not determined.
<b>pH-Value at 25 °C:</b>	~8-9
<b>Melting point/Melting range:</b>	0 °C
<b>Initial Boiling Point/Boiling Range:</b>	100 °C
<b>Flash Point:</b>	Not determined
<b>Flammability:</b>	Non flammable
<b>Auto-ignition Temperature:</b>	Not determined
<b>Decomposition Temperature:</b>	Not determined.
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour Pressure at 25 °C:</b>	~24 mm Hg
<b>Density:</b>	Not determined.
<b>Relative Density at 20 °C:</b>	1.4-1.6
<b>Vapour Density at 20 °C:</b>	<1 g/cm <sup>3</sup>
<b>Evaporation Rate:</b>	Not determined
<b>Solubility in Water:</b>	Unlimited dispersibility
<b>Viscosity:</b>	Not determined
<b>% Volatiles by Weight:</b>	38-42
<b>VOC:</b>	<50 g/L

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

### Conditions to Avoid:

High temperatures cause decomposition. DNPH, commonly used to determine formaldehyde concentrations, will react with this product resulting in formaldehyde formation. Thus formaldehyde may be reported as higher than actual and in error.

### Incompatible Materials:

Crystalline silica in contact with powerful oxidizing agents, such as fluorine, chlorine trifluoride and oxygen difluoride, may cause fires. Crystalline silica will dissolve in hydrofluoric acid and produce a corrosive gas – silicon tetrafluoride.

### Hazardous Decomposition Products:

Thermal decomposition may produce acrylic monomers, carbon dioxide and carbon monoxide.

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## 11 . TOXICOLOGICAL INFORMATION

### Toxicity:

#### LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:

#### 107-21-1 1,2-ethanediol

Oral	LD <sub>50</sub>	5840 mg/kg (rat)
Dermal	LD <sub>50</sub>	9530 mg/kg (rabbit)

### Acute Health Effects

#### Inhalation:

Exposure to dust generated during the handling, spray application or use of the product may cause temporary irritation to nose, throat, and upper respiratory tract. Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation. Labored breathing may occur after excessive inhalation. Exposure to high vapor levels of ethylene glycol may cause slight headache, dizziness, nausea, drowsiness, and/or stupor.

**Skin:** May cause skin irritation.

#### Eye:

Dust can cause temporary mechanical irritation of eyes, burning, redness, itching and pain. Acrylic polymer vapors may cause slight temporary eye irritation. Ethylene glycol vapors may cause slight temporary eye irritation.

**Ingestion:** May be harmful if ingested.

**Skin Corrosion / Irritation:** Causes skin irritation.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

### Carcinogenicity:

Silica dust, crystalline, in the form of quartz or cristobalite and formaldehyde are classified by IARC as a Group 1 - Carcinogenic to humans

A component of this product is a proprietary acrylic polymer. The acrylic polymer is not classified as a carcinogen by IARC, NTP or ACGIH. However, trace amounts acetaldehyde and formaldehyde may be associated with the the emulsion polymer.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.

### Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

### Chronic Health Effects:

Exposures to respirable crystalline silica are not expected during the normal use of this product; however, actual levels must be determined by workplace hygiene testing. The weight percent of respirable crystalline silica may not have been measured in this product.

Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer. The development of silicosis may increase the risks of additional health effects. Smoking in combination with silica exposures increases the risk of cancer. The risk of developing silicosis is dependent upon the exposure intensity and duration.

Prolonged and repeated breathing of respirable talc dust may cause lung disease (pneumoconiosis). The extent and severity of lung injury correlates with the length of exposure and dust concentration.

Industrial hygiene measurement for exposures to formaldehyde cannot use 2,4-dinitrophenylhydrazine (DNPH) in sample collection or during analysis due to reaction with an ingredient in this product that will

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produce formaldehyde. Sample results will show higher concentrations of formaldehyde than actually exist employing DNPH anywhere in the analytical method. Previous standard IH sampling measurement using DNPH have shown formaldehyde exposure concentrations well below 8 hour time weighted average occupational exposure standards including the DNPH error.

Animal studies indicate that prolonged and repeated overexposure to ethylene glycol may cause kidney and/or liver damage and birth defects. Overexposure is highly unlikely at concentrations present in this product. Trace amounts of 1,4 dioxane, acetaldehyde and ethylene glycol monomethyl ether may be associated with the production of ethylene glycol. Any exposure to these substances is expected to remain well below OSHA regulatory and ACGIH recommended limits during normal handling and use of this product.

**Existing Conditions Aggravated by Exposure:**

Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma. Pre-existing skin diseases such as, but not limited to, rashes and dermatitis.

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** This product has no known adverse effect on ecology.

**Aquatic toxicity:** No further relevant information available.

**Persistence and Degradability:** No further relevant information available.

**Bioaccumulative Potential:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:**

Never discharge directly into sewers or surface waters.

Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 . TRANSPORT INFORMATION

**UN Number** Not applicable

**Proper Shipping Name** Not applicable

**Dangerous Goods Class** Not applicable

**Packing Group:** Not applicable

**Marine pollutant:** No

## 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:**

14807-96-6	Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )
14808-60-7	Quartz (SiO <sub>2</sub> )
107-21-1	1,2-ethanediol

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Not Scheduled.

## 16 . OTHER INFORMATION

**Date of Preparation or Last Revision:** 11.08.2015

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**Prepared by:** MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

### **Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds

LC<sub>50</sub>: Lethal concentration, 50 percent

LD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

### **Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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