

# Safety Data Sheet

## ToughGuard Xpress



### SECTION 1. IDENTIFICATION

**Product Identifier** ToughGuard Xpress  
**Other Means of Identification** ToughGuard Xpress  
**Recommended Use** Sealant.  
**Restrictions on Use** None known.  
**Manufacturer** Griffin Bros. Inc., 3033 Industrial Way NE, Salem, Oregon, 97303, 800-456-4743  
**Emergency Phone No.** CHEMTREC, 800-424-9300, Available 24 hours.  
**SDS No.** 0177

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Not classified under any hazard class.

#### Label Elements

Not applicable

#### Other Hazards

Every chemical should be treated with respect and care. This product should be kept away from the eyes, skin and lungs. It should not be ingested. Keep away from children.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Water and proprietary non-hazardous ingredients	7732-18-5	90 to 98		
Ethanol	64-17-5	1 to 5		
2-Butoxyethanol	111-76-2	1 to 5		

#### Notes

This product is manufactured exclusively for ToughGuard.

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

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### **Eye Contact**

Avoid direct contact. Wear chemical protective gloves, if necessary. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a total of 30 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately call a Poison Centre or doctor.

### **Ingestion**

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned. If swallowed do NOT induce vomiting. Give victim lots of water or milk and get medical attention immediately.

### **First-aid Comments**

Get medical advice or attention if you feel unwell or are concerned.

### **Most Important Symptoms and Effects, Acute and Delayed**

Treat symptomatically.

### **Immediate Medical Attention and Special Treatment**

#### **Target Organs**

Eyes, skin.

#### **Special Instructions**

Not applicable.

#### **Medical Conditions Aggravated by Exposure**

None known.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Product**

This product presents no unusual hazards in a fire situation.  
Not known to generate any hazardous decomposition products in a fire.

### **Special Protective Equipment and Precautions for Fire-fighters**

No special precautions are necessary.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

No special precautions are necessary.

### **Environmental Precautions**

It is good practice to prevent releases into the environment.

### **Methods and Materials for Containment and Cleaning Up**

No special clean-up methods are necessary.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Prevent accidental contact with incompatible chemicals. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

### **Conditions for Safe Storage**

No special requirements.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL®	
	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term TWA [C]
Ethanol	1000 ppm			1900 mg/m3		
2-Butoxyethanol	20 ppm A3		25 ppm			

### Appropriate Engineering Controls

The hazard potential of this product is relatively low. General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear safety glasses or chemical safety goggles.

#### Skin Protection

Chemical safety goggles should be used. Avoid contact with skin and eyes.

#### Respiratory Protection

If engineering controls and work practices are not effective in controlling inhalation exposure then wear suitable personal protective equipment including approved respiratory protection.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear colourless liquid. Particle Size: Not applicable
Odour	Slight Chemical
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not applicable (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	~ 1
Solubility	Very soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	Not available

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<b>Surface Tension</b>	Not available
<b>Critical Temperature</b>	Not available
<b>Electrical Conductivity</b>	Not available
<b>Vapour Pressure at 50 deg C</b>	Not available
<b>Saturated Vapour Concentration</b>	Not available

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

None known.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None known.

### Conditions to Avoid

None known.

### Incompatible Materials

Oxidizing agents, strong acids, and strong bases.

### Hazardous Decomposition Products

No hazardous decomposition products are known.

## SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Ethanol	~ 117-125 mg/L (rat) (4-hour exposure)	~ 10470 mg/kg (rat)	
2-Butoxyethanol	~ 450 ppm (female rat) (4-hour exposure)	~ 530 mg/kg (female rat)	~ 100 mg/kg (rabbit)

### Skin Corrosion/Irritation

Human experience shows very mild irritation.

### Serious Eye Damage/Irritation

Human experience shows very mild irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Not known to be harmful.

#### Skin Absorption

Not known to be harmful.

#### Ingestion

Irritating to mouth, throat, and stomach. Harmful if swallowed.

### Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited.

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

May cause respiratory irritation.

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**Respiratory and/or Skin Sensitization**

Not known to be a respiratory sensitizer.

**Carcinogenicity**

Not known to cause cancer.

**Reproductive Toxicity****Development of Offspring**

Not known to harm the unborn child.

**Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

**Effects on or via Lactation**

Not known to cause effects on or via lactation.

**Germ Cell Mutagenicity**

Not known to be a mutagen.

**Interactive Effects**

Not known to have interactive effects.

**SECTION 12. ECOLOGICAL INFORMATION**

Not known to be hazardous to the environment.

**Ecotoxicity**

No information was located. Not known to be toxic.

**Persistence and Degradability**

No ingredient of this product or its degradation products is known to be highly persistent.

**Bioaccumulative Potential**

This product and its degradation products are not known to bioaccumulate.

**Mobility in Soil**

Studies are not available.

**Other Adverse Effects**

There is no information available.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Recycle and reuse product, if possible.

**SECTION 14. TRANSPORT INFORMATION**

Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

**Environmental Hazards** Not applicable

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15. REGULATORY INFORMATION****Safety, Health and Environmental Regulations****USA****Toxic Substances Control Act (TSCA) Section 8(b)**

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All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Michael Harvey  
**Phone No.** 503-866-1185  
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**Revision Indicators** The following SDS content was changed on March 08, 2018:

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