


## Section 1. Identification

<b>Product Name</b>	: Deckguard Primer - Part B
<b>Other Means of Identification</b>	: Not available.
<b>Physical State</b>	: Liquid
<b>Material Uses</b>	: Component of a Polyurethane System
<b>Restrictions on Use</b>	: No data.
<b>Supplier</b>	: The D.S. Brown Company 300 East Cherry Street North Baltimore, Ohio 45872
<b>Company Phone Number</b>	: 419-257-3561
<b>In Case of Emergency</b>	: Chemtrec 1-800-262-8200 International 01-703-741-5500

## Section 2. Hazards Identification

<b>OSHA/HCS Status</b>	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Classification of the Substance or Mixture</b>	: Skin corrosion/irritation - Category 2 Serious eye damage/eye irritation - Category 2A Skin sensitization - Category 1

### GHS LABEL ELEMENTS

<b>Hazard Pictogram</b>	: 
<b>Signal Word</b>	: Warning!
<b>Hazard Statements</b>	: Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction.
<b>Precautionary Statements</b>	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Wear protective gloves. Wear eye or face protection. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. <b>If on skin:</b> Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. <b>If in eyes:</b> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Other Hazards Which Do Not Result in Classification</b>	: None known.

## Section 3. Composition/Information on Ingredients

**Substance/Mixture** : Mixture

Name	CAS No.	%
Polyether polyol	26316-40-5	30 – 60
3-Aminopropyltriethoxysilane	919-30-2	0.1 – 1

Any concentration show as a range is to protect confidentiality or is due to batch variation.

**Occupational exposure limits, if available, are listed in Section 8.**

## Section 4. First Aid Measures

- Eye Contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin Contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### **MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED: POTENTIAL ACUTE HEALTH EFFECTS**

- Eye Contact** : Causes serious eye irritation.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin Contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : Irritating to mouth, throat and stomach.

## Section 4. First Aid Measures *cont'd.*

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED: OVER-EXPOSURE SIGNS/SYMPTOMS

<b>Eye Contact</b>	: Adverse symptoms may include the following: pain or irritation watering redness
<b>Inhalation</b>	: No specific data.
<b>Skin Contact</b>	: Adverse symptoms may include the following: irritation redness
<b>Ingestion</b>	: No specific data.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

<b>Notes to Physician</b>	: No specific treatment. Treat symptomatically. Call medical doctor or poison control center immediately if large quantities have been ingested.
<b>Protection of First-Aiders</b>	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-Fighting Measures

<b>Flashpoint</b>	: Closed cup: >110°C (>230°F)
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### EXTINGUISHING MEDIA

<b>Suitable Extinguishing Media</b>	: Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable Extinguishing Media</b>	: None known.
<b>Specific Hazards Arising from the Chemical</b>	: In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous Thermal Decomposition Products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
<b>Special Protective Actions for Fire-Fighters</b>	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special Protective Equipment for Fire-Fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental Release Measures

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- For Non-Emergency Personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- For Emergency Responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental Precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for Cleaning Up** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and Storage

### PRECAUTIONS FOR SAFE HANDLING

- Protective Measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on General Occupational Hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and Storage *cont'd.*

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- Advice on Safe Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure Controls/Personal Protection

### CONTROL PARAMETERS

- Appropriate Engineering Controls** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Environmental Exposure Controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### INDIVIDUAL PROTECTION MEASURES

- Hygiene Measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/Face Protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Hand Protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

## Section 8. Exposure Controls/Personal Protection *cont'd.*

### PERSONAL PROTECTION *cont'd.*

<b>Body Protection</b>	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Other Skin Protection</b>	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory Protection</b>	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<b>Thermal Hazards</b>	: Not available.

## Section 9. Physical and Chemical Properties

<b>Appearance</b>	
<b>Physical State</b>	: Liquid
<b>Color</b>	: Not available.
<b>Odor</b>	: Not available.
<b>Odor Threshold</b>	: Not available.
<b>pH</b>	: Not available.
<b>Boiling/Condensation Point</b>	: Not available.
<b>Melting/Freezing Point</b>	: Not available.
<b>Flash Point</b>	: Closed cup: >110°C (>230°F)
<b>Evaporation Rate</b>	: Not available.
<b>Flammability (Solid, Gas)</b>	: Not available.
<b>Lower and Upper Explosive Flammable Limits</b>	: Not available.
<b>Vapor Pressure</b>	: Not available.
<b>Vapor Density</b>	: Not available.
<b>Relative Density</b>	: 0.96
<b>Solubility in Water</b>	: Not available.
<b>Partition Coefficient: n-Octanol/Water</b>	: Not available.
<b>Auto-Ignition Temperature</b>	: Not available.
<b>Decomposition Temperature</b>	: Not available.
<b>Viscosity</b>	: Dynamic (room temperature): 817 mPa·s (817 cP)

## Section 10. Stability and Reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical Stability</b>	: The product is stable.
<b>Possibility of Hazardous Reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to Avoid</b>	: No specific data.
<b>Incompatible Materials</b>	: No specific data.
<b>Hazardous Decomposition Products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological Information

### Acute Toxicity

Product/Ingredient Name	Test	Endpoint	Species	Result
Polyether polyol	–	LD50 Dermal	Rabbit - Male, Female	>5000 mg/kg
	–	LD50 Oral	Rat-Male Female	>5000 mg/kg
3-Aminopropyltriethoxysilane	OECD 403 Acute Inhalation Toxicity	LC50 Inhalation Vapor	Rat-Male	>5 ppm
	EPA OPPTS EPA OTS 798.1100	LD50 Dermal	Rabbit-Male, Female	4075 mg/kg
	EPA OPPTS EPA OTS 798.1115	LD50 Oral	Rat-Male, Female	1491 to 2688 mg/kg

### Irritation/Corrosion

Product/Ingredient Name	Test	Species	Result
Polyether polyol	EPA OPPTS OPPTS 870.2500 Acute Dermal Irritation	Rabbit	Skin-Non-irritant
	OECD 405 Acute Eye Irritation/ Corrosion	Rabbit	Eyes-Severe irritant
3-Aminopropyltriethoxysilane	OECD 405 Acute Eye Irritation/ Corrosion	Rabbit	Eyes-Corrosive
	OECD 404 Acute Dermal Irritation/ Corrosion	Rabbit	Skin-Corrosive

### Conclusion/Summary

<b>Skin:</b>	Polyether polyol 3-Aminopropyltriethoxysilane	Non-irritating to the skin. Corrosive to the skin.
<b>Eyes:</b>	Polyether polyol 3-Aminopropyltriethoxysilane	Severely irritating to eyes. Corrosive to the eyes.
<b>Respiratory:</b>	Polyether polyol 3-Aminopropyltriethoxysilane	No additional information. No additional information.

## Section 11. Toxicological Information *cont'd.*

### Sensitization

Product/Ingredient Name	Test	Route of Exposure	Species	Result
Polyether polyol	-	Skin	Mouse	Sensitizing
3-Aminopropyltriethoxysilane	-	Skin	Guinea Pig	Sensitizing

### Mutagenicity

Product/Ingredient Name	Test	Result
Polyether polyol	Experiment: In vitro; Subject: Mammalian-Animal Metabolic activation: +/-	Negative
	Experiment: In vitro; Subject: Mammalian-Animal Metabolic activation: +/-	Negative
	Experiment In vitro; Subject: Bacteria/yeast Metabolic activation: +/-	Negative
3-Aminopropyltriethoxysilane	Experiment: In vivo; Subject: Mammalian-Animal	Negative

### Conclusion/Summary

3-aminopropyltriethoxysilane: The weight of the scientific evidence indicates that this material is non-genotoxic.

### Carcinogenicity

Not available.

### Reproductive Toxicity

Product/Ingredient Name	Test	Species	Maternal Toxicity	Fertility	Developmental Effects
Polyether polyol	OECD 421 Reproduction-Development Toxicity Screening Test	Rat – Male, Female	Negative	Negative	Negative

### Teratogenicity

Not available.

### Specific Target Organ Toxicity (Single Exposure)

Not available.

### Specific Target Organ Toxicity (Repeated Exposure)

Not available.

### Aspiration Hazard

Not available.

### Information on the Likely Routes of Exposure

Not available.



## Section 11. Toxicological Information *cont'd.*

### POTENTIAL ACUTE HEALTH EFFECTS

- Eye Contact** : Causes serious eye irritation.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects maybe delayed following exposure.
- Skin Contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : Irritating to mouth, throat and stomach.

### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

- Eye Contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin Contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

### DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM EXPOSURE

#### SHORT-TERM EXPOSURE

- Potential Immediate Effects** : Not available.
- Potential Delayed Effects** : Not available.

#### LONG-TERM EXPOSURE

- Potential Immediate Effects** : Not available.
- Potential Delayed Effects** : Not available.

#### Potential Chronic Health Effects

Product/Ingredient Name	Test	Endpoint	Species	Result
Polyether polyol	Unknown guidelines	Sub-chronic NOAEL Oral	Rat - Male, Female	>1000 mg/kg/d
3-Aminopropyltriethoxysilane	OECD 408 Repeated Dose 90-Day Oral Toxicity Study in Rodents	Sub-chronic NOAEL Oral	Rat - Male, Female	200 mg/kg

- General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

## Section 11. Toxicological Information *cont'd.*

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental Effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

### NUMERICAL MEASURES

<b>Acute Toxicity Estimates</b>	<b>Route</b>	<b>ATE Value</b>
	Oral	53136.5 mg/kg
	Dermal	433062.5 mg/kg

**Other Information** : Not available.

## Section 12. Ecological Information

### Toxicity

Product/Ingredient Name	Test	Endpoint		Exposure	Species	Result
Polyether polyol	EU EC C.3 Algal Inhibition Test	Acute	EC50	72 hours static	Algae	150.67 mg/l
	OECD 202 <i>Daphnia</i> sp. Acute Immobilization Test	Acute	EC50	48 hours static	<i>Daphnia</i>	103 mg/l
	EU EC C.11 Biodegradation: Activated Sludge Respiration Inhibition Test.	Acute	IC50	3 hours static	Bacteria	>10000 mg/l
	OECD 203 Fish, Acute Toxicity Test	Acute	LC50	96 hours static	Fish	25600 mg/l
	OECD 211 <i>Daphnia Magna</i> , Reproduction Test	Chronic	NOEC	21 days semi-static	<i>Daphnia</i>	>10 mg/l
3-Aminopropyltriethoxysilane	EU EC C.3 Algal Inhibition Test	Acute	EC50	72 hours static	Algae	>1000 mg/l
	-	Acute	EC50	5.75 hours static	Bacteria	43 mg/l
	OECD 202 <i>Daphnia</i> sp. Acute Immobilization Test	Acute	EC50	48 hours static	<i>Daphnia</i>	331 mg/l
	OECD 203 Fish, Acute Toxicity Test	Acute	LC50	96 hours semi-static	Fish	>934mg/l
	Acute Toxicity Test EU EC C.3 Algal Inhibition Test	Chronic	NOECr	72 hours static	Algae	1.3 mg/l

## Section 12. Ecological Information *cont'd.*

### Persistence and Degradability

Product/Ingredient Name	Test	Period	Result
Polyether polyol	EU	28 days	2%
3-Aminopropyltriethoxysilane	EU EC C.4-A Biodegradation: Determination of the "Ready" Biodegradability: Dissolved Organic Carbon (DOC) Die-Away Test	28 days	67%

Product/Ingredient Name	Aquatic Half-life	Photolysis	Biodegradability
Polyether polyol	-	-	Not readily
3-Aminopropyltriethoxysilane	-	-	Not readily

### Bioaccumulative Potential

Product/Ingredient Name	LogPow	BCF	Potential
Polyether polyol	-1.25 to 1.2	-	low
3-Aminopropyltriethoxysilane	1.7	3.4	low

**Mobility in Soil** : Not available.

**Other Adverse Effects** : No known significant effects or critical hazards.

### Other Ecological Information

**BOD5** : Not determined.

**COD** : Not determined.

**TOC** : Not determined.

## Section 13. Disposal Considerations

**Waste Disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed water disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable regional, national and local laws and regulations.**

**Section 14. Transport Information**

**Proper Shipping Name**  
**DOT** : Not regulated.  
**TDG** : Not regulated.  
**IMDG** : Not regulated.  
**IATA** : Not regulated.

Regulatory Information	UN Number	Classes	Packing Group	Label	Additional Information
DOT Classification	Not Regulated	-	-	-	-
TDG Classification	Not Regulated	-	-	-	-
IMDG Class	Not Regulated	-	-	-	-
IATA-DGR Class	Not Regulated	-	-	-	-

**Section 15. Regulatory Information**

**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT**  
**US FEDERAL REGULATIONS**

**TSCA 8(b) Inventory** : All components are listed or exempted.  
**TSCA 5(a)2 Final Significant New Use Rule (SNUR)** : No ingredients list.  
**TSCA 5(e) Substance Consent Order** : No ingredients listed.  
**TSCA 12(b) Export Notification** : No ingredients listed.  
**SARA 311/312** : Immediate (acute) health hazard.  
**Clear Air Act - Ozone Depleting Substances (ODS)** : This product does not contain nor is it manufactured with ozone depleting substances.  
**SARA 313** : No ingredients listed.

**CERCLA Hazardous Substances**

Ingredient Name	Concentration % Percentage	Section 304 CERCLA Hazardous Substance	CERCLA Reportable Quantity (Lbs)	Product Reportable Quantity (Lbs)
Methanol	0.025	Listed	5000	20000000



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## Section 15. Regulatory Information *cont'd.*

### STATE REGULATIONS

**Pennsylvania - RTK** : No ingredients listed.

**California Prop 65:** : **WARNING:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive
Methanol	No	Yes

### INTERNATIONAL REGULATIONS

#### Canadian Regulations

**CEPA DSL** : All components are listed or exempted.

**WHMIS (Canada)** : Class E: Corrosive material.

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.**

#### Brazil Regulations

**Classification System Used** : Norma ABNT-NBR 14725-2:2012

**International Lists** : Australia inventory (AICS): Not determined.  
 China inventory (IECSC): All components are listed or exempted.  
 Japan inventory: Not determined.  
 Korea inventory: Not determined.  
 Malaysia Inventory (EHS Register): Not determined.  
 New Zealand Inventory of Chemicals (NZIoC): At least one component is not listed.

## Section 16. Other Information

**Hazardous Material Information System (USA)** : Health: 2  
 Flammability: 1  
 Physical Hazards: 0  
 Personal Protection

**The customer is responsible for determining the PPE code for this material.**

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

## Section 16. Other Information

**National Fire Protection Association (USA)** : Health: 2  
: Flammability: 1  
: Instability: 0  
: Special

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

**Further Information** : Not available.  
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**Date of Previous Version** : No previous validation.  
**Version** : 1

▀ Indicates information that has changed from previously issued version.

### Notice to Reader

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE REponsibility OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent upon the manufacturing circumstances of other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.

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