

Revision Date 23-Apr-2009

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product code** DN5770  
**Product name** Real Seal Clear  
**Recommended Use** Adhesive / Sealant

**Supplier** Drummond American  
A Lawson Products Company  
600 Corporate Woods Parkway  
Vernon Hills, IL 60061  
(847) 913-9313

**Emergency telephone number** (888) 426-4851

**2. HAZARDS IDENTIFICATION****Emergency Overview**

Mildly irritating.

**Color** Clear**Odor** Vinegar-like**Form** Solid**Aggravated Medical Conditions** None Known.**Principal Routes of Exposure** Eyes. Skin. Inhalation. Ingestion.**Potential health effects****Eyes** Moderately irritating to the eyes.**Skin** Moderate irritation.**Inhalation** Mild irritation. Extreme overexposure may cause. Drowsiness . Lung damage.**Ingestion** Effects of small quantities are expected to be minimal. Swallowing large amounts may be harmful.**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
Methyltriacetoxysilane	4253-34-3	1-5
Ethyltriacetoxysilane	17689-77-9	1-5
Aluminum	7429-90-5	0.5-1.5
Dimethyl Siloxane trimethoxysilyl- terminated	PMN871176	5-10

**4. FIRST AID MEASURES****Eye contact** Flush with plenty of water for at least 15 minutes.**Skin contact** Flush area with water for 15 minutes. Seek medical attention if irritation persists.

<b>Ingestion</b>	Seek medical attention immediately.
<b>Inhalation</b>	Remove to fresh air. Seek medical attention.
<b>Notes to physician</b>	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	Not Applicable
<b>Flash point °F</b>	Not Applicable
<b>Method</b>	No information available

<b>Autoignition temperature °C</b>	Not Applicable
<b>Autoignition temperature °F</b>	Not Applicable

<b>Flammability Limits (% in Air)</b>	
<b>Upper</b>	Not Applicable
<b>Lower</b>	Not Applicable

### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water spray.

### **Special protective equipment for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

### **Special Fire-Fighting Procedures**

Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

### **Specific hazards**

When heated to temperatures above 300 degrees F in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and known skin and respiratory sensitizer

### **Fire and Explosion Hazards**

None known.

### **Sensitivity to shock**

No information available.

### **Sensitivity to static discharge**

No information available.

## 6. ACCIDENTAL RELEASE MEASURES

### **Methods for cleaning up**

Evacuate area of unprotected and unnecessary personnel. Wipe or scrape up and dispose of spill. Soak up excess with absorbent material. Collect and contain for disposal. Use caution as spill may create a slip hazard.

## 7. HANDLING AND STORAGE

### **Handling**

Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Do not get on skin or in eyes. Avoid breathing vapors. Keep container closed when not in use. Do not take internally.

**Storage**

Keep tightly closed in a dry and cool place. Prevent moist air from entering storage tanks or containers.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure limits**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Dimethyl Siloxane trimethoxysilyl-terminated	-	-	-	-
Ethyltriacetoxysilane	-	10 mg/m <sup>3</sup> (dust)	-	15 ppm
Methyltriacetoxysilane	-	ND	-	ND
Aluminum	-	-	-	-

**Ventilation and Environmental Controls**

Local: recommended. General: recommended.

**Hygiene measures**

Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

**Personal protective equipment****Respiratory protection**

None necessary under normal conditions. In case of insufficient ventilation wear suitable respiratory equipment.

**Hand Protection**

Chemical resistant gloves. Butyl rubber gloves. Neoprene gloves. Nitrile rubber. Rubber gloves.

**Eye protection**

Use safety eyewear designed to protect against impact.

**Skin and body protection**

None necessary under normal conditions

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form</b>	Solid	<b>Color</b>	Clear
<b>Odor</b>	Vinegar-like	<b>Odor Threshold</b>	No information available
<b>pH</b>	Not Applicable	<b>Specific Gravity</b>	1.032
<b>Vapor pressure</b>	Not Applicable	<b>Vapor density</b>	Not Applicable
<b>Evaporation Rate</b>	Not Applicable	<b>VOC Content</b>	No data available
<b>Water solubility</b>	No data available	<b>Partition Coefficient (n-octanol/water)</b>	Not Applicable
<b>Boiling point/range °C</b>	Not Applicable	<b>Boiling point/range °F</b>	Not Applicable
<b>Melting point/range °C</b>	Not Applicable	<b>Melting point/range °F</b>	Not Applicable
<b>Flash point °C</b>	Not Applicable	<b>Flash point °F</b>	Not Applicable

**10. STABILITY AND REACTIVITY**

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### Stability

Stable.

### Conditions to avoid

Do not expose to air or moisture until ready to use.

### Incompatibility

Water. Moisture. Humid air. Oxidizers.

### Hazardous Decomposition Products

Carbon oxides. Incompletely burned carbon products. Silicone dioxide. Nitrogen oxides (NOx). Formaldehyde. Metallic oxides. Sulfur oxides. Acetic acid.

### Polymerization

Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
<i>Dimethyl Siloxane trimethoxysilyl- terminated PMN871176</i>	-	-	-
<i>Ethyltriacetoxysilane 17689-77-9</i>	-	-	-
<i>Methyltriacetoxysilane 4253-34-3</i>	2060 mg/kg	2060	2060 mg/kg
<i>Aluminum 7429-90-5</i>	-	-	-

### Synergistic Products

None known

### Potential health effects

#### Sensitization

None known

#### Chronic toxicity

None known

#### Mutagenic effects

None known

#### Teratogenic effects

None known

#### Reproductive toxicity

None known

#### Target Organ Effects

See Section 2

#### Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Dimethyl Siloxane trimethoxysilyl- terminated	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Ethyltriacetoxysilane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methyltriacetoxysilane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Aluminum	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

No Information Available

## 13. DISPOSAL CONSIDERATIONS

### Disposal Information

As supplied, this product is classified as non-hazardous waste according to RCRA regulations.

### Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

### DOT

Not Regulated

### TDG

Not Regulated

### IMDG/IMO

Not Regulated

### IATA

Not Regulated

### MEX

Not Regulated

## 15. REGULATORY INFORMATION

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Dimethyl Siloxane trimethoxysilyl- terminated	Not Listed	Not Listed	Not Listed
Ethyltriacetoxysilane	Not Listed	Not Listed	Not Listed
Methyltriacetoxysilane	Not Listed	Not Listed	Not Listed

**15. REGULATORY INFORMATION**

Aluminum	Listed	Not Listed	Not Listed
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Chemical Name	EINECS	DSL	NDSL	TSCA
Dimethyl Siloxane trimethoxysilyl- terminated	-	-	-	-
Ethyltriacetoxysilane	X	X	-	X
Methyltriacetoxysilane	X	X	-	X
Aluminum	X	X	-	X

**CPRC**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**16. OTHER INFORMATION**

NFPA		HMIS	
Health	2	Health	-
Flammability	1	Flammability	-
Reactivity	0	Physical Hazard	-

**OPREC**

When heated to temperatures above 300 degrees F in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping

**Prepared By**

Michael Katz, Regulatory Affairs Specialist

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.