

MSDS: 0009765 Date: 11/16/2004

Supercedes: 11/16/2001

# **MATERIAL SAFETY DATA SHEET**

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# 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DAPCO™ 2200 Primerless Firewall Sealant, Part A

Synonyms: None

**Product Description:** Mixture of polysiloxanes and fillers **Use:** Engineered material sealant

Supplied By: D Aircraft Products, Inc.

1191 HAWK CIRCLE, ANAHEIM, CALIFORNIA 92807 714/632-8444

EMERGENCY PHONE: In CANADA: 1-905/356-8310 In USA: 1-800/424-9300 or 1-703/527-3887.

Manufactured By: D Aircraft Products, Inc., a wholly owned subsidiary of Cytec Industries Inc.

1191 HAWK CIRCLE, ANAHEIM, CALIFORNIA 92806 714/632-8444

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

### WHMIS REGULATED COMPONENTS

Component / CAS No. Calcium carbonate 471-34-1	<b>% (w/</b> 30 - 60	OSHA (PEL): 15 mg/m³ total 5 mg/m³ respirable	ACGIH (TLV) 10 mg/m³ Inhalable particles. (TWA) 3 mg/m³ Respirable particles. (TWA) 10 mg/m³ (TWA)	Carcinogen -
Carbon 7440-44-0	< 5	Not established	2 mg/m³ (TWA) all forms except fibers	-
Iron oxide black 1317-61-9	< 5	10 mg/m <sup>3</sup>	5 mg/m³ (TWA)	-
Trimethylated silica 68909-20-6	< 5	5 mg/m³ ceiling (Dow Corning)	Not established	-
Titanium Dioxide 13463-67-7	< 5	15 mg/m <sup>3</sup> total	10 mg/m³ Inhalable particles. (TWA) 3 mg/m³ Respirable particles. (TWA) 10 mg/m³ (TWA)	-

# 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** 

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#### APPEARANCE AND ODOR:

Color: blue Appearance: paste Odor: odorless

#### **STATEMENTS OF HAZARD:**

CAUSES EYE IRRITATION WARNING! MAY CAUSE SKIN IRRITATION

#### POTENTIAL HEALTH EFFECTS

#### **EFFECTS OF EXPOSURE:**

The estimated acute oral (rat) LD50, acute dermal (rabbit) LD50 and 4-hour inhalation (rat) LC50 values for this material are >5,000 mg/kg, >2,000 mg/kg and >20 mg/L, respectively. Direct contact with this material may cause moderate eye and mild skin irritation. Ingestion or inhalation of this material is unlikely to cause significant acute toxic effects. Refer to Section 11 for toxicology information on the regulated components of this product.

## 4. FIRST AID MEASURES

### Ingestion:

Material is not expected to be harmful by ingestion. No specific first aid measures are required.

#### **Skin Contact:**

Wash immediately with plenty of water and soap.

### **Eye Contact:**

Rinse immediately with plenty of water for at least 15 minutes. Obtain medical advice if there are persistent symptoms.

#### Inhalation:

Material is not expected to be harmful if inhaled. Remove to fresh air.

### Notes To Physician:

Formaldehyde is not a component of this product, however, heating to temperatures above 150 C in the presence of air may result in the release of formaldehyde. Formaldehyde is a known animal carcinogen and is considered to be probably carcinogenic to humans by the International Agency for Research on Cancer and the National Toxicology Program. Formaldehyde is irritating to the eyes, nose, throat and skin and is a dermal sensitizer.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use water spray or fog, carbon dioxide or dry chemical.

**Protective Equipment:** Firefighters, and others exposed, wear self-contained breathing apparatus. Wear

full firefighting protective clothing. See MSDS Section 8 (Exposure

Controls/Personal Protection).

Mechanical/Static Sensitivity

Statements:

None

### 6. ACCIDENTAL RELEASE MEASURES

Sealant, Part A

### Personal precautions:

Where exposure level is not known, wear approved, positive pressure, self-contained respirator. Where exposure level is known, wear approved respirator suitable for level of exposure. Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.

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#### **Methods For Cleaning Up:**

Sweep up into containers for disposal. Flush spill area with water.

### 7. HANDLING AND STORAGE

#### **HANDLING**

Precautionary Measures: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Special Handling Statements:** Heating to temperatures above 150 C (302 F) in the presence of air may result in the release of formaldehyde. Formaldehyde is a known animal carcinogen and is considered to be probably carcinogenic to humans by the International Agency for Research on Cancer and the National Toxicology Program. Formaldehyde is irritating to the eyes, nose, throat and skin and is a dermal sensitizer. The permissable exposure limit for formaldehyde should not be exceeded.

#### **STORAGE**

None

Storage Temperature: Store at <27 °C 80 °F

Reason: Integrity.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Engineering Measures:**

Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

### **Respiratory Protection:**

Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure.

### **Eye Protection:**

Wear eye/face protection such as chemical splash proof goggles or face shield. Eyewash equipment and safety shower should be provided in areas of potential exposure.

### **Skin Protection:**

Avoid skin contact. Wear impermeable gloves and suitable protective clothing.

#### **Additional Advice:**

Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Color: blue paste
Odor: paste
Odor: odorless
Boiling Point: Not applicable
Melting Point: Not applicable
Vapor Pressure: Not applicable

Specific Gravity: 1.45

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Sealant, Part A

Vapor Density: Not applicable

Percent Volatile (% by wt.): 0.5

Not applicable pH:

Saturation In Air (% By Vol.): Not applicable **Evaporation Rate:** Not applicable Solubility In Water: Negligible **Volatile Organic Content:** Not applicable

Flash Point: >93 °C 200 °F Setaflash Closed Cup

Flammable Limits (% By Vol): Not applicable **Autoignition Temperature:** Not available **Decomposition Temperature:** Not available Partition coefficient (n-Not applicable

octanol/water):

**Odor Threshold:** See Section 2 for exposure limits.

# 10. STABILITY AND REACTIVITY

Stability: Stable

**Conditions To Avoid:** None known

Polymerization: Will not occur

**Conditions To Avoid:** None known

**Materials To Avoid:** No specific incompatibility

**Hazardous Decomposition** 

carbon dioxide **Products:** carbon monoxide

calcium oxide formaldehyde silicon dioxide

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Sealant, Part A

## 11. TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under Section 3. HAZARDS IDENTIFICATION. Toxicological information on the regulated components of this product is as follows:

Iron oxide overexposure is unlikely to cause significant acute toxic effects. Inhalation of iron oxide fume or dust can deposit or collect in the lungs (siderosis) with little or no physical disability.

Acute exposure to titanium dioxide dust is not likely to cause adverse effects. Chronic exposure to titanium dioxide may cause some lung fibrosis. Inhalation of titanium dioxide dust at 50 times the nuisance dust level caused lung fibrosis and a slight increase in lung tumor incidence in laboratory rats. When titanium dioxide was fed to rats and mice over lifetime in a carcinogen bioassay, it was not carcinogenic.

Calcium carbonate has an acute oral (rat) LD50 of 6.5 g/kg. Direct contact will cause moderate skin and severe eye irritation. Inhalation of dust can cause mild respiratory irritation.

Trimethylated silica, which is a unique form of fumed silica, is not expected to cause adverse health effects via inhalation, oral or dermal routes of exposure. Trimethylated silica does not cause the lung diseases crystalline silica is known to cause. The acute oral (rat) LD50 for fumed silica is 3.1 g/kg.

Carbon dust can be mildly irritating to the lungs; however, acute overexposure is not expected to cause adverse health effects.

### 12. ECOLOGICAL INFORMATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The ecological assessment for this material is based on an evaluation of its components.

# 13. DISPOSAL CONSIDERATIONS

Cytec encourages the recycle, recovery and reuse of materials, where permitted, as an alternative to disposal as a waste. Cytec recommends that organic materials classified as hazardous waste according to the relevant local or national regulations be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed.

### 14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

### **US DOT**

Proper Shipping Name: Not applicable/Not regulated

Sealant, Part A

Transport Label Required: None

Hazardous Substances:

Not applicable

### TRANSPORT CANADA

Proper Shipping Name: Not applicable/Not regulated

### ICAO / IATA

Proper Shipping Name: Not applicable/Not regulated Packing Instructions/Maximum Net Quantity Per Package:

Passenger Aircraft: -Cargo Aircraft: -

#### **IMO**

Proper Shipping Name: Not applicable/Not regulated

### 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled products Regulations and this Material Safety Data Sheet contains all the information required by the Controlled Products Regulations.

#### WHMIS CLASSIFICATION:

Class D2B Toxic

#### INVENTORY INFORMATION

**United States (USA):** This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U. S. C. 2601 et. seq.

**Canada:** Components of this product have been reported to Environment Canada in accordance with Sections 66 and/or 81 of the Canadian Environmental Protection Act (1999), and are included on the Domestic Substances List.

**European Union (EU):** All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are polymers of which the components of which are in EINECS, in compliance with Council Directive 67/548/EEC and its amendments.

**Australia:** All components of this product are included in the Australian Inventory of Chemical Substances (AICS).

**China:** All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

Japan: All components of this product are NOT included on the Japanese (ENCS) inventory.

**Korea:** All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory.

**Philippines:** All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine inventory.

### 16. OTHER INFORMATION

### NFPA Hazard Rating (National Fire Protection Association)

Health: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

Fire: 1 - Materials that must be preheated before ignition can occur.

Reactivity: 0 - Materials that in themselves are normally stable, even under fire exposure conditions.

DAPCO™ 2200 Primerless Firewall Sealant, Part A

MSDS: 0009765

Date: 11/16/2004

Reasons For Issue: Date update

Prepared By: Randy Deskin, Ph.D., DABT +1-973-357-3100

Date: 11/16/2004

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MSDS: 0009766 Date: 09/01/2004

Supercedes: 06/09/2003

# **MATERIAL SAFETY DATA SHEET**

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DAPCO™ 2200 Primerless Firewall Sealant, Part B

Product Description: Mixture of alkyl silicate and silane compound

**Use:** Engineered material sealant

Supplied By: D Aircraft Products, Inc.

1191 HAWK CIRCLE, ANAHEIM, CALIFORNIA 92807 714/632-8444

EMERGENCY PHONE: In CANADA: 1-905/356-8310 In USA: 1-800/424-9300 or 1-703/527-3887.

Manufactured By: D Aircraft Products, Inc., a wholly owned subsidiary of Cytec Industries Inc.

1191 HAWK CIRCLE, ANAHEIM, CALIFORNIA 92806 714/632-8444

# 2. COMPOSITION/INFORMATION ON INGREDIENTS

### WHMIS REGULATED COMPONENTS

Component / CAS No. gamma-Aminopropyltriethoxy silane 919-30-2	<b>%</b> 30 - 60	(w/w)	OSHA (PEL): Not established	ACGIH (TLV) Not established	Carcinogen -
Ethanol 64-17-5	<= 1		1000 ppm	1000 ppm (TWA)	-
Dibutyltin dilaurate 77-58-7	< 5		0.1 mg/m <sup>3</sup>	0.1 mg/m³ Sn_ (TWA) 0.2 mg/m³ Sn_ (STEL) (skin)	-
Titanium Dioxide 13463-67-7	< 1		15 mg/m³ total	10 mg/m³ Inhalable particles. (TWA) 3 mg/m³ Respirable particles. (TWA) 10 mg/m³ (TWA)	-

# 3. HAZARDS IDENTIFICATION

### **EMERGENCY OVERVIEW**

APPEARANCE AND ODOR:

Color: white

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Sealant, Part B

Appearance: liquid

Odor: ammonia-like

STATEMENTS OF HAZARD:

DANGER! CAUSES SEVERE BURNS OF EYES AND SKIN

VAPOR IRRITATING

COMBUSTIBLE LIQUID AND VAPOR

### POTENTIAL HEALTH EFFECTS

### **EFFECTS OF EXPOSURE:**

The acute oral (rat) LD50 and acute dermal (rabbit) LD50 values are estimated to be >1,450 mg/kg and >2,000 mg/kg, respectively.

Direct contact with this material may cause severe eye and skin irritation. Inhalation overexposure may cause irritation of the respiratory tract and eyes. Refer to Section 11 for toxicology information on the regulated components of this product.

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### 4. FIRST AID MEASURES

### Ingestion:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

#### **Skin Contact:**

Remove contaminated clothing and shoes without delay. Wear impermeable gloves. Wash immediately with plenty of water. Pay particular attention to skin crevices, nail folds, etc. Do not reuse contaminated clothing without laundering. Do not reuse contaminated leatherware. Obtain medical attention.

### **Eye Contact:**

Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention immediately.

#### Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use dry chemical, carbon dioxide or foam to extinguish fires.

Protective Equipment: Firefighters, and others exposed, wear self-contained breathing apparatus. Wear

full firefighting protective clothing. See MSDS Section 8 (Exposure

Controls/Personal Protection).

**Special Hazards:** Use water to keep containers cool but avoid letting it contact this product.

Mechanical/Static Sensitivity

Statements:

Areas containing this material should have fire-safe practices and electrical equipment in accordance with applicable governmental regulations for products

with the flashpoint as shown (Physical and Chemical Properties Section).

# 6. ACCIDENTAL RELEASE MEASURES

#### **Personal Precautions:**

Where exposure level is not known, wear approved, positive pressure, self-contained respirator. Where exposure level is known, wear approved respirator suitable for level of exposure. In addition to the protective clothing/equipment in Section 8 (Exposure Controls/Personal Protection), wear impermeable boots.

Sealant, Part B

### **Methods For Cleaning Up:**

Remove sources of ignition. Cover spills with some inert absorbent material; sweep up and place in a waste disposal container. Flush spill area with water.

### **Environmental Precautions:**

Use appropriate containment to avoid environmental contamination.

### 7. HANDLING AND STORAGE

### **HANDLING**

**Precautionary Measures:** Do not get in eyes, on skin or on clothing. Avoid breathing vapor. Keep away from heat and flame. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

**Handling Statements:** This material will corrode steel or aluminum at a rate greater than 6.25 mm (0.25 inches/year) @ 55 °C (130 °F). It is thus considered to be a corrosive material for transportation purposes.

### **STORAGE**

Areas containing this material should have fire safe practices and electrical equipment in accordance with applicable regulations and/or guidelines. Standards are primarily based on the material`s flashpoint, but may also take into account properties such as miscibility with water or toxicity. All local and national regulations should be followed. In the Americas, National Fire Protection Association (NFPA) 30: Flammable and Combustible Liquids Code, is a widely used standard. NFPA 30 establishes storage conditions for the following classes of materials: Class I Flammable Liquids, Flashpoint <37.8 °C. Class II Combustible Liquids, 37.8 °C < Flashpoint <60 °C. Class IIIa Combustible Liquids, Flashpoint > 93 °C.

**Storage Temperature:** Store at <27 °C 80 °F

Reason: Integrity

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Engineering Measures:**

Utilize a closed system process where feasible. Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure when spraying or curing at elevated temperatures.

### **Respiratory Protection:**

Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure. A full facepiece respirator also provides eye and face protection. Cutting, grinding or sanding of parts fabricated after curing may create respirable dust particles. Respiratory protection appropriate for this dust may be required. Refer to components listed above for potential hazardous components in the dust.

### **Eye Protection:**

Prevent eye and skin contact. Provide eye wash fountain and safety shower in close proximity to points of potential exposure. Wear eye/face protection such as chemical splash proof goggles or face shield.

### **Skin Protection:**

Prevent contamination of skin or clothing when removing protective equipment. Barrier creams may be used in conjunction with the gloves to provide additional skin protection. Wear impermeable gloves and suitable protective clothing.

### **Additional Advice:**

Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water. It is recommended that a shower be taken after completion of workshift especially if significant contact has occurred. Work clothing should then be laundered prior to reuse. Street clothing should be stored separately from work clothing and protective equipment. Work clothing and shoes should not be taken home.

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# 9. PHYSICAL AND CHEMICAL PROPERTIES

**Color:** white **Appearance:** liquid

Odor: ammonia-like
Boiling Point: Not available
Melting Point: Not applicable
Vapor Pressure: Not applicable

Specific Gravity: 0.928

Vapor Density: Not applicable

Percent Volatile (% by wt.): 62.7

pH: Not applicable
Saturation In Air (% By Vol.): Not applicable
Evaporation Rate: Not applicable
Solubility In Water: Reacts with water

Volatile Organic Content: 676 gm/L

Flash Point: 60 °C 140 °F Setaflash Closed Cup

Flammable Limits (% By Vol): Not applicable
Autoignition Temperature: Not available
Partition coefficient (n- Not applicable

octanol/water):

**Odor Threshold:** See Section 2 for exposure limits.

# 10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid:

None known

Polymerization:

Will not occur

Conditions To Avoid:

None known

Materials To Avoid: This material contains an organo silane compound which reacts vigorously with

water releasing heat. The addition of small amounts of water (in the range of 2-15%) can produce an exothermic reaction which generates alcohol, to the extent that the resulting solution can reach a temperature which exceeds the flash point of the new solution. If a water solution is desired, add the product to water, and

not vice versa.

**Hazardous Decomposition** 

**Products:** 

carbon dioxide carbon monoxide oxides of nitrogen silicon dioxide

### 11. TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under Section 3. HAZARDS IDENTIFICATION. Toxicological information on the regulated components of this product is as follows:

Acute exposure to titanium dioxide dust is not likely to cause adverse effects. Chronic exposure to titanium dioxide may cause some lung fibrosis. Inhalation of titanium dioxide dust at 50 times the nuisance dust level caused lung fibrosis and a slight increase in lung tumor incidence in laboratory rats. When titanium dioxide was fed to rats and mice over lifetime in a carcinogen bioassay, it was not carcinogenic.

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Dibutyltin dilaurate has an acute oral (rat) LD50 of 175 mg/kg and acute dermal (rabbit) LD50 of ~6800 mg/kg. Inhalation overexposure to organic tin compounds may cause headache, respiratory tract irritation and nausea.

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MSDS:

gamma-Aminopropyltriethoxy silane has acute oral (rat) and dermal (rabbit) LD50 values of 1780 mg/kg and 4000 mg/kg, respectively. Direct contact with this material caused severe eye and skin irritation when tested in rabbits. Test animals displayed central nervous system effects during acute toxicity studies. Inhalation of vapors can cause irritation of the eyes and upper respiratory tract. Prolonged contact with eyes or skin can cause chemical burns and tissue destruction and may also result in dermal sensitization. Ingestion of gamma-Aminopropyltriethoxy silane can cause damage to the gastrointestinal tract, liver, and kidneys. Absorption of this material caused kidney damage in laboratory animals.

Ethanol has acute oral (rat) and dermal (rabbit) LD50 values of 7060 mg/kg and 20,000 mg/kg, respectively. The 10-hour inhalation LC50 for ethanol in rats is 20,000 ppm (59.4 mg/L/4hr). The literature reports a lower 4-hour acute inhalation (rat) LC50 value of 31,000 mg/m³ (31 mg/l). Inhalation overexposure may cause respiratory tract irritation. Ethanol is a potent teratogen associated with abnormal fetal formation, growth retardation, neurological damage, and behavioral alterations in children with fetal alcohol syndrome. Chronic ingestion of ethanol may cause damage to the liver, heart and gastrointestinal tract. In a dominant lethal assay, male mice treated with ethanol over a three day period showed significant decrease in average litter size along with increased incidence of dead implants. Ethanol is reported to have shown positive results in in vivo and in vitro screening tests for mutagenicity. Direct contact with ethanol may cause moderate eye irritation and mild skin irritation. Ethanol may cause central nervous system depression that causes stupor, coma and eventually death if ingested in excessive quantities. The literature shows that due to synergistic and potentiating effects, the toxicity of ethanol may be enhanced by exposure to halogenated hydrocarbons.

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## 12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The ecological assessment for this material is based on an evaluation of its components.

### 13. DISPOSAL CONSIDERATIONS

Cytec encourages the recycle, recovery and reuse of materials, where permitted, as an alternative to disposal as a waste. Cytec recommends that organic materials classified as hazardous waste according to the relevant local or national regulations be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed.

### 14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

**US DOT** 

DAPCO™ 2200 Primerless Firewall MSDS: 0009766 Date: 09/01/2004 Page 6 of 7

Sealant, Part B

Proper Shipping Name: Corrosive liquid, flammable, n.o.s.

Hazard Class: 8 Subsidiary Class: 3 Packing Group: II UN/ID Number: UN2920

Transport Label Required: Corrosive

Flammable Liquid Marine Pollutant

Technical Name (N.O.S.): Contains ethanol and gamma-aminopropyltriethoxy silane

Hazardous Substances:

Not applicable

Comments: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to

non-bulk packagings transported by motor vehicles, rail cars or aircraft.

### TRANSPORT CANADA

Proper Shipping Name: Corrosive liquid, flammable, n.o.s.

Hazard Class: 8 Subsidiary Class: 3 Packing Group: II UN Number: 2920

Transport Label Required: Corrosive

Flammable Liquid Marine Pollutant

Technical Name (N.O.S.): Contains ethanol and gamma-aminopropyltriethoxy silane

#### ICAO / IATA

Proper Shipping Name: Corrosive liquid, flammable, n.o.s.

Hazard Class: 8 Subsidiary Class: 3 Packing Group: II UN Number: 2920

Transport Label Required: Corrosive

Flammable Liquid

Packing Instructions/Maximum Net Quantity Per Package:

Passenger Aircraft: 808; 1 L Cargo Aircraft: 812; 30 L

Technical Name (N.O.S.): Contains ethanol and gamma-aminopropyltriethoxy silane

### **IMO**

Proper Shipping Name: Corrosive liquid, flammable, n.o.s.

Hazard Class: 8 Subsidiary Class: 3 UN Number: 2920 Packing Group: II

Transport Label Required: Corrosive

Flammable Liquid Marine Pollutant

Technical Name (N.O.S.): Contains ethanol and gamma-aminopropyltriethoxy silane

# 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled products Regulations and this Material Safety Data Sheet contains all the information required by the Controlled Products Regulations.

DAPCO™ 2200 Primerless Firewall Sealant, Part B

WHMIS CLASSIFICATION:

Class B3 Combustible Liquid Class D2A Very Toxic Class D2B Toxic Class E Corrosive

#### INVENTORY INFORMATION

**United States (USA):** All components of this product are included on the TSCA Inventory in compliance with the Toxic Substances Control Act, 15 U. S. C. 2601 et. seq.

MSDS:

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**Canada:** Components of this product have been reported to Environment Canada in accordance with Sections 66 and/or 81 of the Canadian Environmental Protection Act (1999), and are included on the Domestic Substances List.

**European Union (EU):** All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) in compliance with Council Directive 67/548/EEC and its amendments.

# **16. OTHER INFORMATION**

### NFPA Hazard Rating (National Fire Protection Association)

Health: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

Fire: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

Reactivity: 1 - Materials that in themselves are normally stable, but that can become unstable at elevated temperatures and pressures.

Special: Water Reactive

Reasons For Issue: Revised Section 14

Prepared By: Randy Deskin, Ph.D., DABT +1-973-357-3100

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