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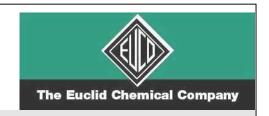
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This is a kit that contains the following components:

EUCO 700 PART A EUCO 700 PART B





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### SECTION 1 - PRODUCT IDENTIFICATION / PREPARATION INFORMATION

**Product Information** 

Trade name : EUCO 700 PART A

Product code : 042A 26

Supplier : Euclid Canada

2835 Grande-Allée

St-Hubert, QC J4T 2R4

Telephone : 1-800-667-0920 Emergency Phone: : (613) 996-6666

Preparation Information

Prepared by: : Sewnauth Raghunandan

Date: : 12/14/2010 Telephone : (416) 421-3300

# SECTION 2 - HAZARDS IDENTIFICATION

#### **Emergency Overview**

Gray. Liquid solution. Vapor may irritate respiratory tract. May cause nausea, headaches, and dizziness. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

#### **Acute Potential Health Effects/ Routes of Entry**

Inhalation : Vapor may irritate respiratory tract. May cause nausea, headaches, and dizziness.

Eyes : Direct contact may cause mild irritation. May cause temporary injury.

Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.
Skin : May cause sensitization resulting in irritation, itching and redness.

#### **Aggravated Medical Conditions**

Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

#### **Chronic Health Effects**

Prolonged or repeated exposure to epoxy resin can cause irritation to skin, eyes, skin sensitization, temporary eye injury. Certain epoxy resins are reported to be mutagenic in some laboratory tests. Repeated inhalation of nonyl phenol may cause lung damage. Repeated skin contact with nonyl phenol may cause skin irritation and dermatitis. Fillers are encapsulated and not expected to be released from product under normal conditions of

Target Organs: Skin, Eye, Ingestion, Lung

#### **SECTION 3: HAZARDOUS INGREDIENTS**

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Chemical Name	CAS-No.	Weight % Range	
Bisphenol A Polyglycidyl Ether Resin	25068-38-6	40.0 - 70.0	
4-Nonylphenol	84852-15-3	7.0 - 13.0	
Epichlorohydrin castor oil based epoxy resin	74398-71-3	5.0 - 10.0	
Titanium dioxide	13463-67-7	1.0 - 5.0	
The ingradients listed above are hazardous as defined in the controlled products regulation (CDP)			

The ingredients listed above are hazardous as defined in the controlled products regulation. (CPR).

### **SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get

medical attention.

Eye contact : Flush with water for 15 minutes. If irritation persists, get medical attention.

Skin contact : Wash area of contact thoroughly with hand cleaner followed by soap and water. If

irritation, rash or other disorders develop, get medical attention immediately.

Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control

Center or Physician immediately.

### **SECTION 5: FIRE / EXPLOSION HAZARDS**

Flash point : > 200 °F, > 93 °C

Method : Setaflash Closed Cup

Lower explosion limit : Not available.

Upper explosion limit : Not available.

Autoignition temperature : Not available.

Means of Extinction : If water fog is ineffective, use carbon dioxide, dry chemical or foam.

Hazardous combustion

products

Smoke, fumes.Carbon monoxide and carbon dioxide can form.

Protective equipment for

firefighters

Water may be used to cool containers to minimize pressure build-

up.Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus

(SCBA).

Fire and explosion conditions : Closed container, may burst when exposed to extreme heat.Empty

containers may contain ignitable vapors. Vapor concentrations in enclosed areas may ignite explosively. Vapors may travel to sources of

ignition and flashback.

# SECTION 6 - SPILLS / LEAKS / ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

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### **SECTION 7 - HANDLING AND STORAGE**

Store under dry warehouse conditions away from heat and all ignition sources. Store in a cool, well ventilated area. Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not smoke, weld, generate sparks, or use flame near container. Change soiled work clothes frequently. Clean hands thoroughly after handling.

# **SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

Personal protection equipment

Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or

supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's

directions for respirator use.

Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to

reduce exposure.

Eye protection : Chemical splash goggles.

Protective measures : Use professional judgment in the selection, care, and use.

Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed

areas.Use general ventilation and/ or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the MSDS

#### **Exposure Limits**

Chemical Name	CAS Number	Regulation	<u>Limit</u>	<u>Form</u>
4-Nonylphenol	84852-15-3			
Titanium dioxide	13463-67-7	Ontario TWAEV: ACGIH TWA:	10 mg/m3 10 mg/m3	Total dust.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

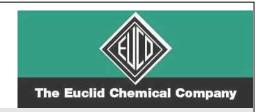
Physical State : Liquid

Form : Liquid solution

Color : Gray

Odor : Slight Phenolic
pH : Not available.
Vapour pressure : Not available.
Vapor density : Heavier than air
Melting point/range : Not available.
Freezing point : Not available.

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# **EUCO 700 PART A**

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Boiling point/range : Not available.

Water solubility : Negligible

Evaporation Rate: : Not available.

Specific Gravity : 1.2 % Volatile Weight : 10 %

# **SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid : Epoxy curing agents. Amines and oxidizing agents.

Stability : Material is stable under normal storage, handling, and use.

Hazardous polymerization : Will not occur.

### **SECTION 11 - TOXICOLOGICAL INFORMATION**

No Data Available

### **SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

### **SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Disposal Method : Dispose as hazardous waste according to all local, state, federal and provincial

regulations.

# **SECTION 14 - TRANSPORTATION / SHIPPING DATA**

#### TDG / DOT Shipping Description:

**NOT REGULATED** 

# **SECTION 15 - REGULATORY INFORMATION**

### **North American Inventories:**

This product or its components are listed on, or exempt from the Canadian Domestic Substances List. All components are listed or exempt from the TSCA inventory.

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RPM Canada



# **EUCO 700 PART A**

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#### **Canadian Regulations:**

WHMIS Classification : D2B, D2A

This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

#### Other Regulations:

When appropriately mixed with the other part, product has a VOC less water and exempt solvent of: 0.0000 g/l

### **SECTION 16 - OTHER INFORMATION**

#### **HMIS Rating:**

Health	2	0 = Minimum
Flammability	1	1 = Slight
Reactivity	1	2 = Moderate
PPE		3 = Serious
		4 = Severe

#### Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

### Prepared by: Sewnauth Raghunandan

#### Legend

ACGIH - American Conference of Governmental Hygienists OSHA - Occupational Safety and Health Administration

DOT - Department of Transportation PEL - Permissible Exposure Limit

DSL - Domestic Substance List RCRA - Resource Conservation and Recovery Act

EPA - Environmental Protection Agency STEL - Short Term Exposure Limit

HMIS - Hazardous Materials Information System
IARC - International Agency for Research on Cancer
MSHA - Mine Safety Health Administration

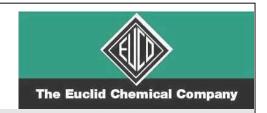
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average

NDSL - Non-Domestic Substance List V - Volume

NIOSH - National Institute for Occupational Safety and Health VOC - Volatile Organic Compound

NTP - National Toxicology Program WHMIS - Workplace Hazardous Materials Information System

RPM Canada



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**REVISION DATE: 12/14/2010** 

### SECTION 1 - PRODUCT IDENTIFICATION / PREPARATION INFORMATION

**Product Information** 

Trade name : EUCO 700 PART B

Product code : 042A 26

Supplier : Euclid Canada

2835 Grande-Allée

St-Hubert, QC J4T 2R4

Telephone : 1-800-667-0920 Emergency Phone: : (613) 996-6666

Product use : Curative

**Preparation Information** 

Prepared by: : Sewnauth Raghunandan

Date: : 12/14/2010 Telephone : (416) 421-3300

#### **SECTION 2 - HAZARDS IDENTIFICATION**

#### **Emergency Overview**

Gray. Liquid. May cause slight irritation to the respiratory system. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel.

### **Acute Potential Health Effects/ Routes of Entry**

Inhalation : May cause slight irritation to the respiratory system.

Eyes : Vapors or liquid may cause tearing, blurred vision, severe irritation, and possible chemical

burns.

Ingestion : May cause gastrointestinal irritation, nausea, and vomiting. May cause chemical burns to

stomach, mouth, nose, and throat.

Skin : May cause itching, reddening, inflammation. May cause severe burns, blistering and skin

damage. May cause sensitization resulting in irritation, itching and redness. May cause a

rash.

### **Aggravated Medical Conditions**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

# **Chronic Health Effects**

May cause sensitization by contact. Prolonged skin contact may cause irritation, burns or dermatitis. Repeated overexposure to vapors and/or material may injure the liver, kidneys and respiratory system unless suitable engineering controls and/or personal protective equipment are used. May aggravate persons sensitized to amines. Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust





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above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. Repeated inhalation of nonyl phenol may cause lung damage. Repeated skin contact with nonyl phenol may cause skin irritation and dermatitis. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

### **SECTION 3: HAZARDOUS INGREDIENTS**

Chemical Name	CAS-No.	Weight % Range	
4-Nonylphenol	84852-15-3	15.0 - 40.0	
N Amino ethyl piperazine	140-31-8	10.0 - 30.0	
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	0.1 - 1.0	
in the second of			

The ingredients listed above are hazardous as defined in the controlled products regulation. (CPR).

### **SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

Move to fresh air. If required, artificial respiration or administration of oxygen can be Inhalation

performed by trained personnel.

Eye contact Flush with water for at least 15 minutes while holding eye lids apart. Get medical

attention immediately.

Skin contact Clean area of contact thoroughly using soap and water. If irritation, rash or other

disorders develop, get medical attention immediately.

Ingestion Do not induce vomiting unless advised by a physician. Call nearest Poison Control

Center or Physician immediately.

### **SECTION 5: FIRE / EXPLOSION HAZARDS**

> 200 °F, > 93 °C Flash point Setaflash Closed Cup Method

Lower explosion limit Not available. Upper explosion limit Not available. Autoignition temperature Not available.

Means of Extinction If water fog is ineffective, use carbon dioxide, dry chemical or foam.

Hazardous combustion

products

Carbon monoxide and carbon dioxide can form. Smoke, fumes. Nitrogen

oxides can form.

Protective equipment for Use accepted fire fighting techniques. Wear full firefighting protective firefighters

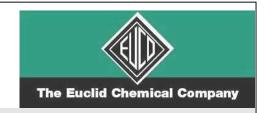
clothing, including self-contained breathing apparatus (SCBA).

Fire and explosion conditions Product may ignite if heated in excess of its flash point. Vapors may

travel to sources of ignition and flashback. Vapor concentrations in enclosed areas may ignite explosively. Empty containers may contain

ignitable vapors.

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#### SECTION 6 - SPILLS / LEAKS / ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

# **SECTION 7 - HANDLING AND STORAGE**

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not smoke, weld, generate sparks, or use flame near container. Do not use in confined or poorly ventilated areas. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Store under dry warehouse conditions away from heat and all ignition sources.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Personal protection equipment

Respiratory protection : Wear NIOSH/MSHA approved vapor respirator with appropriate cartridge

when the vapor concentration is expected to exceed exposure limits indicated

on the MSDS. Follow manufacturer's directions for respirator use.

Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to

reduce exposure.

Eye protection : Wear chemical safety goggles and/or face shield to prevent eye contact. Do

not wear contact lenses. Do not touch eyes with contaminated body parts or

materials. Have eye washing facilities readily available.

Skin and body protection : Prevent contact with shoes and clothing. Use rubber apron and overshoes.

Protective measures : Inspect and replace equipment at regular intervals. Use professional judgment

in the selection, care, and use.

Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed

areas. Use local exhaust when the general ventilation is inadequate.

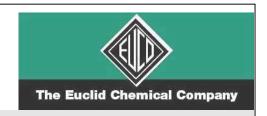
#### **Exposure Limits**

Chemical Name	CAS Number	Regulation	<u>Limit</u>	<u>Form</u>
4-Nonylphenol	84852-15-3			
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	Ontario TWAEV: ACGIH TWA:	0.10 mg/m3 0.025 mg/m3	Respirable fraction. Respirable fraction.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid Form : Liquid Color : Gray

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Odor : Mild mercaptan odor

pH : 8-9

Vapour pressure : Not available.

Vapor density : Heavier than air

Melting point/range : Not available.

Freezing point : Not available.

Boiling point/range : Not available.

Water solubility : Negligible

Evaporation Rate: : Not available.

Specific Gravity : 1.2 % Volatile Weight : 25 %

# **SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid : Oxidizing agents. Epoxies. Isocyanates. Acids.

Stability : Material is stable under normal storage, handling, and use.

Hazardous polymerization : Will not occur under normal conditions.

# **SECTION 11 - TOXICOLOGICAL INFORMATION**

No Data Available

# **SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

#### **SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Disposal Method : Dispose as hazardous waste according to all local, state, federal and provincial

regulations.

#### **SECTION 14 - TRANSPORTATION / SHIPPING DATA**

### TDG / DOT Shipping Description:

**NOT REGULATED** 

#### **SECTION 15 - REGULATORY INFORMATION**

#### **North American Inventories:**



### **EUCO 700 PART B**

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One or more components are listed on the NDSL.

All components are listed or exempt from the TSCA inventory.

This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

#### **Canadian Regulations:**

D2A, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

#### Other Regulations:

When appropriately mixed with the other part, product has a VOC less water and exempt solvent of: 0.00 g/l

### **SECTION 16 - OTHER INFORMATION**

#### **HMIS Rating:**

Health	3	0 = Minimum
Flammability	1	1 = Slight
Reactivity	1	2 = Moderate
PPE		3 = Serious
		4 = Severe

#### Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

#### Prepared by: Sewnauth Raghunandan

#### Legend

ACGIH - American Conference of Governmental Hygienists

DOT - Department of Transportation

DSL - Domestic Substance List

EPA - Environmental Protection Agency

HMIS - Hazardous Materials Information System

IARC - International Agency for Research on Cancer

MSHA - Mine Safety Health Administration

NDSL - Non-Domestic Substance List

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

RCRA - Resource Conservation and Recovery Act

STEL - Short Term Exposure Limit

TLV - Threshold Limit Value

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average

V - Volume

VOC - Volatile Organic Compound

WHMIS - Workplace Hazardous Materials Information System

