

# SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date Prepared : 12/03/2015

MSDS No : XEP25 Part B European 2K Polyester\_ENG

## XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty  
**Product Description:** Hardener for Polyester Finishing Putty, Part B, 36.5 ml / 1.23 fl oz US  
**General Use** : Hardener, curing agent  
**Product Stock/Code** : XEP25 / 4602  
**Chemical Family** : Organic peroxide / Peroxyde organique  
**Molecular Formula** : Mixture / Mélange

#### Manufacturer / Supplier

Dominion Sure Seal Ltd.  
6175 Danville Road, Mississauga  
Ontario, Canada L5T 2H7  
Fax: 905-670-5174  
www.dominionsureseal.com  
**Customer Service:** 905-670-5411

#### Emergency Telephone Numbers (24 hour)

CANUTEC : (613) 996-6666  
CHEMTREC : (800) 424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Eye Irritation, Category 2  
Skin Sensitization, Category 1

##### Physical:

Organic Peroxides, Type E

#### GHS LABEL

Hazardous components for labelling:

##### Benzoyl peroxide



Flame



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H242: Heating may cause a fire.  
H319: Causes serious eye irritation.  
H317: May cause an allergic skin reaction.

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### PRECAUTIONARY STATEMENT(S)

#### Prevention:

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P234: Keep only in original packaging.  
P261: Avoid breathing vapours.  
P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves, protective clothing and eye protection.  
P272: Contaminated work clothing should not be allowed out of the workplace.

#### Response:

- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P370+P378: In case of fire: Use dry chemical or foam to extinguish.

#### Storage:

- P403: Store in a well-ventilated place.  
P410: Protect from sunlight.  
P411+P235: Store at temperatures not exceeding 25°C/77°F. Keep cool.  
P420: Store separately.

#### Disposal:

- P501: Dispose of contents/container in accordance with applicable local, regional and/or national regulations.

### Emergency Overview

#### Immediate Concerns:

Heating may cause a fire. Causes serious eye irritation. Prolonged exposure may cause skin irritation. May cause sensitization by skin contact.

#### Hazards Not Otherwise Classified:

No data available.

**Comments:** < 5 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.  
See sections 9 and 10 for more detailed information on physicochemical effects.  
See section 11 for more detailed information on health effects.  
See sections 12 for more detailed information on environmental effects.

This product is a consumer product and is labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations and US Consumer Product Safety Commission regulations which take precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling. The actual container label will not include the above label elements. The labeling above applies to products used solely for industrial / professional use.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS No.
Benzoyl peroxide	40 - 50	94-36-0
Dimethyl phthalate	40 - 50	131-11-3
Water	10 - 12	7732-18-5

**Comments:** There are no additional ingredients present which, within the current knowledge of the supplier, are

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classified and contribute to the classification of the product and hence require reporting in this section.

### **4. FIRST AID MEASURES**

#### **Eye Contact:**

In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

#### **Skin Contact:**

Not expected to present a significant skin hazard under anticipated conditions of use. Wash with soap and water. Get medical attention if irritation develops or persists.

#### **Ingestion:**

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

#### **Inhalation:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

#### **Signs and Symptoms of Overexposure**

##### **Eye Contact:**

Contact causes serious eye irritation. Symptoms may include pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

##### **Skin Contact:**

Prolonged or repeated contact may cause skin irritation. Allergic skin reactions are possible.

##### **Ingestion:**

May cause irritation. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

##### **Inhalation:**

At room temperature, exposure to vapor is minimal due to low volatility.

#### **Notes to Physician:**

Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

#### **Additional Information:**

No data available.

### **5. FIRE FIGHTING MEASURES**

#### **Flammable Properties:**

Will burn if involved in a fire.

#### **Extinguishing Media:**

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

#### **Hazardous Combustion Products:**

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

#### **Fire Fighting Procedures:**

Containers can build up pressure if exposed to heat (fire).

#### **Fire Fighting Equipment:**

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

#### **Sensitivity to Static Discharge:**

Product is sensitive to static discharge.

#### **Sensitivity to Mechanical Impact:**

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Product is not sensitive to mechanical impact.

### 6. ACCIDENTAL RELEASE MEASURES

#### Small Spill:

Eliminate all ignition sources. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly.

#### Environmental Precautions

##### Water Spill:

Do not flush to sewer.

##### Land Spill:

Avoid runoff into storm sewers and ditches which lead to waterways.

#### Special Protective Equipment:

Clean up spills immediately, observing precautions in Protective Equipment section 8.

### 7. HANDLING AND STORAGE

#### General Procedures:

Ensure thorough ventilation of stores and work areas.

#### Handling:

Do not use in the presence of open flame or spark. Use only in a well ventilated area. Wear recommended personal protective equipment. Keep container closed when not in use. Avoid breathing vapours or mist. Avoid contact with eyes, skin, and clothing. After handling, always wash hands thoroughly with soap and water.

#### Storage:

Store away from heat, sparks, open flames, strong oxidizing agents and direct sunlight. Protect from physical damage. Keep container tightly closed and in a well-ventilated place. Store in a cool place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Guidelines

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		Occupational Exposure Limits					
		OSHA PEL		ACGIH TLV		NIOSH REL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Benzoyl peroxide	TWA	--	5	--	5	--	5
Dimethyl phthalate	TWA	--	5	--	5	--	5

#### Engineering Controls:

Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

#### Personal Protective Equipment

##### Eyes and Face:

Wear safety glasses with side shields (or goggles). Contact lenses should not be worn when working with this product. Eye wash fountains should be readily available to areas of use and handling.

##### Skin Contact:

Wear chemical resistant gloves.

##### Respiratory:

Generally not required.

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### Protective Clothing:

Wear protective clothing as necessary to prevent contact.

### Work Hygienic Practices:

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	: Liquid
<b>Odor</b>	: Pleasant, characteristic
<b>Odor Threshold</b>	: No data available.
<b>Appearance</b>	: Viscous thixotropic paste
<b>Color</b>	: Beige, off-white
<b>pH</b>	: Not Applicable
<b>% Volatiles</b>	: < 12% w/w
<b>Flash Point and Method</b>	: > 140°C (284°F) Closed Cup
<b>Flammable Limits</b>	: No data available.
<b>Autoignition Temperature</b>	: 555°C (1031°F)
<b>Vapor Pressure</b>	: 23 hPa (17 mm Hg) at 20°C
<b>Vapor Density</b>	: No data available.
<b>Boiling Point</b>	: > 100°C (212°F)
<b>Freezing Point</b>	: No data available.
<b>Melting Point</b>	: No data available.
<b>Solubility in Water</b>	: Practically insoluble
<b>Evaporation Rate (n-butyl acetate = 1)</b>	: No data available.
<b>Density</b>	: 1.10±0.02g/ml at 20°C
<b>Viscosity</b>	: No data available.
<b>VOC Content</b>	: 0% w/w
<b>Oxidizing Properties</b>	: None

## 10. STABILITY AND REACTIVITY

**Reactive Hazard** : No

### Hazardous Polymerization:

Not expected to occur.

### Stability:

Stable under normal conditions of use and storage.

### Conditions to Avoid:

Avoid extremes of temperature and direct sunlight.

### Possibility of Hazardous Reactions:

No hazardous reactions known if used for its intended purpose.

**Hazardous Decomposition Products:**

Carbon Monoxide and other toxic vapors.

**Incompatible Materials:** No data available.

**11. TOXICOLOGICAL INFORMATION**

**Product Acute Toxicity**

Chemical Name	ORAL LD <sub>50</sub> mg/kg (rat)	DERMAL LD <sub>50</sub> mg/kg (rabbit)	INHALATION LC <sub>50</sub> mg/l
Benzoyl peroxide	7710(rat) >5000(rat) >2000(mouse) 5700(mouse)	>1000(unspec)	>24.3(rat;4h) (dust)
Dimethyl phthalate	2860(rat) 6800(rat) 4300(mouse) 7200(mouse)	38,000(rat) >23,800(rbt)	Not Applicable

**Acute Toxicity - Dermal LD<sub>50</sub>:** The calculated ATE is >2000 mg/kg.

**Notes:**

Based on available ingredient data, the classification criteria for Acute Dermal Toxicity are not met for this mixture.

**Acute Toxicity - Oral LD<sub>50</sub>:** The calculated ATE is >2000 mg/kg.

**Notes:**

Based on available data, the classification criteria for Acute Oral Toxicity are not met for this mixture.

**Acute Toxicity - Inhalation LC<sub>50</sub>:** The calculated ATE is >20 mg/l/4h (vapours) and >5 mg/l/4h (mists).

**Notes:**

Based on available ingredient data, the classification criteria for Acute Toxicity - inhalation are not met for this mixture.

**Toxicological Data:**

< 5% of the mixture consists of an ingredient or ingredients of unknown acute toxicity.  
No additional toxicology information is available for this product itself. (See Component Toxicity Information).

**Primary Routes of Entry:**

Eye contact. Skin contact.

**Eye Irritation / Serious Eye Damage:**

Contains: Benzoyl peroxide. Contact causes serious eye irritation. The mixture is classified as: Eye Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as eye irritant, category 2). Symptoms may include pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

**Skin Irritation / Corrosion:**

Based on available data, the classification criteria for skin irritation are not met for this mixture. Substance does not generally irritate and is only mildly irritating to the skin. Prolonged or repeated skin contact may cause irritation. Prolonged contact with this product may cause an allergic skin reaction. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash.

**Carcinogenicity**

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Chemical Name	NTP Status	IARC Status	OSHA Status	Other
Benzoyl peroxide	--	3	--	--
Dimethyl phthalate	--	--	--	--

### Notes:

Based on available data, the classification criteria for Carcinogenicity are not met for this mixture (< 0.1% ingredients classified as a Carcinogen, category 1 or 2).

### Specific Target Organ Toxicity - Repeated Exposure:

Based on available data, the classification criteria for Specific Target Organ Toxicity - Repeated Exposure are not met for this mixture (< 1.0% ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 1 or 2).

### Respiratory / Skin Sensitizer.:

Contains: Benzoyl peroxide. May cause sensitization by skin contact. The mixture is classified as: Skin Sensitizer, category 1 based on ingredient data ( $\geq 0.1\%$  ingredients classified as a skin sensitizer, category 1 or sub-category 1A or  $\geq 1.0\%$  ingredients classified as a skin sensitizer, sub-category 1B). Prolonged contact with this product can cause reddening, swelling, rash scaling or blistering. In those who have developed skin sensitization, these symptoms can develop as a result of contact with very small amount of the liquid material.

Based on available data, the classification criteria for respiratory sensitization are not met for this mixture (< 0.1% ingredients classified as a respiratory sensitizer, category 1 or sub-category 1A and < 1.0% ingredients classified as a respiratory sensitizer, sub-category 1B).

### Reproductive Toxicity:

Based on available data, the classification criteria for Reproductive Toxicity are not met for this mixture (< 0.1% ingredients classified as Reproductive Toxicity, category 1 or 2).

### Specific Target Organ Toxicity - Single Exposure:

Based on available data, the classification criteria for Specific Target Organ Toxicity - Single Exposure are not met for this mixture (< 1.0% ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 1 or 2 and < 20% summation of all ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 3).

### Germ Cell Mutagenicity:

Based on available data, the classification criteria for Germ Cell Mutagenicity are not met for this mixture (< 0.1% ingredients classified as Germ Cell Mutagen, category 1A or 1B and < 1.0% ingredients classified as Germ Cell Mutagen, category 2).

### Aspiration Hazard:

Based on available data, the classification criteria for Aspiration Hazard are not met for this mixture (< 10% ingredients classified as an Aspiration Hazard, category 1 and/or mixture viscosity > 20.5 mm<sup>2</sup>/s at 40 °C).

## 12. ECOLOGICAL INFORMATION

### Environmental Data:

No data available.

### Ecotoxicological Information:

No data available.

### Bioaccumulation/Accumulation:

No data available.

### Distribution:

No data available.

### Aquatic Toxicity (Acute):

No data available.

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### Chemical Fate Information:

No data available.

## 13. DISPOSAL CONSIDERATIONS

### Disposal Method:

Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal. Do not discharge substance/product into sewer system.

### Product Disposal:

Empty containers retain product residue; observe all precautions for product. Decontaminate containers prior to disposal.

## 14. TRANSPORT INFORMATION

### DOT (Department of Transportation)

**Proper Shipping Name** : POLYESTER RESIN KIT

**Primary Hazard Class/Division:** 3

**UN/NA Number** : 3269

**Packing Group** : III

### Other Shipping Information:

For products with an inner packaging < 5.0 L, this product may be shipped as a Limited Quantity.

### Vessel (IMO/IMDG)

**Shipping Name** : POLYESTER RESIN KIT

**UN/NA Number** : 3269

**Primary Hazard Class/Division:** 3

**Packing Group** : III

**Marine Pollutant** : Yes

**Note:** For products with an inner packaging < 5.0 L, this product may be shipped as a Limited Quantity.

### Canadian Transportation of Dangerous Goods Regulations

**Shipping Name** : POLYESTER RESIN KIT

**UN/NA Number** : 3269

**Primary Hazard Class/Division:** 3

**Packing Group** : III

### TDG Note:

These Regulations do not apply to the handling, offering for transport or transporting of a polyester resin kit that contains less than 5 L of Class 3, PG III substances and less than 125 mL of Class 5.2 substances in the kit as per Part 1.38.

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA Section 311/312 Hazard Categories

**Fire Hazard** : Yes

**Sudden Release of Pressure** : No

**Reactive Hazard** : No



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**Product Acute Toxicity** : Yes  
**Product Chronic Toxicity** : Yes

### EPCRA Section 313 Toxic Chemicals

Chemical Name	Wt. %	CAS No.
Benzoyl peroxide	40 - 50	94-36-0
Dimethyl phthalate	40 - 50	131-11-3

### EPCRA Section 302 Extremely Hazardous Substances

#### EPCRA Status:

This product contains no listed extremely hazardous substances that are subject to the reporting requirements of SARA Title III, Section 302.

### CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical Name	Wt. %	RQ
Dimethyl phthalate	40 - 50	5,000

### TSCA (The Toxic Substances Control Act)

#### TSCA Status:

All components are included or are otherwise exempt from inclusion on this inventory.

### CAA 112(b) - Hazardous Air Pollutants

#### CAA 112(r) - List of Substances for Accidental Release Prevention:

This product contains no chemicals subject to CAA 112(r).

#### California Proposition 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

#### OSHA Hazard Communication Standard (29 CFR 1910.1200):

OSHA Status: Hazardous Product (See Section 2 for details).

This product has been classified in accordance with the hazard criteria of the USA OSHA Hazard Communication Standard (29CFR 1910.1200) and the Safety Data Sheet contains all the information required by the OSHA Hazard Communication Standard (HazCom 2012).

## CANADA

### WHMIS Hazard Symbol and Classification

See Section 2 for details.

#### WHMIS Regulatory Status:

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

#### WHMIS Classification:

WHMIS 2015 (Canada) Status: Hazardous Product (See Section 2 for details).

### CEPA - National Pollutant Release Inventory (NPRI):

Name	CAS No.	NPRI Part No.
Dimethyl phthalate	131-11-3	1A, 5 (VOC)
Benzoyl peroxide	94-36-0	1A

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### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):

All components are included or are otherwise exempt from inclusion on this inventory.

### Comments

VOC Content -- See section 9.

## 16. OTHER INFORMATION

**Reason for Issue:** NEW

**Approved By:** Jim Gordon      **Title:** R&D Chemist / Chemiste de R&D

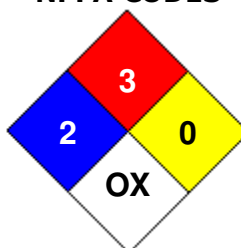
**Prepared By :** Regulatory Compliance / Conformité réglementaire      **Date Prepared:** 12/03/2015

**Information Contact:** 905-670-5411

### HMIS RATING

<b>HEALTH</b>	*	<b>2</b>
<b>FLAMMABILITY</b>		<b>3</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>G</b>

### NFPA CODES



### Manufacturer Supplemental Notes:

None

### Data Sources:

Not Available

### Additional MSDS Information:

N/AV Not Available

N/AP Not Applicable

ND Not yet determined

CAA The Clean Air Act

CCCR The Consumer Chemicals and Containers Regulations

CEPA The Canadian Environmental Protection Act

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

EPCRA The Emergency Planning and Community Right-To-Know Act

IARC International Agency for Research on Cancer

MSHA Mine Safety and Health Administration

NIOSH National Institute for Occupational Safety and Health

NTP National Toxicology Program

OSHA The Occupational Safety and Health Act

SARA The Superfund Amendments and Reauthorization Act

WHMIS Workplace Hazardous Materials Information System

### General Statements:

None

### Comments:

None

### Manufacturer Disclaimer:

The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of this material.