

SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date Prepared : 12/03/2015

SDS No : XEP25 Part B European 2K Polyester_ENG

Date Revised : 10/27/2017

Revision No : 3

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

Classification of the substance or mixture

The classification and label elements stated below were prepared in accordance with the USA OSHA Hazard Communication Standard (29 CFR 1910.1200; Hazcom 2012) and the Canadian WHMIS regulations (Hazardous Products Regulations; WHMIS 2015). This information may be different from the actual product label information for labels that are regulated by other agencies.

Health hazards:

Eye Irritation, Category 2
Skin Sensitization, Category 1

Physical hazards:

Organic Peroxides, Type E

Label elements

Hazardous components for labelling:

Benzoyl peroxide



Flame



Exclamation
mark

Signal Word: WARNING

XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty

Hazard statement(s)

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

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 soap and 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 38°C/100°F. Keep cool.
P420: Store separately.

Disposal:

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

Hazards Not Otherwise Classified: No data available.

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.

Comments: 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.

The actual container label may not include the above label elements. The labeling shown above applies to products used solely for industrial / professional use.

Consumer products should be labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations and US Consumer Product Safety Commission regulations. Consumer product labeling takes precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS number
Benzoyl peroxide	40 - 50	94-36-0
Dimethyl phthalate	40 - 50	131-11-3

XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty

Water (non-hazardous ingredient)	10 - 12	7732-18-5
----------------------------------	---------	-----------

Comments: There are no additional ingredients present which, within the current knowledge of the supplier, are 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: If you experience eye watering, headaches or dizziness, increase fresh air or leave the area.

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: 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.

XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty

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. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. After handling, always wash hands thoroughly with soap and water.

Storage: Store away from heat, sparks, open flames and direct sunlight. Maximum storage temperature should not exceed 38°C (100°F); recommended storage temperature is 30°C (86°F). Keep away from incompatible materials. Keep away from clothing and other combustible materials. Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

OSHA / WHMIS 2015 HAZARDOUS COMPONENTS				
Occupational Exposure Limits				
Chemical Name	Type		ppm	mg/m ³
Benzoyl peroxide	OSHA PEL	TWA	--	5
	ACGIH TLV	TWA	--	5
	NIOSH REL	TWA	--	5
Dimethyl phthalate	OSHA PEL	TWA	--	5
	ACGIH TLV	TWA	--	5
	NIOSH REL	TWA	--	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. Nitrile is recommended. Avoid prolonged or repeated contact with skin.

Respiratory: Generally not required.

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

Physical State	: Liquid
Odor	: Pleasant, characteristic
Odor Threshold	: No data available.
Appearance	: Viscous thixotropic paste
Color	: Beige, off-white

XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty

pH	: Not Applicable
% Volatiles	: < 12% w/w
Flash Point and Method	: Decomposes above 54°C (130°F)
Flammable Limits	: No data available.
Autoignition Temperature	: No data available.
Vapor Pressure	: 23 hPa (17 mm Hg) [water] at 20°C
Vapor Density	: No data available.
Boiling Point	: Decomposes above 54°C (130°F)
Freezing Point	: No data available.
Melting Point	: No data available.
Solubility in Water	: Partial
Evaporation Rate (n-butyl acetate = 1)	: No data available.
Density	: 1.10±0.02g/ml at 20°C
Viscosity	: No data available.
VOC Content	: 0 g/l [0% w/w]
Oxidizing Properties	: Organic peroxide, type E.

10. STABILITY AND REACTIVITY

Reactive Hazard : This product is considered to be non-reactive under normal use conditions. Stable up to 38°C (100°F).

Hazardous Polymerization: Not expected to occur under normal conditions of use and storage.

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: Avoid contact with: organic materials, strong oxidizing agents, accelerators, reducing materials, alcohols, amines, strong acids and strong bases. Avoid any contamination.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	Oral LD ₅₀ mg/kg(rat)	Dermal LD ₅₀ mg/kg(rabbit)	Inhalation LC ₅₀ mg/l
Benzoyl peroxide	7710(rat) >5000(rat) >2000(mouse) 5700(mouse)	No data available.	>24.3(rat;4h;dust) (no deaths)
Dimethyl phthalate	2860(rat) 6800(rat) 4300(mouse) 7200(mouse)	38,000(rat) >23,800(rbt)	Not Applicable

XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty

Acute Toxicity - Dermal LD₅₀: Based on available ingredient data, the classification criteria for Acute Dermal Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute Toxicity - Oral LD₅₀: Based on available ingredient data, the classification criteria for Acute Oral Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute Toxicity - Inhalation LC₅₀: Based on available ingredient data, the classification criteria for Acute Toxicity - inhalation are not met for this mixture. The calculated ATE is >20 mg/l/4h (vapours). At room temperature, exposure to vapor is minimal due to low volatility.

Notes: < 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.

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.

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.

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).

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).

Carcinogenicity

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).

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).

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).

XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty

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 mm²/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.

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: 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 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: 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 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

XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty

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

311/312 Health Hazards: Eye Irritation, Skin Sensitization

311/312 Physical Hazards: Organic Peroxides

Fire Hazard : Yes
Sudden Release of Pressure : No
Reactive Hazard : Yes
Product Acute Toxicity : Yes
Product Chronic Toxicity : Yes

EPCRA Section 313 Toxic Chemicals

Chemical Name	Wt.%	CAS number
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.

XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty

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
Benzoyl peroxide	94-36-0	1A

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 Revised:** 10/27/2017

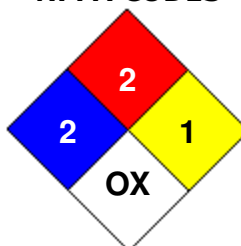
Information Contact: 905-670-5411

Revision Summary: This MSDS replaces the 08/18/2017 MSDS. Revised: **Section 4:** Inhalation. **Section 7:** Handling, Storage. **Section 8:** Personal Protective Equipment - Skin Contact. **Section 9:** Autoignition Temperature, Oxidizing Properties, Solubility in Water. **Section 10:** Hazardous Polymerization, Incompatible Materials, Stable. **Section 11:** Product Acute Toxicity - Inhalation LC₅₀ mg/l. **Section 15:** Reactive Hazard. **Section 16:** HMIS RATING (PHYSICAL HAZARD, PERSONAL PROTECTION), NFPA CODES (Reactive Hazard).

HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		2
PERSONAL PROTECTION	C	

NFPA CODES



NFPA 30 / 30B Storage Classification: NFPA 432 - Class IV

Manufacturer Supplemental Notes: None

Data Sources: Not Available

Additional SDS Information:

N/AV Not Available

N/AP Not Applicable

ND Not yet determined

ACGIH American Conference of Governmental Industrial Hygienists

XEP25 Part B Hardener for EUROPEAN 2K Polyester Finishing Putty

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 Administration
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.