



# PRO-SET® TLG-625-R

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Name	Product identifier	%
Oxirane, 2,2'-[[1-methylethylidene]bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	(CAS No) 25085-99-8	40 -
Phenol, polymer with formaldehyde, glycidyl ether	(CAS No) 28064-14-4	2'
Glass, oxide, chemicals	(CAS No) 65997-17-3	
Silica, amorphous, fumed, crystalline-free	(CAS No) 112945-52-5	
Perlite	(CAS No) 93763-70-3	

The exact chemical identity and/or exact percentage (concentration) of each ingredient may be held as confidential. Any ingredient not disclosed in this section may have been determined not to be hazardous to health or the environment below its disclosure threshold. Refer to Section 15 for additional information regarding this CBI claim.

### SECTION 4: First aid measures

#### Description of first aid measures

##### First-aid measures after inhalation

: If breathing is difficult, remove victim to fresh air. Get medical advice/attention if breathing does not improve.

##### First-aid measures after skin contact

: In case of contact, immediately remove contaminated clothing and shoes. Wash contaminated areas thoroughly with water. Get medical advice/attention if irritation or other symptoms persist.

##### First-aid measures after eye contact

: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if easy to do, and continue to flush. Get medical attention if irritation persists.

##### First-aid measures after ingestion

: If swallowed, do not induce vomiting. Get medical attention if you feel unwell.

#### Most important symptoms and effects, both acute and delayed

##### Symptoms/injuries after inhalation

: May cause respiratory irritation.

##### Symptoms/injuries after skin contact

: Causes skin irritation, drying, defatting and cracking.

##### Symptoms/injuries after eye contact

: Causes eye irritation, discomfort or pain, excess blinking and redness of the conjunctiva.

##### Symptoms/injuries after ingestion

: Causes nausea, vomiting, and abdominal distress.

#### Indication of any immediate medical attention and special handling

Symptoms may not appear immediately (if possible).

Get medical attention immediately (show the label or SDS where available).

### SECTION 5: Fire-fighting measures

#### Extinguishing media

##### Suitable extinguishers

Water, foam, dry chemical.

##### Unsuitable extinguishers

High pressure water stream.

#### Special hazards

##### Fire hazards

Decomposition may include, and are not limited to: oxides of carbon, phenolics.

##### Reactivity

No significant reaction known under conditions of normal use.

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Move upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

### Measures

#### Prevention and emergency procedures

: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### For information

No additional information available.

#### For emergency

No additional information available.

#### Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

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### Methods and material for containment and cleaning up

**For containment** : Stop leak if safe to do so. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for cleaning up** : Scoop up material and place in a disposal container. Provide ventilation.

### Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: Handling and storage

### Precautions for safe handling

**Precautions for safe handling** : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. When mixed with epoxy curing agents this product causes an exothermic reaction, which in large masses, can produce enough heat to damage or ignite surrounding materials and emit fumes and vapors that vary widely in composition and toxicity.

**Hygiene measures** : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. Contaminated work clothing should not be allowed out of the workplace.

### Conditions for safe storage, including any incompatibilities

**Storage conditions** : Keep out of the reach of children. Keep container tightly closed. Store in dry, cool, well-ventilated area. Protect from moisture. Storage temperature : 40°F (4°C) - 120°F (49°C).

## SECTION 8: Exposure controls/personal protection

### Control parameters

Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer (25085-99-8)		
Not applicable		
Phenol, polymer with formaldehyde, glycidyl ether (28064-14-4)		
Not applicable		
Glass, oxide, chemicals (65997-17-3)		
Supplier WEEL	WEEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Silica, amorphous, fumed, crystalline-free (112945-52-5)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (Inhalable) 3 mg/m <sup>3</sup> (Respirable)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> (Amorphous silica) 15 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable fraction)
Perlite (93763-70-3)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (Inhalable fraction) 3 mg/m <sup>3</sup> (respirable fraction)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)

### Exposure controls

**Appropriate engineering controls** : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

**Hand protection** : Wear chemically resistant protective gloves.

**Eye protection** : Wear eye/face protection.

**Skin and body protection** : Wear suitable protective clothing.

**Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Environmental exposure controls** : Maintain levels below Community environmental protection thresholds.

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**Other information** : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

**Physical state** : Solid  
**Appearance** : Paste  
**Colour** : Off-white  
**Odour** : Mild  
**Odour threshold** : No data available  
**pH** : No data available  
**Melting point** : No data available  
**Freezing point** : No data available  
**Boiling point** : > 400 °F (204 °C) Estimated based on ingredient data.  
**Flash point** : > 200 °F (93 °C) Based on ASTM D92 test results from similar product.  
**Relative evaporation rate (butylacetate=1)** : No data available  
**Flammability (solid, gas)** : Non flammable.  
**Vapour pressure** : > 1 mm Hg @ 68 °F (20 °C) Estimated based on ingredient data.  
**Relative vapour density at 20 °C** : No data available  
**Relative density** : 0.87  
**Solubility** : No data available  
**Partition coefficient n-octanol/water** : No data available  
**Auto-ignition temperature** : No data available  
**Decomposition temperature** : No data available  
**Viscosity, kinematic** : No data available  
**Viscosity, dynamic** : No data available  
**Explosive limits** : No data available  
**Explosive properties** : No data available  
**Oxidising properties** : No data available  
**Other information**  
**Bulk density** : 7.25 lb/gal (0.87 kg/L)

### SECTION 10: Stability and reactivity

**Reactivity** : No dangerous reaction known under conditions of normal use.  
**Chemical stability** : Stable under normal storage conditions.  
**Possibility of hazardous reactions** : No dangerous reaction known under conditions of normal use. A mass of more than one pound of product plus an aliphatic amine will cause irreversible polymerization with significant heat buildup. Strong acids, bases, amines and mercaptans can cause polymerization.  
**Conditions to avoid** : Heat. Incompatible materials.  
**Incompatible materials** : Strong acids. Bases. Amines. Mercaptans.  
**Hazardous decomposition products** : May include, and are not limited to: oxides of carbon, phenolics.

### SECTION 11: Toxicological information

#### Information on toxicological effects

<b>Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer (25085-99-8)</b>	
LD50 oral rat	> 15000 mg/kg
LD50 dermal rabbit	> 23000 mg/kg
<b>Phenol, polymer with formaldehyde, glycidyl ether (28064-14-4)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	2000 mg/kg

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Silica, amorphous, fumed, crystalline-free (112945-52-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Glass, oxide, chemicals (65997-17-3)	
LD50 oral rat	> 2000 – 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.

Silica, amorphous, fumed, crystalline-free (112945-52-5)	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified.
Specific target organ toxicity (single exposure)	: Not classified.
Specific target organ toxicity (repeated exposure)	: Not classified.
Aspiration hazard	: Not classified.
Symptoms/injuries after inhalation	: May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/injuries after ingestion	: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

Toxicity	
Ecology - general	: Toxic to aquatic life with long lasting effects.

### Persistence and degradability

PRO-SET® TLG-625-R	
Persistence and degradability	Not established.

### Bioaccumulative potential

PRO-SET® TLG-625-R	
Bioaccumulative potential	Not established.

### Mobility in soil

No additional information available.

### Other adverse effects

Effect on the global warming	: No known effects from this product.
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Ingredient	CAS#	Ecotoxicity Classification Information
Oxirane, 2,2'-[[1-methylethylidene]bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	Aquatic Chronic Cat. 2
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	Aquatic Chronic Cat. 2
Glass, oxide, chemicals	65997-17-3	Not classified.
Silica, amorphous, fumed, crystalline-free	112945-52-5	Not classified.
Perlite	93763-70-3	Not classified.

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**Other information** : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### Waste treatment methods

**Product/Packaging disposal recommendations** : Avoid release to the environment. This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

### SECTION 14: Transport information

#### Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG

Not regulated

#### Transport by sea

In accordance with IMDG

UN-No. (IMDG) : 3077  
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Epoxy Resin)  
Class (IMDG) : 9  
Packing group (IMDG) : III  
EmS Number : F-A, S-F  
Marine pollutant : Yes

#### Transport by air

In accordance with IATA

UN-No. (IATA) : 3077  
Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s. (Epoxy Resin)  
Class (IATA) : 9  
Packing group (IATA) : III  
Marine pollutant : Yes

### SECTION 15: Regulatory information

#### Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA)

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

#### Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer (25085-99-8)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
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#### Phenol, polymer with formaldehyde, glycidyl ether (28064-14-4)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
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#### Formaldehyde (50-00-0)

Listed on the United States SARA Section 302  
Subject to reporting requirements of United States SARA Section 313

CERCLA RQ	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb
SARA Section 313 - Emission Reporting	0.1 %

#### Epichlorohydrin (106-89-8)

Listed on the United States SARA Section 302  
Subject to reporting requirements of United States SARA Section 313

CERCLA RQ	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb
SARA Section 313 - Emission Reporting	0.1 %

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Canada WHMIS Confidential Business Information (CBI): The HMIRA number issued for this CBI claim is #10298. The date of filing is 2016-08-09

### International regulations

No additional information available.

### US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

Formaldehyde (50-00-0)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	40 µg/day
Quartz (14808-60-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
Epichlorohydrin (106-89-8)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	Yes	9 µg/day
Perlite (93763-70-3)				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List				
Formaldehyde (50-00-0)				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) List				
Quartz (14808-60-7)				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List				
Epichlorohydrin (106-89-8)				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) List				

## SECTION 16: Other information

Date of issue : 06/01/2015

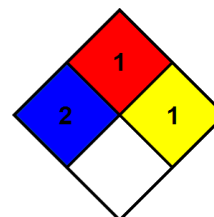
Revision date : 08/23/2016

Other information : None.

NFPA health hazard : 2

NFPA fire hazard : 1

NFPA reactivity : 1



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HMIS III Rating

**Health** : 2 Moderate Hazard

**Flammability** : 1 Slight Hazard

**Physical** : 1 Slight Hazard

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