

## Material Safety Data Sheet

### 1. Product and company identification

**Produce Name:** : NW 75 LT, 665 and NW 75, Coldflex 2000, Coldflex 2000 SA Membranes  
**Material uses** : Refer to the product technical data sheet  
**Supplier/Manufacturer** : Polyguard Products, Inc.  
3801 South Interstate 45  
Ennis, TX 75119  
Tel: (800) 541-4994  
**In case of emergency** : CHEMTREC, US: +1-800-424-9300 International: +1-703-527-3887

### 2. Hazards identification

**Physical state** : Solid  
**Odor** : Asphalt (Slight)  
**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazardous Communication Standard. (29 CFR 1910.1200)  
**Emergency Overview** : CAUTION!  
MAY CAUSE SKIN IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.  
Slightly irritating to the skin. Avoid exposure- obtain special instructions before use. Contains materials that can cause target organ damage. Use only adequate ventilation. Wash thoroughly after handling.

#### Potential acute health effects

**Inhalation** : Slightly irritating to respiratory system if product is heated to a molten state.  
**Ingestion** : No known significant effects or critical hazards.  
**Skin** : Slightly irritating to the skin  
**Eyes** : No known significant effects or critical hazards.

#### Potential chronic health effects

**Chronic effects** : Contains materials that can cause target organ damage.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.  
**Target organs** : Contains material which causes damage to the following organs: skin.  
**Over-exposure signs/symptoms**

**Inhalation** : No specific data.  
**Ingestion** : No specific data  
**Skin** : Adverse symptoms may include the following:  
Irritation  
Redness  
**Eyes** : No specific data

**Medical conditions aggravated by over-exposure** : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (section 11)

### 3. Composition/information on ingredients

United States			
Name		CAS number	%
Petroleum Bitumen		8052-42-4	60-100
Calcium Carbonate		471-34-1	10- 30

Canada			
Name		CAS Number	%
Petroleum Bitumen		8052-42-4	60 - 100
Calcium Carbonate		471-34-1	10- 30

Calcium Carbonate is not in its respirable form and is a constituent of the mixture.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### 4. First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### 5. Fire-fighting measures

**Flammability of the product** : No specific fire or explosion hazard.

#### Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
Carbon dioxide  
Carbon monoxide  
Metal oxides/oxides  
Sulfur oxides  
Low MW hydrocarbons

**Special protective** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-piece operated in positive pressure mode.

### 6. Accidental release measures

- Personal precautions** : No special measures required.
- Environmental precautions**: Not applicable
- Methods for cleaning up** : Due to the physical nature of this product, spills are not possible.

## 7. Handling and storage

**Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where the material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in your eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container on an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse containers.

**Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready to use.. Do not store in unlabeled containers.

## 8. Exposure controls/personal protection

<p><b>Product name</b> Petroleum Bitumen</p> <p><b>Calcium Carbonate</b></p>	<p><b>United States</b> <b>Exposure limits</b> <b>ACGIH TLV ( United States, 1/2008)</b> TWA: 0.5 mg/m<sup>3</sup> 8 hour(s) Form: Fume <b>NIOSH REL ( United States, 12/2001)</b> CEIL: 5 mg/m<sup>3</sup> 15 minute(s). Form: Fume <b>OSHA PEL ( United States, 11/2006)</b> TWA: 5 mg/m<sup>3</sup> 8 hour(s) Form: Respirable fraction TWA: 15 mg/m<sup>3</sup> 8 hour(s) Form: Total dust</p>
<p><b>Product name</b> Petroleum Bitumen</p> <p><b>Calcium Carbonate</b></p>	<p><b>Canada</b> <b>Exposure limits</b> <b>CA Alberta Provincial (Canada, 10/2006).</b> 8 hrs OEL: 5 mg/m<sup>3</sup> 8 hour(s) Form: Fume 8 hrs OEL: 5 mg/m<sup>3</sup> 8 hour(s) <b>CA British Columbia Provincial (Canada, 7/2007).</b> TWA: 0.5 mg/m<sup>3</sup> 8 hour(s), (as benzene- soluble aerosol) 8 hour(s) Form: Inhalable fume. <b>CA Ontario Provincial (Canada, 3/2007).</b> <b>CA Quebec Provincial (Canada, 12/2006).</b> TWAEV: 5 mg/m<sup>3</sup> 8 hour(s). Form: fume <b>CA Alberta Provincial (Canada, 10/2006).</b> 8 hrs OEL: 10 mg/m<sup>3</sup> 8 hour(s) <b>CA Ontario Provincial (Canada, 3/2007).</b> TWAEV: 10 mg/m<sup>3</sup> 8 hour(s) <b>CA Quebec Provincial (Canada, 12/2006).</b> TWAEV: 10 mg/m<sup>3</sup> 8 hour(s). Form: Total dust</p>

*Calcium Carbonate is not in its respirable form and is a constituent of the mixture.*

**Consult local authorities for acceptable exposure limits.**

## 8. Exposure controls/personal protection

<b>Recommended monitoring Procedure</b>	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
<b>Engineering measures</b>	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
<b>Hygiene measure</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Personal protection</b>	
<b>Eyes</b>	: Safety glasses
<b>Skin</b>	: Overalls buttoned to the neck and wrist.
<b>Respiratory</b>	: A respirator is not needed under normal and intended conditions of use.
<b>Hands</b>	: Chemical Resistant gloves
<b>HMIS Code/Personal</b>	: B
<b>Protective equipment</b>	
<b>Environmental exposure Controls</b>	: Emission from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emission to acceptable levels.

## 9. Physical and chemical properties

<b>Physical state</b>	: Solid
<b>Flash point</b>	: Not determined
<b>Odor</b>	: Asphalt (Slight)
<b>VOC</b>	: 0 (g/l)
<b>Solubility</b>	: Insoluble in the following materials: cold water and hot water. Soluble in the following materials: Ketone and aromatic hydrocarbon solvents.

## 10. Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Hazardous polymerization</b>	: Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Materials to avoid</b>	: Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous decomposition</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Conditions of reactivity</b>	: Slightly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge. Non-flammable in the presence of the following materials of conditions: heat.

## 11. Toxicological information

### Acute Toxicity

Product/ingredient name	Species	Dose	Result	Exposure
Calcium Carbonate	Rat	6450 mg/kg	LD 50 Oral	-
<b>Inhalation</b>	: Slightly irritating to respiratory system if product is heated to a molten state.			
<b>Ingestion</b>	: No known significant effects or critical hazards.			
<b>Skin</b>	: Slightly irritating to the skin.			
<b>Eyes</b>	: Slightly irritating to the eyes.			

### Carcinogenicity

#### Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Petroleum Bitumen	A4	3	-	+	-	-

## 12. Ecological information

**Environmental effects** : No known significant or critical hazards.

### Aquatic ecotoxicity

Product/ingredient name	Test	Species	Exposures	Results
Calcium Carbonate	-	Fish	96 hours	Acute LC >56000000 ug /L
<b>Other adverse effects</b>	: No known significant effects or critical hazards.			

## 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable regional, national and local laws and regulations.**

Refer to section 7: **HANDLING AND STORAGE** and section 8: **EXPOSURE CONTROLS/PERSONAL PROTECTION** for additional handling information and protection of employees.

## 14. Transportation information

**AERG** : Not applicable

**Regulatory Information** : Not regulated  
**DOT/TDG/IMDG/IATA**

## 15. Regulatory information

### United States

**HCS Classification** : Target organ effects

**U.S. Federal regulations** : **United States inventory (TSCA 8b)**: All components are listed or exempted.  
**SARA 302/304/311/312 extremely hazardous substance**: No products were found.

## 15. Regulatory information

**SARA 302/304 Emergency Planning and Notification:** No products were found.

**SARA 302/304/311/312 hazardous chemicals:** Petroleum bitumen, Styrene Polymer with 1,3 Butadiene, Calcium Carbonate.

**SARA 311/312 MSDS Distribution- Chemical inventory –hazard identification**

**Petroleum Bitumen:** Fire hazard, immediate (acute) health hazard, delayed (chronic) health hazard;

**Styrene polymer with 1,3 Butadiene:** immediate (acute) health hazard; **Calcium Carbonate:** Immediate (acute) health hazard.

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No product were found.

**Clean Air Act (CAA) 112 accidental release prevention** No products were found.

**Clean Air Act (CAA) 112 regulated flammable substances** No products were found.

**Clean Air Act (CAA) 112 regulated toxic** No products were found.

### State regulations

**Connecticut Carcinogen Reporting:** None of the components are listed.

**Connecticut Hazardous Material Survey:** None of the components are listed.

**Florida substances:** None of the components are listed.

**Illinois Chemical Safety Act:** None of the components are listed.

**Illinois Toxic Substance Disclosure to Employee Act:** None of the components are listed.

**Louisiana Reporting:** None of the components are listed.

**Louisiana Spill:** None of the components are listed.

**Massachusetts Spill:** None of the components are listed.

**Massachusetts Substances:** The following components are listed: Petroleum Bitumen

**Michigan Critical Material:** None of the components are listed.

**Minnesota Hazardous Substance:** None of the components are listed.

**New Jersey Hazardous Substance:** The following components are listed: Petroleum Bitumen

**New Jersey Spill:** None of the components are listed.

**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.

**New York Acutely Hazardous Substances:** None of the components are listed.

**New York Chemical Release Reporting:** None of the components are listed.

**Pennsylvania RTK Hazardous Substances:** The following components are listed: Petroleum Bitumen.

**Rhode Island Hazardous Substances:** None of components are listed.

### California Prop. 65

No product were found

### Canada

#### WHMIS (Canada)

: Not controlled under WHMIS (Canada)

### Canadian lists

: **CEPA Toxic substance:** None of the components are listed.

**Canadian ARET:** None of the components are listed.

**Canadian NPRI:** None of the components are listed.

**Alberta Designated Substances:** None of the components are listed.

**Ontario Designated Substances:** None of the components are listed.

**Quebec Designated Substances:** None of the components are listed.

### Canada Inventory

: All components are listed or exempted.

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

### International regulations

#### International list

: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia ( AICS), in Europe ( EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Phillipines (RA6969).

## 16. Other information

**Label Requirements** : MAY CAUSE SKIN IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.

**Hazardous Material Information System (USA)**

<b>Health -</b>	<b>1</b>	HAZARD RATING
<b>Fire hazard -</b>	<b>0</b>	4- Extreme
<b>Physical Hazard -</b>	<b>0</b>	3-Serious
<b>Personal protection - B</b>		2- Moderate
		1- Slight
		0-Minimal

See section 8 for more detailed Information on personal protection.

**The customer is responsible for determining the PPE code for this material.**

**National Fire Protection Association (USA)**

**: Health - 1**  
**Flammability - 0**  
**Instability - 0**  
**Special -**

**References**

: ANSI Z400.5, MSDS standard, 2004.-Manufacturer's Material Safety Data Sheet- 29CFR Part 1910.1200 OSHA MSDS Requirements.-49 CFR Table List of Hazardous Materials, UN #, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No.2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "ingredient Disclosure List"- Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005.

**Date of Issue**  
**Version**

: 07/30/08  
: 1

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards that exist.**