



# Safety Data Sheet

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 20-May-2015

Revision Number 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code** W11510B  
**Product Name** SWEPCO Guardian Seamless Roof Coating -- Component B

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Roof maintenance/construction

**Uses advised against** Any non-label use

### 1.3. Details of the supplier of the safety data sheet

<b>Importer</b>	<b>Manufacturer</b>	<b>Supplier</b>
NV Southwestern Petroleum Europe SA Industrieweg 6 B-2390 Oostmalle BELGIUM www.swepcolube.com Email: swepco@edpnet.be Fax: 011-323-311-7277 Telephone: 011-323-312-3141	NV Southwestern Petroleum Europe SA Industrieweg 6 B-2390 Oostmalle BELGIUM www.swepcolube.com Email: swepco@edpnet.be Fax: 011-323-311-7277 Telephone: 011-323-312-3141	NV Southwestern Petroleum Europe SA Industrieweg 6 B-2390 Oostmalle BELGIUM www.swepcolube.com Email: swepco@edpnet.be Fax: 011-323-311-7277 Telephone: 011-323-312-3141

### 1.4. Emergency telephone number

**Emergency Telephone** Belgium Office: 011-323-312-3141  
US Office: +01-817-332-2336

### Emergency Telephone - §45 - (EC)1272/2008

Europe	112
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## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

<b>Acute Toxicity - Oral</b>	Category 2 - (H300)
<b>Acute toxicity - Inhalation (Dusts/Mists)</b>	Category 4 - (H332)
<b>Skin Corrosion/Irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 1 - (H318)
<b>Respiratory Sensitization</b>	Category 1 - (H334)
<b>Skin Sensitization</b>	Category 1 - (H317)
<b>Carcinogenicity</b>	Category 2 - (H351)
<b>Specific target organ toxicity (single exposure)</b>	Category 3 - (H335)
<b>Specific target organ toxicity (repeated exposure)</b>	Category 2 - (H373)

### 2.2. Label elements

**Product Identifier**  
SWEPCO Guardian Seamless Roof Coating -- Component B

Contains Polymethylene polyphenylene isocyanate, Methylene bisphenol isocyanate (MDI)

**Signal Word**

Danger

**Hazard statements**

H300 - Fatal if swallowed  
 H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 H318 - Causes serious eye damage  
 H332 - Harmful if inhaled  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 H335 - May cause respiratory irritation  
 H351 - Suspected of causing cancer  
 H373 - May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements - EU (§28, 1272/2008)**

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P310 - Immediately call a POISON CENTER or doctor  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
 P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor  
 P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 P284 - In case of inadequate ventilation wear respiratory protection  
 P280 - Wear eye protection/ face protection  
  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray

**2.3. Other hazards**

0% of the mixture consists of ingredient(s) of unknown toxicity.  
 100 % of the mixture consists of components(s) of unknown hazards to the aquatic environment  
 No other information available.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Chemical Name	EC No.	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Methylene bisphenol isocyanate (MDI)	202-966-0	101-68-8	40 - 50%	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Carc. 2 (H351) STOT SE 3 (H335) STOT RE 2 (H373)	None Required
Polymethylene polyphenylene isocyanate	-	9016-87-9	50 - 60%	No data available	None Required

**Full text of H- and EUH-phrases: see section 16**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No.

1907/2006 (REACH), Article 59)

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Ingestion</b>	Call a physician or Poison Control Center immediately. Do not induce vomiting without medical advice. If vomiting occurs, keep head below hips to prevent aspiration.

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

**Symptoms** No other information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

Dry chemical, foam or carbon dioxide (CO<sub>2</sub>). Cool containers with flooding quantities of water until well after fire is out.

#### **Unsuitable Extinguishing Media**

Do not scatter spilled material with high pressure water streams.

### 5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

#### **Hazardous Combustion Products**

Hydrogen sulfide (H<sub>2</sub>S) may be produced above 250° F (121° C). Decomposition and combustion products may be toxic.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal Precautions**

Ensure adequate ventilation.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

### 6.3. Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Use inert absorbent materials to confine spills and absorb spill.

**Methods for Clean-up** Take up mechanically and collect in suitable container for disposal.

#### 6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### **Handling**

Ensure adequate ventilation.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage**

Keep container tightly closed in a dry and well-ventilated place.

#### **Incompatible Materials**

Carbon dioxide (CO<sub>2</sub>). Water. Acids. Strong oxidizing agents. Strong alkaline materials.

### 7.3. Specific end use(s)

#### **Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### **Exposure limits**

If there are exposure limits set for any components of this product, they will be listed below. Keep in mind, however, that these exposure levels are for pure concentrations of these ingredients:

Chemical Name	EU OEL	United Kingdom	France	Spain	Germany
Methylene bisphenol isocyanate (MDI) 101-68-8			TWA: 0.01 ppm TWA: 0.1 mg/m <sup>3</sup> STEL: 0.02 ppm STEL: 0.2 mg/m <sup>3</sup>	VLA-ED: 0.005 ppm VLA-ED; 0.052 mg/m <sup>3</sup> VLA-ED	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Methylene bisphenol isocyanate (MDI) 101-68-8	-	TWA: 0.005 ppm	-	STEL: 0.035 mg/m <sup>3</sup>	TWA: 0.005 ppm TWA: 0.05 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Methylene bisphenol isocyanate (MDI) 101-68-8	MAK: 0.005 ppm MAK; 0.05 mg/m <sup>3</sup> MAK Ceiling: 0.01 ppm Ceiling (8 X 5 min); 0.1 mg/m <sup>3</sup> Ceiling (8 X 5 min)		NDSP: 0.2 mg/m <sup>3</sup> NDS: 0.05 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup> STEL: 0.07 mg/m <sup>3</sup> STEL: 0.07 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)** No other information available.

**Predicted No Effect Concentration (PNEC)** No other information available.

### 8.2. Exposure controls

#### **Engineering Controls**

Use in well-ventilated area. If user operations generate mist, use process enclosures, local

exhaust ventilation or other engineering controls to control airborne levels below TLV TWA and TLV STEL.

### Personal Protective Equipment

<b>Eye/face Protection</b>	Tightly fitting safety goggles.
<b>Skin Protection</b>	Long sleeved clothing.
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. If personal exposure levels cannot be maintained below recommended exposure limits or if product is applied by spraying, approved respiratory protection should be worn.

**Environmental exposure controls** No other information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	No other information available
<b>Color</b>	Brown
<b>Odor</b>	Weak
<b>Odor Threshold</b>	No other information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No other information available	
<b>Melting point / freezing point</b>	No other information available	
<b>Boiling Point/Range</b>	208 °C	
<b>Flash Point</b>	217 °C	
<b>Evaporation Rate</b>	No other information available	
<b>Flammability (solid, gas)</b>	No other information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No other information available	
<b>Lower flammability limit:</b>	No other information available	
<b>Vapor pressure</b>	No other information available	
<b>Vapor Density</b>	8.6	
<b>Relative density</b>	1.24	
<b>Water Solubility</b>	No other information available	
<b>Solubility in other solvents</b>	No other information available	
<b>Partition coefficient</b>	No other information available	
<b>Autoignition Temperature</b>	No other information available	
<b>Decomposition temperature</b>	No other information available	
<b>Kinematic viscosity @40C</b>	No other information available	
<b>Dynamic viscosity</b>	No other information available	
<b>Explosive Properties</b>	No other information available	
<b>Oxidizing Properties</b>	No other information available	

### 9.2. Other information

<b>Softening Point</b>	No other information available
<b>Molecular Weight</b>	No other information available
<b>Volatiles, % Vol</b>	No data available
<b>Density</b>	No other information available
<b>Bulk Density</b>	No other information available

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions. Hazardous polymerization does not occur.

#### Explosion Data

Sensitivity to static discharge      None.

**10.3. Possibility of hazardous reactions****Hazardous Polymerization**

Polymerization can occur. Contact with moisture or other materials which react with isocyanates or temperatures above 400° F (204° C), may cause polymerization.

**Possibility of Hazardous Reactions**

None under normal processing.

**10.4. Conditions to avoid**

Heat, flames and sparks.

**10.5. Incompatible materials**

Carbon dioxide (CO<sub>2</sub>). Water. Acids. Strong oxidizing agents. Strong alkaline materials.

**10.6. Hazardous decomposition products**

Hydrogen cyanide, benzene, toluene and acetaldehyde may be produced above 500° F (260° C).

**Section 11: TOXICOLOGICAL INFORMATION**
**11.1. Information on toxicological effects****Acute Toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

<b>Inhalation</b>	No data available.
<b>Eye Contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Ingestion</b>	No data available.

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	49.00
<b>ATEmix (dermal)</b>	9,400.00
<b>ATEmix (inhalation-dust/mist)</b>	3.00

**Unknown acute toxicity**

- 100% of the mixture consists of ingredient(s) of unknown toxicity.
- 45 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 45 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Skin Corrosion/Irritation** No other information available.

**Serious eye damage/eye irritation** No other information available.

**Sensitization** No other information available.

**Mutagenic Effects** No other information available.

**Carcinogenic Effects** No other information available.

Chemical Name	EU Carc*
Methylene bisphenol isocyanate (MDI)	Carc. 2

**Reproductive Effects** No other information available.

<b>STOT - single exposure</b>	No other information available.
<b>STOT - repeated exposure</b>	No other information available.
<b>Aspiration hazard</b>	No other information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Unknown Aquatic Toxicity                      100 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

### 12.2. Persistence and degradability

No other information available.

### 12.3. Bioaccumulative potential

No other information available.

### 12.4. Mobility in soil

#### **Mobility in soil**

No other information available.

### 12.5. Results of PBT and vPvB assessment

No other information available.

### 12.6. Other adverse effects

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste from Residues / Unused Products**                      Dispose of in accordance with local regulations.

**Contaminated Packaging**                      Empty containers should be taken for local recycling, recovery or waste disposal.

## Section 14: TRANSPORT INFORMATION

### IMDG/IMO

<b>14.1 UN-No</b>	Not Regulated
<b>14.2 Proper Shipping Name</b>	Not Regulated
<b>14.3 Hazard Class</b>	Not Regulated
<b>14.4 Packing Group</b>	Not Regulated
<b>14.5 Marine Pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No other information available

### RID

<b>14.1 UN-No</b>	Not Regulated
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<b>14.2 Proper Shipping Name</b>	Not Regulated
<b>14.3 Hazard Class</b>	Not Regulated
<b>14.4 Packing Group</b>	Not Regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

**ADR**

<b>14.1 UN-No</b>	Not Regulated
<b>14.2 Proper Shipping Name</b>	Not Regulated
<b>14.3 Hazard Class</b>	Not Regulated
<b>14.4 Packing Group</b>	Not Regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

**IATA**

<b>14.1 UN-No</b>	Not Regulated
<b>14.2 Proper Shipping Name</b>	Not Regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not Regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

## Section 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)  
This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

### 15.2. Chemical safety assessment

No other information available

## Section 16: OTHER INFORMATION

### Key or legend to abbreviations and acronyms used in the safety data sheet

**Full text of H-Statements referred to under section 3**

H332 - Harmful if inhaled  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H317 - May cause an allergic skin reaction  
H351 - Suspected of causing cancer  
H335 - May cause respiratory irritation  
H373 - May cause damage to organs through prolonged or repeated exposure

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)



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STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value
*	Skin designation

**Classification procedure**

Calculation method

**Prepared By**

Regulatory Compliance Department

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008.

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text**

**End of Safety Data Sheet**