

Issue Date 28-February-2018

Revision Date

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** PolyKoat Prime 100 - Part B

### Other means of identification

**Product Code** FG00206

**Synonyms**

### Recommended use of the chemical and restrictions on use

**Recommended Use** Concrete Coating.

**Uses advised against** No Data

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

#### **Manufacturer Address**

Surface Koatings, Inc. 134 Davis Street Portland, TN 37148 Telephone (615) 323-9461

### Emergency telephone number

**Company Phone Number** (615) 323-9461

**24 Hour Emergency Phone Number** 800-535-5053 (United States & Canada), International Call: 1-352-323-3500

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Specific Target Organ Toxicity - Repeated Exposure	Category 1
Acute toxicity	Category 4
Skin Irritation	Category 2
Eye Irritation	Category 2
Skin Sensitization	Category 1
Specific Target Organ Toxicity - Single Exposure	Category 3

### Label elements

#### **Emergency Overview**

#### **Danger**

#### **Hazard statements**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause damage to organs through prolonged or repeated exposure.

Harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.



**Appearance** Transparent Liquid

**Physical state** liquid

**Odor** Slight

**Precautionary Statements - Prevention & Response**

If medical advice is needed, have product container or label at hand. Keep out of reach of children.  
 Read label before use.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 In case of inadequate ventilation wear respiratory protection.  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Contaminated work clothing should not be allowed out of the workplace.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens if present and easy to do. Continue rinsing.  
 Specific treatment (see on this label).  
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Take off contaminated clothing and wash before reuse.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if you feel unwell.  
 Wash contaminated clothing before reuse.  
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 If skin irritation occurs: Get medical advice/attention.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 If eye irritation persists: Get medical advice/attention.  
 Get medical advice/attention if you feel unwell.  
 IF ON SKIN: Wash with plenty of soap and water.  
 Store locked up.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Precautionary Statements - Storage**

Store in well-ventilated place. Keep Cool. Keep container tightly closed. Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local/regional/national regulations.

**Other Information**

Contains isocyanates. May produce an allergic reaction.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

Chemical Name	CAS No.	Weight-%	Trade Secret
4,4'-methylenediphenyl diisocyanate	101-68-8	n/a	*
Modified MDI	25686-28-6	n/a	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**Description of first aid measures**

<b>General advice</b>	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
<b>Eye contact</b>	IF IN EYES: Immediately remove contact lenses if possible.
<b>Skin contact</b>	IF ON SKIN (or hair): Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
<b>Inhalation</b>	IF INHALED: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
<b>Ingestion</b>	IF SWALLOWED: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

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

**Symptoms** Breathing difficulty. Danger of impaired breathing.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat skin and mucous membrane with antihistamine and corticoid preparations. For additional information, see Safety Data Sheet.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

CO<sub>2</sub>, powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Unsuitable extinguishing media** Not available.

**Specific hazards arising from the chemical**

No further relevant information available.

**Hazardous combustion products** Not available.

**Explosion data**

**Sensitivity to Mechanical Impact** Not available.

**Sensitivity to Static Discharge** Not Available.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and fully protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use respiratory protective device against the effects of fumes/dust/aerosol.  
Ensure adequate ventilation

**Environmental precautions**

**Environmental precautions** Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up**

**Methods for containment & Clean up** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid breathing fumes from hot material. Use with local exhaust ventilation. Avoid inhalation of vapor or mist. Avoid contact with eyes. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Incompatible materials** Store away from food items.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** 4,4'-methylenediphenyl diisocyanate CAS# 101-68-8 PEL (USA) Short term value: C 0.2 mg/m<sup>3</sup>, C 0.02 ppm REL (USA) Short term value: C 0.2\* mg/m<sup>3</sup>, C 0.02\* ppm Long term value: 0.05 mg/m<sup>3</sup>, 0.005 ppm TLV 0.051 mg/m<sup>3</sup>, 0.005 ppm

**Appropriate engineering controls**

**Engineering Controls** General/Local Ventilation Recommended.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.

**Respiratory protection** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day. Keep away from food items, beverages, and feed.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Slight - Characteristic
<b>Appearance</b>	Transparent Liquid	<b>Odor threshold</b>	No data available
<b>Color</b>	Transparent Brown Liquid		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
pH	Not Established	

<b>Melting point / freezing point</b>	Not Established	
<b>Boiling point / boiling range</b>	Not Established	
<b>Flash point</b>	Not Relevant	CC (closed cup)
<b>Evaporation rate</b>	Not Established	
<b>Flammability (solid, gas)</b>	Not Relevant	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	Not Established	
<b>Lower flammability limit:</b>	0.4 Vol %	
<b>Vapor pressure</b>	Not Established	
<b>Vapor density</b>	Not Established	
<b>Density at 20° C</b>	1.1 g/cm <sup>3</sup>	
<b>Water solubility</b>	Fully Soluble	Insoluble in water
<b>Solubility in other solvents</b>	Not Established	
<b>Partition coefficient</b>	Not Established	
<b>Autoignition temperature</b>	Not Established	
<b>Decomposition temperature</b>	Not Established	
<b>Kinematic viscosity</b>	Not Established	
<b>Dynamic viscosity</b>	Not Established	
<b>Explosive properties</b>	Not Established	
<b>Oxidizing properties</b>	Not Established	

**Other Information**

<b>Softening point</b>	Not Established
<b>Molecular weight</b>	Not Established
<b>VOC Content (%)</b>	0 g/L
<b>Density</b>	Not Established
<b>Bulk density</b>	Not Established

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not Available

**Chemical stability**

No thermal decomposition if used and stored according to specifications.

**Possibility of Hazardous Reactions**

Reacts with strong oxidizing agents, inorganic acid chlorides, strong acids, strong alkali, and amines. Exothermic polymerization.

**Conditions to avoid**

No further relevant information available.

**Incompatible materials**

No further relevant information available.

**Hazardous Decomposition Products**

Poisonous gases/vapors, carbon monoxide and carbon dioxide, hydrogen cyanide (prussic acid), nitrogen oxides, and isocyanate.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Direct contact and vapor inhalation.
<b>Eye contact</b>	Direct contact.
<b>Skin contact</b>	Direct contact.

**Ingestion** Direct contact.

**Information on toxicological effects**

**Symptoms** May cause drowsiness or dizziness if inhaled. May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes. Risk of serious damage to eyes.
<b>Irritation</b>	Irritating to eyes, respiratory system and skin.
<b>Sensitization</b>	Possible through inhalation and skin contact.
<b>Germ cell mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	No data available.
<b>Reproductive toxicity</b>	Not Available.
<b>STOT - single exposure</b>	Not Available.
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged/repeated exposure.
<b>Aspiration hazard</b>	Not Available.

**Numerical measures of toxicity - Product Information**

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Persistence and degradability**

No data available.

**Bioaccumulation**

No data available.

**Other adverse effects**

Water hazard class 2 (GER) slightly hazardous for water. Do not allow undiluted product in large quantities to reach ground water, water course, or sewage system.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT**

Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	No data available
<b>ENCS</b>	No data available
<b>IECSC</b>	No data available
<b>KECL</b>	No data available
<b>PICCS</b>	No data available
<b>AICS</b>	No data available

**Legend:**

All ingredients are on the inventory or fall under the polymer exemption or are on the no longer polymer list.  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain the following chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**4,4'-methylenediphenyl diisocyanate CAS# 101-68-8**

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b><u>NFPA</u></b>	Health hazards 2	Flammability 0	Instability 0	Physical and Chemical Properties -
<b><u>HMIS</u></b>	Health hazards 2	Flammability 0	Physical hazards 0	Personal protection X

**Issue Date** 28-February-2018

**Revision Date**

**Revision Note**

No data available

**Disclaimer**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**