



# Sika Corporation

## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Material Identification

Product Name: SIKAFLOOR 310 PART R  
Product Use: Paint product.  
Print date: 30/Aug/2008  
Revision Date: 30/Aug/2008

#### Company Identification

Sika Corporation  
201 Polito Avenue  
Lyndhurst, NJ 07071  
Manufacturer's Phone: 1-201-933-8800

#### 24-Hour Medical Emergency Phone:

CHEMTREC - In US: 1-800-424-9300; International: 703-527-3887

### 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Common Name CAS-No.	Approx. Weight %	Chemical name
MIXTURE	70 - 95	POLYISOCYANATE PREPOLYMER
PROPYLENE CARBONATE 108-32-7	1 - 5	Propylene carbonate
ETHER 88917-22-0	1 - 5	PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE

If this section is blank there are no hazardous components per OSHA guidelines.

### 3. HAZARDS IDENTIFICATION

#### Primary Routes of Exposure:

Inhalation  
Ingestion  
Skin absorption

#### Emergency Overview:

This section not in use.

**This product contains ingredients that may contribute to the following potential acute health effects:**

#### Inhalation Effects:

Overexposure may cause allergic respiratory reaction, asthmatic attack and/or reaction. May cause irritation of the respiratory tract. Overexposure may result in pulmonary edema. This product contains ingredients which may produce an allergic respiratory response. Treat as a respiratory sensitizer. Difficulty in breathing. Bronchitis or Bronchial spasms.

#### Eye Contact:

May cause moderate eye irritation. May irritate eyes.

#### Skin Contact:

May cause skin irritation. Contains a component which is a known or suspected skin sensitizer.

**Acute Ingestion:**

Harmful if swallowed.

**Other Effects:**

None known

**This product contains ingredients that may contribute to the following potential chronic health effects:**

Overexposure may cause allergic respiratory reaction. Chronic overexposure to isocyanates may cause lung damage which may be permanent. Overexposures may cause certain individuals to develop isocyanate sensitization which causes a reaction in isocyanates below the TLV. Effects may be permanent. Prolonged skin contact with very large amounts may cause drowsiness. Possible sensitization.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

## 4. FIRST AID MEASURES

**Inhalation:**

If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention. Contact a physician immediately. Move person to fresh air.

**Eye Contact:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean contaminated shoes. Flush with large amounts of water; use soap if available.

**Ingestion:**

If swallowed, get medical attention immediately. If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

**Medical conditions aggravated by exposure:** Any respiratory or skin condition.

## 5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	190° F ( 88° C) TCC/PM
Lower explosive limit:	1.21 %
Upper explosive limit:	5.35 %
Autoignition temperature:	Not available. ° F ( ° C)
Sensitivity to impact:	No.
Sensitivity to static discharge:	Not typically sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.
Hazardous combustion products:	See Section 10.

**Unusual fire and explosion hazards:**

None known.

**Extinguishing media:**

Carbon dioxide, dry chemical, foam and/or water fog.

**Fire fighting procedures:**

Use water spray to cool nearby containers and structures exposed to fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Action to be taken if material is released or spilled:

Ventilate area. Avoid breathing of vapors. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 5, "Unusual Fire and Explosion Hazards", for proper container and storage procedures. Avoid all personal contact.

## 7. HANDLING AND STORAGE

### Precautions to be taken in handling and storage:

Keep away from heat, sparks, and flames. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

## 8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

### Personal Protective Equipment

#### Eye and face protection:

Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

#### Skin protection:

Gloves: Neoprene or other nonporous. Neoprene or plastic apron and protective clothing covering exposed skin areas.

#### Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

#### Ventilation

Required when spraying or applying in confined area. Ventilation equipment should be explosion proof.

### Exposure Guidelines

#### OSHA Permissible Exposure Limits (PEL's)

#### ACGIH Threshold Limit Value (TLV's)

If this section is blank, no information is available.

## 9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	Liquid
pH:	Not determined.
Vapor pressure:	Not determined. mmHG @ 68° F ( 20° C)
Vapor density (air = 1.0):	6.6
Boiling point:	408° F ( 209° C)
Solubility in water:	Insoluble.
Coefficient of water/oil distribution:	Not determined.
Density (lbs per US gallon):	9.49
Specific Gravity:	1.14
Evaporation rate (butyl acetate = 1.0):	Not determined.

## 10. STABILITY AND REACTIVITY

Stability:	unstable
Conditions to Avoid:	Heat. Heat or contact with peroxides or other catalysts.
Incompatibility:	None known.
Hazardous Polymerization:	May occur.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide. Nitrogen compounds.

**Sensitivity to static discharge:** Not typically sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.

## 11. TOXICOLOGICAL INFORMATION

**Mutagens:**

**Teratogens:**

**Carcinogens:**

If this section is blank, no information is available.

## 12. ECOLOGICAL DATA

Not available at this time.

## 13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

### U.S. Department of Transportation

Proper Shipping Name:	PAINT
Hazard Class:	COMBUSTIBLE LIQUID
UN ID Number:	UN1263
Packing Group:	III

### U.S. Highway & Rail Shipments

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

### International Air Transport Association:

Proper Shipping Name:	PAINT, NOT REGULATED
UN ID Number:	NRPAIN

### International Maritime Organization:

Proper Shipping Name:	PAINT, NOT REGULATED
Non-Bulk UN ID Number:	NRPAIN

## 15. REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS:**

**SARA 311/312 Hazard Class:**

Acute: Yes  
Chronic: Yes  
Flammability: Yes  
Reactivity: No  
Sudden Pressure: No

**U.S. STATE REGULATIONS:**

**Pennsylvania Right To Know:**

PROPYLENE CARBONATE	108-32-7
PROPRIETARY RESIN	Trade Secret
ETHER	88917-22-0

**Rule 66 status of product**

Photochemically reactive.

**INTERNATIONAL REGULATIONS - Chemical Inventories**

**TSCA Inventory:**

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

**Canada Domestic Substances List:**

Not all components in this product are listed on the Domestic Substances List.

**16. OTHER INFORMATION**

**HMIS Codes**

Health:	2*
Flammability:	2
Reactivity:	2
PPE:	C

**Abbreviations:**

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

**Disclaimer:**

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