



## Safety Data Sheet

### Section 1 - Chemical Product and Company Information

Product Name: Smith's Poly Flex Part B Product Code: Poly Flex Part B

Trade Name: Poly Flex Part B

Manufactured by:  
Smith Paint Products  
2200 Paxton Street  
Harrisburg, PA 17111  
(800) 466-8781

Chemtrec  
2900 Fairview Park Drive  
Falls Church, VA 22042-4513  
(800) 262-8200

Emergency Hot Line:  
(800) 424-9300

### Section 2 - Hazards Identification

#### GHS Ratings:

Inhalation Toxicity	4	Gases>2500+<=20000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >=2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation

#### GHS Hazards

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

#### GHS Precautions

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash ... thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P285	In case of inadequate ventilation wear respiratory protection
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see ... on this label)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water

P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P337+P313	If eye irritation persists, get medical advice/attention
P342+P311	Call a POISON CENTER or doctor/physician
P405	Store locked up
P403+P233	Store in a well-ventilated place. Keep container tightly closed
P501	Dispose of in accordance with all applicable local, state and federal regulations.

Signal Word: Danger



### Section 3 - Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
diphenylmethane diisocyanate, isomeres and homologues	9016-87-9	100.00%

### Section 4 - First Aid Measures

• **Description of first aid measures**

• **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

• **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

• **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:** Do not induce vomiting; immediately call for medical help.

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

No further relevant information available.

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

No further relevant information available.

### Section 5 - Fire Fighting Measures

Flash Point: 201 C (394 F)

LEL:

UEL:

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire fighting measures that suit the environment.

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:**

Mount respiratory protective device.

Wear self-contained respiratory protective device.

## Section 6 - Accidental Release Measures

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Wear protective clothing.

· **Environmental precautions:** No special measures required.

· **Methods and material for containment and cleaning 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.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## Section 7 - Handling and Storage

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with the eyes.

· **Information about protection against explosions and fires:** No special measures required.

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

· **Storage:**

· Requirements to be met by storerooms and receptacles: No special requirements.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

Protect from frost.

Store in dry conditions.

Keep receptacle tightly sealed.

· **Specific end use(s)** No further relevant information available.

## Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
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diphenylmethane diisocyanate, isomeres and homologues 9016-87-9	Not Established	Not Established	Not Established
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· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:** Not required.

· Additional information: The lists that were valid during the creation were used as basis .

· **Exposure controls**

· **Personal protective equipment:**

· General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· Breathing equipment:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation .

· Protection of hands: Not required.

· Material of gloves

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Eye protection:

Tightly sealed goggles

· Body protection: Protective work clothing

## Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstance:

<p><b>Appearance:</b> Brown Fluid</p> <p><b>Vapor Pressure:</b> 11 hPa (8 mm Hg)</p> <p><b>Vapor Density:</b> Not determined</p> <p><b>Density:</b> 1.22 g/cm<sup>3</sup></p> <p><b>Boiling point:</b> Undetermined</p> <p><b>Evaporation rate:</b> Not determined</p> <p><b>Explosive Limits:</b> Not determined</p> <p><b>Autoignition temperature:</b> Not determined</p> <p><b>Viscosity:</b> 90 mPas</p>	<p><b>Odor:</b> Weak, characteristic</p> <p><b>Odor threshold:</b> Not determined</p> <p><b>pH:</b> Not determined</p> <p><b>Solubility:</b> Not miscible or difficult to mix</p> <p><b>Flash point:</b> &gt;201°C (&gt;500°F)</p> <p><b>Flammability:</b> Not applicable</p> <p><b>Partition coefficient (n-octanol/water):</b> Not determined</p> <p><b>Decomposition temperature:</b> &gt;260°C (&gt;500°F)</p> <p><b>Grams VOC less water:</b> 0</p>
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## Section 10 - Stability and Reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications. a  
STABLE

**Incompatibilities/Conditions to avoid:** No further relevant information available.

**Hazardous Decomposition:** No decomposition if used according to specifications.

No Data Available

Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

### Acute toxicity:

*LD/LC50 values that are relevant for classification:*

#### 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

Oral LD50 > 2000 mg/kg (Ratte)

Dermal LD50 > 9400 mg/kg (rab) (OECD- Prüfrichtlinie 402)

Inhalative LC50/48 h 490 mg/l (Ratte) (als Aerosol, Exposition)

· *Primary irritant effect:*

· *on the skin:* Irritant to skin and mucous membranes.

· *on the eye:* Irritating effect.

· *Sensitization:*

Sensitization possible through inhalation.

Sensitization possible through skin contact.

### Carcinogenic categories

· *IARC (International Agency for Research on Cancer)*

9016-87-9 diphenylmethanediisocyanate, isomers and homologues 3

· *NTP (National Toxicology Program)*

Substance is not listed.

· *OSHA-Ca (Occupational Safety & Health Administration)*

Substance is not listed.

## Section 12 - Ecological Information

### Toxicity

· **Aquatic toxicity:**

#### 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

EC50 >1000 mg/l (Daphnia magna Wasserfloh) (OECD-Prüfrichtlinie 202)

LC0 >1000 mg/l (Fisch) (96h)

· **Persistence and degradability** No further relevant information available.

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· *General notes:* Not known to be hazardous to water.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

### Component Ecotoxicity

## Section 13 - Disposal Considerations

**Recommendation:** Contact waste processors for recycling information.

Liquid product must not be disposed of together with household garbage. Do not allow product to reach sewage system. If product has aged or solidified conventional means of disposal are acceptable.

**Uncleaned packagings Recommendation:** Disposal must be made according to official regulations.

## Section 14 - Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
ADR/RID	Void			
DOT	Void			
IATA	Void			
IMDG	Void			

## Section 15 - Regulatory Information

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

- *Sara*
- *Section 355 (extremely hazardous substances):*  
Substance is not listed.
- *Section 313 (Specific toxic chemical listings):*  
Substance is listed.
- *TSCA (Toxic Substances Control Act):*  
Substance is listed.
- *Proposition 65*
- *Chemicals known to cause cancer:*  
Substance is not listed.
- *Chemicals known to cause reproductive toxicity for females:*  
Substance is not listed.
- *Chemicals known to cause reproductive toxicity for males:*  
Substance is not listed.
- *Chemicals known to cause developmental toxicity:*  
Substance is not listed.
- *Canadian Ingredient disclosure list*
- *Limit 0,1%*  
Substance is not listed.
- *Limit 1%*  
Substance is not listed.
- *Carcinogenity categories*
- *EPA (Environmental Protection Agency)*  
9016-87-9 diphenylmethanediisocyanate, isomeres and homologues CBD
- *TLV (Threshold Limit Value established by ACGIH)*  
Substance is not listed.
- *MAK (German Maximum Workplace Concentration)*  
9016-87-9 diphenylmethanediisocyanate, isomeres and homologues 4
- *NIOSH-Ca (National Institute for Occupational Safety and Health)*  
Substance is not listed.
- **Product related hazard informations:**
- *Hazard symbols:*  
The product has been classified and marked in accordance with directives on hazardous materials.
- *Safety phrases:* Keep out of the reach of children.
- **National regulations:**
- *Technical instructions (air):*  
*Class Share in %*  
I 50-100
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
- **State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** WARNING!  
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:  
No Data Available

### R2K List

No Data Available

## Section 16 - Other Information

The material contained in this Safety Data Sheet is based on information supplied to Smith Paint Products by the raw material suppliers of the individual components of this product. Smith Paint Products believes this information is truthful and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and health and safety of your employees and users of this material. As more information becomes available from our vendors additional revisions will be forthcoming.

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