



Safety Data Sheet

Section 1 - Chemical Product and Company Information

Product Name: Smith's Polyurethane WB Part B Gloss/Low Sheen Product Code: SCS-POLYWB-B

Trade Name: Smith's Polyurethane WB Part B Gloss/Low Sheen

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

Chemtec
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	2	Gases>100+<=500ppm, Vapors>0.5+<=2mg/l, Dusts&mists>0.05+<=0.5mg/l
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer

GHS Hazards

H317	May cause an allergic skin reaction
H330	Fatal if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

GHS Precautions

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
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
P321	Specific treatment (see ... on this label)
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P342+P311	Call a POISON CENTER or doctor/physician
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 %
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE	28182-81-2	80.00% - 90.00%
HOMOPOLYMER OF ISOPHORONE DIISOCYANATE	53880-05-0	11.00%
Polyoxyethylene Tridecyl Ether Phosphate	9046-01-9	1.00% - 5.00%
Dimethylcyclohexylamine	98-94-2	1.00% - 5.00%

Section 4 - First Aid Measures

After inhalation: Move the person away from the contaminated area. Fresh air and rest. Seek immediate medical advice. Show this sheet to the doctor.

After eye contact: Immediately rinse with plenty of running water for a prolonged period, (at least 15 minutes) while keeping the eyes wide open. If irritation persists, consult a doctor. Show this sheet to the doctor.

After skin contact: Wash with soap and water. Wash immediately and thoroughly for a prolonged period (at least 15 minutes). In case of inflammation (redness, irritation, ...) obtain medical attention. Place contaminated clothing in a sealed bag for disposal.

After swallowing: NEVER attempt to induce vomiting. Rinse mouth out with water. Do not give anything to drink. If necessary seek medical advice. Show this sheet to the doctor.

Section 4 - First Aid Measures

Flash Point: N/A

LEL:

UEL:

Suitable extinguishing agents: Foam Powders Carbon dioxide Dry chemical

For safety reasons unsuitable extinguishing agents: Water

Combustible. During combustion toxic vapors are released. Under fire conditions, corrosive fumes are emitted: oxides of nitrogen oxides of carbon. Reacts with water releasing large amounts of carbon dioxide which may cause pressure build-up in confined spaces.

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Avoid contact with the eyes and skin.
- Do not breathe gas.
- Do NOT approach from DOWNWIND.
- Do NOT attempt to take action WITHOUT suitable protective equipment.
- Self-contained breathing apparatus.
- Wear fully protective suit.
- Mark out the contaminated area with signs and prevent access to unauthorized personnel.
- Keep people at a distance and stay upwind.

Environmental precautions:

- Contain the spilled material by binding.
- Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
- Pump up the product into a spare container suitably labelled.
- Wash contaminated area with large amounts of water.

- Recover the cleaning water for subsequent disposal.
- Dispose contaminated material as waste according to item 13.
- Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

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/aspiration at the workplace.
- Avoid contact with water or humidity.
- Avoid any direct contact with the product.
- Any measure to eliminate exposure should be considered.
- Very high level of containment required, except for short term exposures e.g. taking samples (industrial use condition).
- Comply with instructions for use (refer to technical sheet).

Storage:

- The floor of the depot should be impermeable and designed to form a water-tight basin.
- Store in cool, dry conditions in well sealed receptacles.
- Store receptacle in a well ventilated area.
- Store away from incompatible materials.

Requirements to be met by storerooms and receptacles:

- Store only in unopened original receptacles.
- Metallic drums.
- Storage tank with a dry nitrogen blanket.
- Packaging materials recommended : Aluminium. Steel.
- Unsuitable material for receptacle: Copper.
- Unsuitable material for receptacle: Tin
- Suitable material for receptacle and pipe: epoxy-coated steel.
- Unsuitable material for receptacle: Polystyrene.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE 28182-81-2	Not Established	Not Established	Not Established
HOMOPOLYMER OF ISOPHORONE DIISOCYANATE 53880-05-0	Not Established	Not Established	Not Established
Polyoxyethylene Tridecyl Ether Phosphate 9046-01-9	Not Established	Not Established	Not Established
Dimethylcyclohexylamine 98-94-2	Not Established	Not Established	Not Established

Protective gloves:

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation . Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Suitable materials also with prolonged, direct contact (protective index 6, corresponding > 480 minutes of permeation time): Butyl rubber, BR Protective gloves must be chosen according to the function of the work station: other chemicals which may be handled, physical protection necessary (resistance to cutting, puncture, heat), dexterity required.

Eye protection:

- Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.
- Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area.

Body protection: Protective work clothing

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstance:

Appearance Liquid VOC 83.9 % Specific Gravity (SG) 1.087	Physical State Liquid Boiling Point 160 °C, 320 °F Lbs VOC/Gallon Less Water 0.00
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Section 10 - Stability and Reactivity

Chemical stability: Stable at ambient temperature
 STABLE

Possibility of hazardous reactions Reacts with:

- water and aqueous solutions.
- alcohols.
- amines.
- bases.
- protic solvents. with a great release of CO₂, and hence a risk of a pressure build-up in confined areas, and forms an insoluble solid precipitate.
- Reacts with strong acids
- Reacts with strong oxidizing agents

Hazardous decomposition products: On thermal decomposition (pyrolysis) releases: Toxic gases. Nitrogen oxides
 Carbon oxides (CO + CO₂)

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 2,487mg/kg
 Inhalation Toxicity LC50: 1mg/L

Component Toxicity

28182-81-2	HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE Oral LD50: 2,500 mg/kg (Rat (female)) Inhalation LC50: 1 mg/L (Rat (male))
53880-05-0	HOMOPOLYMER OF ISOPHORONE DIISOCYANATE Inhalation LC50: 5 mg/L (Rat)
9046-01-9	Polyoxyethylene Tridecyl Ether Phosphate Oral LD50: 1,530 mg/kg (Rat) Dermal LD50: 2,740 mg/kg (Rabbit) Inhalation LC50: 850 mg/m ³ (Rat)

98-94-2

Dimethylcyclohexylamine

Oral LD50: 289 mg/kg (Rat) Dermal LD50: 380 mg/kg (Rat)

Primary routes of entry: Inhalation, Skin contactCAS Number

None

Description% WeightCarcinogen Rating

No Data Available

Section 12 - Ecological Information

The product does not have any known adverse effects on the aquatic organisms tested .

Component Ecotoxicity

HOMOPOLYMER OF

ISOPHORONE DIISOCYANATE

LC50 Cyprinus carpio: > 1.5 mg/l / 96h

Method: OECD Test Guideline 203

In the range of water solubility not toxic under test conditions.

ErC50 Growth inhibition scenedesmus subspicatus: > 3.1 mg/l / 72h

Test substance: Isophoronediiisocyanate, homopolymer

Method: OECD 201

The result refers to a 70% solution.

EC50 Acitivated sludge: > 1000 mg/l / 3h

Method: OECD 209

Nominal concentration

EC50 Daphnia magna (water flea): > 3.3 mg/l / 48h

Test substance: Isophoronediiisocyanate, homopolymer

Method: OECD 202

The result refers to a 70% solution.

Polyoxyethylene Tridecyl Ether
Phosphate

No data available.

Dimethylcyclohexylamine

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Section 13 - Disposal Considerations

Waste treatment methods**Recommendation:**

- Discharging waste into rivers and drains is forbidden.
- Incinerate at a licensed installation.
- Disposal must be made according to federal, state and local regulations.

Waste disposal key: EPA Hazardous Waste - NO**Uncleaned packagings:** Contaminated packaging materials must be disposed of in the same manner as the product.**Recommendation:**

- Allow it to drain thoroughly.
- Thoroughly emptied and clean packagings may be recycled.
- Disposal must be made according to official regulations.

Section 14 - Transport Information

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
ADR/RID	Not regulated as hazardous material			
DOT	Not regulated as hazardous material			
IATA	Not regulated as hazardous material			
IMDG	Not regulated as hazardous material			

Section 15 - Regulatory Information

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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