

## SAFETY DATA SHEET 2023

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	: ShieldPoly Polekote Part B
<b>Other means of Identification</b>	: Polyether Polyol, Polyol, Urethane Resin
<b>Usage</b>	: A high build, solventless coating when used with Part A.
<b>Manufacturer/Importer/Supplier/Distributor</b>	
<b>Information</b>	: ShieldCrete® International
<b>Company Name</b>	: ShieldCrete® International Sdn Bhd
<b>Address</b>	: 66 Jalan Setiakasih 9 Bukit Damansara, Kuala Lumpur, Malaysia 50490
<b>Contact Numbers</b>	: +66 928 639 833   +63 966 465 5362
<b>Email</b>	: info@shieldcreteinternational.com
<b>Website</b>	: www.shieldcreteinternational.com

### SECTION 2: HAZARDS IDENTIFICATION

#### Statement of Hazardous Nature:

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

**HSNO Classification:** 6.5B

**HSNO Approval Number:** HSR002670

#### HAZARD AND PRECAUTIONARY STATEMENTS

<b>Hazard:</b>	May cause an allergic skin reaction.
<b>Prevention:</b>	Read Safety Data Sheet before use. Avoid breathing dust, fume, gas, mist, vapors, spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

#### RESPONSE

<b>If on Skin:</b>	Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention. Use a cleansing agent on skin. Wash contaminated clothing before reuse.
<b>In Case of Fire:</b>	Use dry chemical extinguishers such as monoammonium phosphate, potassium chloride, additionally carbon dioxide, high expansion chemical foam, water fog – do not use a water jet.
<b>Storage:</b>	Store in a cool dry place.
<b>Disposal:</b>	Recycle wherever possible. Bury residue in an authorized landfill. Recycle containers if possible. If not possible, dispose of in an authorized landfill. Containers may still present a chemical hazard/danger when empty. If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent reuse, and bury at an authorized landfill. Contact appropriate Waste Management Company for guidance and disposal options in your area. Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

### SECTION 3: COMPOSITES / INFORMATION ON INGREDIENTS

INGREDIENTS	WEIGHT %	CAS No.
Branched polyalcohol	80-90	Not available
Castor Oil	10-20	8001-79-4
Silicone Oxide	< 10	7631-86-9
Alum Oxide	< 5	1344-28-1
Sodium Oxide	< 5	1313-59-3
Polydimethylsiloxane	< 0.1	63148-62-9

### SECTION 4: FIRST AID MEASURES

#### EMERGENCY & FIRST AID PROCEDURES

- Eye Contact:** Flush with clean, luke warm water at low pressure for at least 15 minutes, occasionally lifting the eyelids. Consult a physician immediately.
- Skin Contact:** Remove contaminated clothing, wash exposed area with warm soapy water thoroughly. Contaminated clothing should be properly washed.
- Inhalation:** Remove injured party from area of the exposure to safe area.
- Ingestion:** Do not induce vomiting. Give water to drink. Never give anything to an unconscious person or induce vomiting in an unconscious person.
- Note to Physician:** Basically, treatment is symptomatic.

### SECTION 5: FIRE FIGHTING MEASURES

#### Extinguishing Media:

Dry chemical extinguishers such as monoammonium phosphate, potassium chloride, additionally carbon dioxide, high expansion chemical foam, water fog – do not use a water jet.

#### Special Fire Fighting Procedures:

Fire fighters should wear self-contained breathing apparatus in addition to normal protective turnout clothing. Cool containers exposed to fire with water spray.

#### Unusual Fire and Explosion Hazards:

Keep way from oxidizing agents.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### SPILLS AND DISPOSAL

#### Steps to be taken in case material is released or spilled:

Contain the spilled material and then cover with a loose, absorbent material such as oil dry, sawdust, Vermiculite or Fullers Earth. Shovel waste material into the proper waste containers. Wash the contaminated areas down with hot, soapy water thoroughly. Ventilate area to remove vapors.

#### Waste Disposal Method:

Waste material may be incinerated or disposed of under local regulations controlling environment protection.

## SECTION 7: HANDLING AND STORAGE

### SPECIAL PRECAUTIONS AND STORAGE DATA

**Special Sensitivity (Heat, Light, Moisture):** This product is hygroscopic. Containers should be tightly sealed to prevent moisture contamination. Do not expose to high temperatures for any length of time.

Store in a cool, well-ventilated place and out of direct sunlight and other sources of heat. Keep containers firmly closed. Take care in removing lids as internal pressure may build up in warm containers. Always slowly vent container when opening to relieve any pressure build-up. If contamination with isocyanates is suspected, do not reseal container because of possible rupture due to pressure build-up.

### STORAGE AND TRANSPORT

**Storage Temperature (Min/Max):** 18°C – 30°C.

**Average Shelf Life:** 6 months

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE STANDARDS

**Threshold Limit Value – Time Weighted Average (TLV-TWA):** Not Established

**Threshold Limit Value – Short Term Exposure Limit (TLV-STEL):** Not Established

**Threshold Limit Value – Ceiling (TLV-C):** Not Established

### ENGINEERING CONTROLS

**Ventilation:** Provide explosion proof ventilation system, natural or mechanical. Spills or other emergencies may require more forceful ventilation means.

### PERSONAL PROTECTION

**Skin and Eye Protection:** Liquid chemical goggles or full-face shield. No contact lenses should be worn. Chemical resistant gloves such as natural rubber, or polyvinyl alcohol. Cover as much of the exposed skin as possible with appropriate clothing. If skin creams are used, keep the area covered by the cream to a minimum.

**Respiratory Protection:** This product has demonstrated no observable effects at room temperatures, however, it is highly recommended that an air purifying respirator with organic filter cartridges be worn. In addition, in any spray application, a supplied air source must be provided.

### FLAMMABILITY

**Flammability Limits:** Not established

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance &amp; Odor</b>	Viscous opaque liquid, slight sweetish odour
<b>Boiling Point</b>	Not applicable
<b>Vapor Pressure</b>	Very low
<b>Specific Gravity</b>	1.05 g/mls
<b>Flash Point</b>	200°C PMCC
<b>% Volatile by Volume</b>	Nil
<b>Flammability Limits</b>	Not established
<b>Solubility in Water</b>	Immiscible

## SECTION 10: STABILITY AND REACTIVITY

### REACTIVITY DATA

**Stability:**

Stable under normal storage conditions.

**Polymerization:**

Will not occur.

**Incompatibility (Materials to avoid):**

Avoid contact with isocyanates and other substances that will react with Hydroxyl groups.

**Hazardous Decomposition Products:**

Aliphatic fragments, CO, NH<sub>3</sub>, CO<sub>2</sub> Combustible. Toxic fumes may be formed during the decomposition which may occur during a fire.

## SECTION 11: TOXICOLOGICAL INFORMATION

### HEALTH EFFECTS

#### ACUTE

**Skin and Eyes:** May cause skin irritation. Some individuals may be more sensitive to exposure. May cause eye irritation. Protective goggles should be worn.

**Ingestion:** This is not considered a common occupational route of exposure.

**Inhaled:** Low vapor pressure. At room temperatures, vapor inhalation is not considered hazardous.

#### CHRONIC

**Human Effects of Over Exposure:** Not available.

## SECTION 12: ECOLOGICAL INFORMATION

No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### DISPOSAL STATEMENT

Recycle wherever possible.

Bury residue in an authorized landfill.

Recycle containers if possible. If not possible, dispose of in an authorized landfill.

Containers may still present a chemical hazard/danger when empty.

If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent reuse, and bury at an authorized landfill.

Contact appropriate Waste Management Company for guidance and disposal options in your area.

Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

## SECTION 14: TRANSPORT INFORMATION

<b>U.N. No:</b>	Not applicable
<b>Haz Chem Code:</b>	Not applicable
<b>Dangerous Goods Class:</b>	Not classified dangerous goods
<b>Proper Shipping Name:</b>	Not applicable
<b>Packaging Group:</b>	Not applicable
<b>Toxic Substances Schedule:</b>	Not applicable

**SECTION 15: REGULATORY INFORMATION****HSNO Approval number:** HSR00267**HSNO Classification:** 6.5B**SECTION 16: OTHER INFORMATION**

This document was reviewed and revised on 23 May 2016.

**DISCLAIMER:** The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of the MSDS. However, since the conditions of handling and use are beyond our control; we make no guarantee of results and assume the liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Finding determination of solubility of chemical is the sole responsibility of the user. No representations or warranties, either expressed implied of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal and local laws and regulations.