

## SAFETY DATA SHEET 2022

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	: ShieldPrime (SP) Rapid Primer - Resin
<b>Other means of Identification</b>	: None
<b>Chemical Family</b>	: Epoxy Based High Solids Primer
<b>Recommend Use</b>	: Inter coat Primer for Metals and Non-metals
<b>Restrictions</b>	: None
<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

This product is classified as dangerous as per Directive 1999/45/EC.

**Physical Hazards:** Not Classified

**Label Elements:** GHS07  GHS08  GHS09 

<b>Risk &amp; Safety Phrases:</b> Xn,R20/22	Harmful by inhalation and if swallowed
C,R34	Cause burns
R43	May cause sensitization by skin contact
S24	Avoid Contact with skin
S36/37/39	Wear suitable protective clothing, gloves, and eye/face protection
S45	In case of accident or if you feel unwell, seek medical advice immediately.

#### Potential Health Effects

**Primary Routes of Entry:** Inhalation, Skin contact, Eye contact, Ingestion

#### Human Effects and Symptoms of Overexposure

**Inhalation:** Inhalation of vapors causes skin irritation of the respiratory tract and may cause adverse systemic effects.

**Skin Contact:** Causes skin irritation. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on repeated exposure to this material.

**Eye Contact:** May cause irritation. Repeated and/ or long-term exposure may cause adverse effects (such as conjunctivitis or corneal damage).

**Ingestion:** Ingestion may cause headache, nausea.

### SECTION 3: COMPOSITES / INFORMATION ON INGREDIENTS

#### Compositional Details

COMPONENTS	CAS No.	WEIGHT %	OSHA PEL	AGIH TLV	MFG TLV	VAPOR PRESSURE
Benzyl alcohol	100-51-6	40-50	N/A	N/A	N/A	N/A
Cyclohexylamine	2855-13-2	10-20	N/A	N/A	N/A	N/A
Trimethyl cyclo hexa methylene diamine	25620-58	20-30	N/A	N/A	N/A	N/A
Benzene 1,3-dimethylamine	1477-55-0	5-7	N/A	N/A	N/A	N/A
Tris (dimethylaminomethyl) Phenol	90-72-2	3-5	N/A	N/A	N/A	N/A
Crystalline silica	14808-60-7	5-10				

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with plenty of water, preferably lukewarm water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel.

**Skin Contact:** Wash material off the skin thoroughly with plenty of soap and water. If redness, itching or a sensation develops get medical attention. Wash contaminated clothing and decontaminate footwear before use.

**Inhalation:** Move to an area free from risk of further exposure. Remove contaminated clothing and loosen remaining clothing. Administer oxygen or artificial respiration if needed. Seek medical attention.

**Ingestion:** Rinse mouth with water. Do not induce vomiting. Give 1 or 2 glasses of water to drink and refer person to medical personnel. Do not give anything by mouth to an unconscious person.

### SECTION 5: FIRE FIGHTING MEASURES

#### Suitable Extinguishing Media:

Dry chemical, foam, and carbon dioxide, water mist.

#### Special Fire Fighting Procedures:

Wear approved self-contained breathing apparatus in positive pressure mode with full face-piece. Boots gloves (neoprene), goggles and full protective clothing are also required. Excessive pressure or temperature may cause explosive rupture of containers.

#### Unusual Fire and Explosion Hazards:

None.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal Precautions:

Put on protective equipment. Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

#### Environmental Precautions:

Do not flush into surface water or sanitary sewer system.

#### Methods for Cleaning up:

Wear skin, eye, and respiratory protection during cleaning. Soak up material with adsorbent and shovel into a chemical waste container. Cover container, but not seal, and remove from work area. Residues from spill clean-up may continue to be regulated under provisions of RCRA and require storage and disposal of hazardous waste.

### SECTION 7: HANDLING AND STORAGE

#### Handling / Storage Precautions:

Keep in cool, dry ventilated storage area, in closed containers and out of direct sunlight. Store in containers above ground and surrounded by dikes to contain spills or leaks. Keep containers closed when not in use. Containers, even those have been emptied, may contain explosive vapors.

**Other Precautions:**

Prevent skin and eye contact, observe TLV limitations. Avoid breathing vapors. Workers should shower and change to fresh clothing after each shift. A sensitized individual should not be exposed to the product that caused the sensitization. Individuals with existing respiratory disease such as chronic bronchitis, emphysema or asthma should not be exposed.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

<b>Ventilation</b>	If needed, use local exhaust ventilation to keep airborne concentrations below the TLV. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.
<b>Respiratory Protection</b>	If airborne concentrations exceed or are expected to exceed the TLV, use approved positive pressure supplied air respirator with a full face piece or an air supplied hood. For emergencies, use a positive pressure self-contained breathing apparatus.
<b>Protective Clothing</b>	Gloves determined to be impervious under the conditions of use should be worn always when working with this product. Depending on conditions of use, additional protection may be required such as apron, arm covers or full body suit. Wash contaminated clothing before re-wearing.
<b>Eye Protection</b>	Chemical tight goggles and full-face shield.
<b>Other Protective Equipment and Measures</b>	Unhindered access to safety shower and eye wash stations. As a general hygienic practice, wash hands and face after use. Showers and cleaning of cloths are recommended. Follow all label instruction. Educate employees in safe use of product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Liquid
<b>Color</b>	Straw Yellow
<b>Odor</b>	Mild Ammoniacal Odor
<b>pH</b>	> 7
<b>Flash Point</b>	> 100 °C
<b>Specific Gravity</b>	1.97 @25 °C
<b>Vapor Density</b>	< 7
<b>Coating V.O.C.</b>	Zero VOC
<b>Evaporation Rate</b>	Slower than ether
<b>Solubility in Water</b>	Partially Soluble
<b>Further Information</b>	The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to Avoid:** Heat, High temperature, open flame, sparks, and moisture.

<b>Incompatibility (Materials to avoid):</b>	Oxidizing Agents.
<b>Hazardous Decomposition / By-products:</b>	Oxides of carbon and nitrogen, smoke, and other toxic fumes.
<b>Hazardous Polymerization:</b>	Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute Effects

<b>Inhalation:</b>	Harmful by Inhalation. Material may be irritant to mucous membranes and respiratory tract.
<b>Skin Contact:</b>	The material is corrosive to skin. The possibility of allergic sensitization should be considered.
<b>Eye Contact:</b>	Liquid and vapor can cause irritation on contact and at high concentrations.
<b>Ingestion:</b>	Swallowing can result in nausea, vomiting, diarrhea, abdominal pain, and chemical burns to the gastrotestinal tract.

## SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	The Material is harmful to aquatic organisms.
<b>Persistence &amp; degradability:</b>	The product is not readily degradable.

## SECTION 13: DISPOSABLE CONSIDERATIONS

### Waste Disposal Method:

Dispose of in compliance with all relevant local, state, and federal laws and regulations regarding treatment.

### Empty Container Precautions:

Empty containers must be handled with care due to product residue. Decontaminate container prior to disposal.

## SECTION 14: TRANSPORTATION INFORMATION

<b>ADG/ADR/RID</b>	UN :1760 Dangerous Goods Class: 8, Classification Code: C9 Packing Group: III Hazchem Code: 2R Emergency Response Guide No. 37, Label No: 8
<b>Contains</b>	Isophorone diamine
<b>IMDG</b>	Proper shipping name: UN Corrosive liquid, n.o.s.(contains CYCLOALIPHATIC AMINE) UN: 1760 Dangerous Goods Class: 8 Packing Group: III, Marine Pollutant: P Proper shipping name: UN Corrosive liquid, n.o.s.(contains CYCLOALIPHATIC AMINE)
<b>IATA</b>	UN: 1760 Dangerous Goods Class: 8 Packing Group: III, Label No:8 Proper shipping name: UN Corrosive liquid, n.o.s.(contains CYCLOALIPHATIC AMINE)

## SECTION 15: REGULATORY INFORMATION

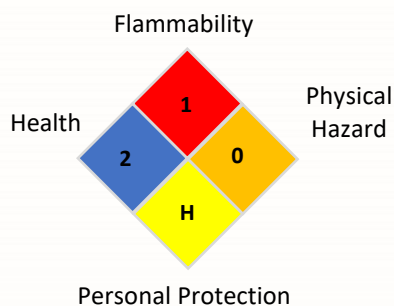
<b>Hazardous Symbol/s:</b>	C, N
<b>Contains:</b>	Benzyl alcohol

Cyclohexylamine  
 Trimethyl cyclo hexa methylene diamine  
 Benzene 1,3-dimethylamine  
 Tris (dimethylaminomethyl) Phenol

**Risk & Safety Phase:** R20/22 Harmful by inhalation and swallowed  
 R34/R36/37/38 Causes burn, irritating to eyes, respiratory system and skin  
 R42/43 May cause sensitization by inhalation and skin contact.  
 R50/53 Very toxic to aquatic organism and can have long term adverse effect on aquatic environment  
 S23 Do not breathe spray, vapor  
 S36/37/39 Wear suitable protective clothing and gloves, eyes/face protection  
 S45 In case of accident or if you feel unwell, seek medical advice immediately

**National Regulations:** Refer and Follow country specific Hazard Information and Packaging Control of Substances hazard to Health  
 Health and Safety at work  
 Environmental Protection  
 Hazardous waste  
 Carriage of dangerous goods act  
 Code of Practice – Management of health and safety at work, HSE

## SECTION 16: OTHER INFORMATION



HMIS RATING	
Minimal	0
Slight	1
Moderate	2
Serious	3
Severe	4
Chronic Health Hazard	*

### 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 regulation.