

## 1. Product and Company Information

Product Name	HI-PU 3060 POLYURETHANE TOPCOAT GLOSS
Product Type	Solvent-Based Polyurethane Product
Distributor	Tai Seng Paint Pte Ltd 5 Soon Lee Street #05-52 Pioneer Point Singapore 627607
Contact details	Tel: (65) 6897 8282 Fax: (65) 6897 8228

## 2. Hazard Identification

### GHS Classification

Flammable Liquid Hazard	Category 3
Serious Eye Damage / Eye Irritation Hazard	Category 2
Skin Irritation Hazard	Category 2

### Environment Hazard

Not classified as an environmental hazard under GHS criteria

### GHS Labeling



### GHS Signal Word

Warning

### Hazard Statements

H226: Flammable liquid and vapour  
H315: Causes skin irritation  
H318: Causes eye irritation

### Precautionary Statements

#### Prevention

P201: Obtain special instructions before use  
P202: Do not handle until all safety precautions have been read and understood  
P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P233: Keep container tightly closed  
P240: Ground/bond container and receiving equipment

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P241: Use explosion-proof electrical/ventilating/light/equipment  
 P242: Use only non-sparking tools  
 P243: Take precautionary measures against static discharge  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray  
 P264: Wash hands 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  
 P281: Use personal protective equipment as required

### **Response**

P301+P310 – IF SWALLOWED: Immediately call a poison center / doctor / physician first aider.

P302+P352 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor/physician if you feel unwell.

P370+P378 - IN CASE OF FIRE: Use the following media for extinction: water spray or fog, alcohol foam, carbon dioxide, dry chemical.

### **Storage**

P403+P235 - To store in well-ventilated place. Keep cool.

P403+233: Store in a well-ventilated place. Keep container tightly closed

P405 - Keep container tightly closed.

### **Disposal**

P501 - Dispose of contents/container in accordance with local and national regulations.

## **3. Composition of Ingredients**

### **Hazardous Ingredients**

Component	CAS No.	%
N-Butyl acetate	123-86-4	1% – 5%
Inorganic pigment	13463-67-7	10% – 20%
Xylene	1330-20-7	5% – 10%
Light aromatic solvent naphtha (petroleum)	64742-95-6	1% – 5%
Substances determined to be non-hazardous	-	Balance

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### 4. First Aid Measures

Route of exposure	First Aid Measure
Inhalation	Remove victim from exposure and loosen clothing. If breathing has stopped or is irregular, start CPR immediately.
Ingestion	If ingested, do not induce vomiting. Contact a physician immediately.
Eye Contact	Wash eyes under running water for at least 15 minutes. If irritation persists, seek medical attention immediately.
Skin Contact	Remove contaminated articles of clothing, and wash affected area with soap and water for at least 15 minutes. If rashes or burns are evident, dress wounds and seek medical attention immediately.

### 5. Fire Fighting Measures

Extinguishing Media	Water fog or fine spray, carbon dioxide, dry chemical or foam can be used as fire extinguishing media. General purpose synthetic foam or protein foams are preferred if available. Do not use direct water stream.
Specific Hazards	Decomposition of polymers may contain polymer fragments of varying composition in addition to unidentified toxic and/or irritating compounds. Hazardous decomposition products may include and are not limited to carbon dioxide, carbon monoxide.
Specific Methods	Keep people away from the fire. Isolate fire area and deny unnecessary entry. Water fog may be applied as a blanket for fire extinguishment. Eliminate all fire ignition sources and stay upwind. Do not use direct water stream as this may spread the fire.
Protection of Fire Fighters	Wear pressure positive self-contained breathing apparatus (SCBA) and wear protective fire fighting clothing (including fire fighting helmet, coat, trousers, boots and gloves). If protective clothing is not available, fight fire from a protected location or a safe distance.

### 6. Accidental Release Measures

Personal Precautions	Do not breathe vapours. Eliminate all sources of ignition in the vicinity of the spill. Wear self-contained breathing apparatus or organic vapour respirators when containing the spill. Wear chemical resistant suit, chemical goggles, chemical resistant gloves and boots when containing the spill.
Environmental Protection	Evacuate unprotected personnel upwind of the spill. Contain spillage with dikes or absorbent material. Prevent spillage from entering drainage or groundwater.
Method of Cleaning	Absorb spillage with inert absorbent material and store in

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	<p>approved chemical disposal containers. Residual spillage may be cleaned with solvents. Dispose chemicals and waste material by incineration by an approved chemical disposal contractor.</p>
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### **7. Handling and Storage**

Handling	<p>Containers that have been emptied may still contain flammable vapours. Do not cut, drill, grind, weld or perform similar operations on or near empty containers. Ignition sources must not be allowed near storage and handling areas of the containers.</p>
Storage	<p>Do not store in open sunshine. Keep away from sources of ignition, static building, sparks or open flames. Keep containers tightly closed when not in use.</p>

### **8. Exposure Control/Personal Protection**

Exposure Guidelines	Component	TLV	TWA	STEL
	N-butyl acetate	-	-	-
	Xylene	100 ppm	- - -	100 ppm
Engineering Controls	General or local exhaust ventilation should be used to prevent build-up of vapour above exposure guidelines.			
Respiratory Protection	<p>Use a proper chemical vapour respirator when handling the material. For emergency conditions or when the exposure guidelines will be greatly exceeded, use an approved positive pressure self-contained breathing apparatus (SCBA) or positive pressure airline with auxiliary self-contained air supply.</p>			
Skin Protection	<p>Wear clean, long sleeved body covering clothing or an impervious chemical resistant suit. Gloves impervious to this material must also be used.</p>			
Eye/Face Protection	<p>Use chemical goggles or full-face respirator. An eye wash fountain should be located in the immediate work area.</p>			

### **9. Physical and Chemical Properties**

Colour	Wide range of colours
Appearance	Liquid
Finish	Gloss
Odour	Aromatic hydrocarbon odour
Specific Gravity/Density	1.20 – 1.40

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Solid Content (% by wt.):	58% – 62%
Flash Point	23 °C
Auto-ignition Temperature	> 230 °C

### **10. Stability and Reactivity**

Chemical stability	Stable
Conditions to Avoid	Do not store in open sunshine. Keep away from ignition sources and open flames.
Materials to Avoid	Oxidising agents, metal salts, peroxides, strong acids and bases.
Hazardous Decomposition Products	Carbon dioxide and carbon monoxide in a fire. Irritating and toxic fumes at higher temperature.
Hazardous Polymerisation	Will not occur
Conditions to Avoid	Not applicable

### **11. Toxicological Information**

Ingestion	Ingestion causes burning sensation in the mouth and stomach, nausea, vomiting and salivation.
Skin Contact	Skin contact results in a loss of natural oils and may cause dermatitis. May be absorbed through skin.
Inhalation	Inhalation of vapours may be irritating to the nose and throat. May cause nausea, vomiting, headache, ringing in the ears, severe breathing difficulties. May have narcotic effect.
Eye Contact	Contact with the eyes may cause irritation.
Acute Effects	LD <sub>50</sub> (oral, rat): 4300mg/kg (Xylene) LD <sub>50</sub> (dermal, rabbit): 1600mg/kg (Xylene)
Chronic Effects	Chronic exposure may cause headache, loss of appetite, nervousness, pale skin. Repeated or prolonged skin contact may cause dermatitis. Repeated exposure to the eyes to high concentrations of vapour may lead to reversible eye damage. Repeated exposure can damage bone marrow, cause low blood cell count. May damage the liver and kidneys.
Special Effects	None known

### **12. Ecological Information**

Mobility and Bioaccumulation Potential	Not available
Degradation	Not available
Aquatic toxicity	Not available

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### **13. Disposal Information**

Material	This material must be contained and not disposed to sewerage systems, drains or waterways. It is prohibited to dispose its waste to the environment, without prior treatment in accordance with government regulation.
Container	Dispose of all waste containers and used drums in accordance with local authority guidelines. Empty containers must be decontaminated by rinsing with water. Non-returnable containers should be de-gassed prior to disposal. Waste containers can either be reused for the same material or disposed in accordance with government regulation.
Local Regulation	Suitable for incineration by approved agent under controlled conditions if permitted by local authorities, otherwise disposal must be in accordance with local waste and environmental authority requirements.

### **14. Transport Information**

Proper Shipping Name	Paint
IMDG Class	3
Packing Group	III
Transport Label Required	Flammable liquid
UN Number	1263
Marine Pollutant	No

### **15. Regulatory Information**

Not applicable.

### **16. Other Information**

SDS Preparation Date	April 2025
Revision Indicator	1

*The information and recommendations herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. The information and recommendations are offered for the user's recommendation and examination, and it is the user's responsibility to satisfy itself that there are suitable and complete for its particular application.*