

# Thanetop P772 (Part A)

## Material Safety Data Sheet

<b>I. Identification</b>	
Product name	Thanetop P772 Two Components Polyurethane Protective Top Coating Part A
Chemical family	Polymer, acrylate
Name of contact	Benson Yau
Product principal address	Master Proofer Company Ltd. 139A Hung Uk Tsuen, Ping Shan, Yuen Long, N.T., H.K.
OEM address	9th Floor, Kangnam Bldg., 1355-21, Seocho-dong, Seocho-gu, Seoul, Korea.
Country of origin	Korea
Emergency telephone number	(+852) 2609 2300

<b>II. Ingredients</b>			
Ingredients	CAS number	OSHA PEL	Contents (%)
Barium sulfate	7727-43-7	15 mg/m <sup>3</sup> (TWA)	20 – 30
Acrylate copolymer	38810-51-4	-	10 – 20
Butyl acetate	123-86-4	710 mg/m <sup>3</sup> (TWA)	10 – 20
Titanium dioxide	13463-67-7	15 mg/m <sup>3</sup> (TWA)	5 – 10
Toluene	108-88-3	750 mg/m <sup>3</sup> (TWA)	5 – 10
Dimethyl carbonate	616-38-6	-	5 – 10
Other additives	Trade Secret	-	< 20

<b>III. Physical data</b>			
Boiling point (°C)	110.6	Vapour pressure (mmHG)	N/A
Melting point (°C)	N/A	Specific gravity (20°C)	1.25 – 1.29
Ignition point (°C)	N/A	Volatile material (wt %)	N/A
Viscosity (25°C, cps)	N/A	pH	N/A
Solubility	N/A		
Appearance & odour	Liquid. Solvent odour.		
VOC content	N/A		

<b>IV. Fire &amp; explosion hazard data</b>	
Flash point (°C)	13
Extinguishing media	Carbon dioxide, foam, dry powder.
Special firefighting procedures	Wear self-contained breathing apparatus. Stay against the wind so as not to inhale chemicals or materials from pyrolysis. Move container from the fire area if you can do so without risk, use suitable extinguishing agent.
Explosion hazard	Containers may explode when heated.

<b>V. Health hazard data</b>	
<b>Acute effects</b>	

The Brand and Interest of above product is owned by  
Master Proofer Company Ltd.

No. 139A, Hung Uk Tsuen, Ping Shan, Yuen Long, N.T, HK

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Eye	Cause moderate eye irritation.
Skin	Cause mild skin irritation.
Inhalation	Cause respiratory tract irritation. May cause asthma.
Ingestion	Cause gastrointestinal irritation.
<b><u>Chronic effects</u></b>	
Eye	Repeated contact with eyes may cause damage to the eyes.
Skin	Repeated contact with skin may cause severe irritation, sensitization or allergic reaction.
Inhalation	Prolonged inhalation may cause lung damage.
Ingestion	Repeated ingestion may cause damage to central nervous system.
<b><u>Emergency &amp; first aid procedures</u></b>	
Eye	Flush with copious amount of water for at least 15 minutes. If irritation develops, seek medical attention.
Skin	Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.
Inhalation	Remove the affected individual into fresh air and keep the person clam. Assist in breathing if necessary. Immediate medical attention required.
Ingestion	Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

<b>VI. Reactivity data</b>	
Stability	Stable under recommended storage and handling conditions. Containers may explode when heated.
Reactivity	N/A
Condition to avoid	Avoid all sources (e.g. heat, flame, spark) of ignition. Avoid contact with materials prohibited to mix.
Incompatibility	Amines, alcohols, water.
Hazardous combustion or decomposition product	May produce irritative, toxic and corrosive gas if burning.
Hazardous polymerization	Will not occur.

<b>VII. Spill or leak procedures</b>	
Steps to be taken if material is spilled or released	Ventilate area. Extinguish all ignition sources. Contain spill. Evacuate unprotected personnel from hazard area. Cover with absorbent, place in approved drum. Do not seal drum for 48 hours to avoid possible pressure build up. Avoid releasing the spilled material to the environment.
Waste disposal method	Dispose of absorbed material in accordance with regulations.

<b>VIII. Special protection information</b>	
Ventilation	Use general dilution ventilation and/or local exhaust ventilation. If ventilation is not adequate, use respiratory protection equipment.
Respiratory protection	An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, select half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates.
Protection gloves	Wear approved chemical resistant gloves that may protect hands from direct contact with chemical. Neoprene or nitrile rubber gloves are recommended.
Eye protection	Wear approved chemical safety glasses or goggles.
Other protective equipment	Wear approved chemical resistant cloths.

<b>IX. Special precaution</b>
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Handling	<p>Do not handle until all safety precautions have been read and understood.</p> <p>Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>Contaminated work clothing should not be allowed out of the workplace.</p> <p>Keep container closed when not in use.</p> <p>Avoid contact with skin and eyes.</p> <p>Wash your handling region thoroughly after handling.</p> <p>Avoid prohibited condition and materials.</p>
Storage	<p>Keep away from heat.</p> <p>Store in a cool, dry and well-ventilated place.</p> <p>Keep container tightly closed.</p> <p>Prevent static electricity.</p>
Other precautions	<p>Do not eat, drink or smoke when using this product.</p>

Note: The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety legislation. The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.

Certified by

Benson Yau.  
Quality Representative

Date: May 2021

*Digital print out; signature is not required*

# **Thanetop P772 (Part B)**

## **Material Safety Data Sheet**

<b>I. Identification</b>	
Product name	Thanetop P772 Two Components Polyurethane Protective Top Coating Part B
Chemical family	Polymer, isocyanate
Name of contact	Benson Yau
Product principal address	Master Proofer Company Ltd. 139A Hung Uk Tsuen, Ping Shan, Yuen Long, N.T., H.K.
OEM address	9th Floor, Kangnam Bldg., 1355-21, Seocho-dong, Seocho-gu, Seoul, Korea.
Country of origin	Korea
Emergency telephone number	(+852) 2609 2300

<b>II. Ingredients</b>			
Ingredients	CAS number	OSHA PEL	Contents (%)
Butyl acetate	123-86-4	710 mg/m <sup>3</sup> (TWA)	40 – 50
Poly(hexamethylene diisocyanate)	28182-81-2	-	30 – 40
Xylene	1330-20-7	435 mg/m <sup>3</sup> (TWA)	10 – 20
Hexamethylene diisocyanate	822-06-0	-	0.01 – 5

<b>III. Physical data</b>			
Boiling point (°C)	135 – 210	Vapour pressure (mmHG)	N/A
Melting point (°C)	N/A	Specific gravity (20°C)	N/A
Ignition point (°C)	N/A	Volatile material (wt %)	N/A
Viscosity (25°C, cps)	N/A	pH	N/A
Solubility	N/A		
Appearance & odour	Liquid. Solvent odour.		
VOC content	N/A		

<b>IV. Fire &amp; explosion hazard data</b>	
Flash point (°C)	22
Extinguishing media	Carbon dioxide, foam, dry powder.
Special firefighting procedures	Wear self-contained breathing apparatus. Stay against the wind so as not to inhale chemicals or materials from pyrolysis. Move container from the fire area if you can do so without risk, use suitable extinguishing agent.
Explosion hazard	Containers may explode when heated.

<b>V. Health hazard data</b>	
<b>Acute effects</b>	
Eye	Cause moderate eye irritation.
Skin	Cause mild skin irritation.
Inhalation	Cause respiratory tract irritation. May cause asthma.
Ingestion	Cause gastrointestinal irritation.

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<b><u>Chronic effects</u></b>	
Eye	Repeated contact with eyes may cause damage to the eyes.
Skin	Repeated contact with skin may cause severe irritation, sensitization or allergic reaction.
Inhalation	Prolonged inhalation may cause lung damage.
Ingestion	Repeated ingestion may cause damage to central nervous system.
<b><u>Emergency &amp; first aid procedures</u></b>	
Eye	Flush with copious amount of water for at least 15 minutes. If irritation develops, seek medical attention.
Skin	Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.
Inhalation	Remove the affected individual into fresh air and keep the person clam. Assist in breathing if necessary. Immediate medical attention required.
Ingestion	Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

<b>VI. Reactivity data</b>	
Stability	Stable under recommended storage and handling conditions. Containers may explode when heated.
Reactivity	N/A
Condition to avoid	Avoid all sources (e.g. heat, flame, spark) of ignition. Avoid contact with materials prohibited to mix.
Incompatibility	Amines, alcohols, water.
Hazardous combustion or decomposition product	May produce irritative, toxic and corrosive gas if burning.
Hazardous polymerization	Will not occur.

<b>VII. Spill or leak procedures</b>	
Steps to be taken if material is spilled or released	Ventilate area. Extinguish all ignition sources. Contain spill. Evacuate unprotected personnel from hazard area. Cover with absorbent, place in approved drum. Do not seal drum for 48 hours to avoid possible pressure build up. Avoid releasing the spilled material to the environment.
Waste disposal method	Dispose of absorbed material in accordance with regulations.

<b>VIII. Special protection information</b>	
Ventilation	Use general dilution ventilation and/or local exhaust ventilation. If ventilation is not adequate, use respiratory protection equipment.
Respiratory protection	An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, select half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates.
Protection gloves	Wear approved chemical resistant gloves that may protect hands from direct contact with chemical. Neoprene or nitrile rubber gloves are recommended.
Eye protection	Wear approved chemical safety glasses or goggles.
Other protective equipment	Wear approved chemical resistant cloths.

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Handling	<p>Do not handle until all safety precautions have been read and understood.</p> <p>Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>Contaminated work clothing should not be allowed out of the workplace.</p> <p>Keep container closed when not in use.</p> <p>Avoid contact with skin and eyes.</p> <p>Wash your handling region thoroughly after handling.</p> <p>Avoid prohibited condition and materials.</p>
Storage	<p>Keep away from heat.</p> <p>Store in a cool, dry and well-ventilated place.</p> <p>Keep container tightly closed.</p> <p>Prevent static electricity.</p>
Other precautions	<p>Do not eat, drink or smoke when using this product.</p>

Note: The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety legislation. The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.

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