

# DETAILED SAFETY DATA SHEET

## SOLIDPRO SEALER



### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

*Product Name* : SOLIDPRO SEALER  
*Manufacturer* : Solid Green Tech Solutions Sdn. Bhd.  
Lot 772 (10-14), Jalan Subang 4  
Kawasan Perindustrian Sg. Penaga  
47620 Subang Jaya, Selangor, Malaysia  
*Emergency Phone Number* : +(60) 3 8081 4777 / 4776  
*Fax Numbers* : +(60) 3 8081 4771

### 2. HAZARDS IDENTIFICATION

#### GHS Classification :

##### Physical Hazard

*Flammable Hazard* Category 3

##### Health Hazard

*Skin corrosion/irritation* Category 2

*Serious eye damage/irritation* Category 2

*Germ cell mutagenicity* Category 1

*Carcinogenicity* Category 1

##### Specific target organ toxicity :

- *Single exposure* Category 1

- *Repeated exposure* Category 1

*Asphyxiation hazard* Category 1

##### Environmental Hazard

Not classified as an environmental hazard under GHS criteria

##### GHS Pictogram



##### Signal Word

Danger

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### Hazard statements

H226 : Flammable liquid and vapour  
H304 : May be fatal if swallowed and enters airways  
H315 : Causes skin irritation  
H319 : Causes serious eye irritation  
H340 : May cause genetic defects  
H350 : May cause cancer  
H370 : Causes damage to organs  
H372 : Causes damage to organs through prolonged or repeated exposure

### Precautionary statements

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  
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  
P264 : Wash hands thoroughly after handling  
P270 : Do not eat, drink or smoke when using this product  
P280 : Wear protective gloves / protective clothing / eye protection / face protection  
P281 : Use personal protective equipment as required

### Response

P314 : Get medical advice / attention if you feel unwell  
P321 : Specific treatment (see Section 4 of SDS)  
P331 : Do NOT induce vomiting  
P362 : Take off contaminated clothing and wash before reuse  
P301 + 310 : IF SWALLOWED : Immediately call a POISON CENTER or doctor / physician  
P302 + 352 : IF ON SKIN: Wash with soap and water  
P307 + 311 : IF exposed : Call a POISON CENTER or doctor / physician  
P308 + 313 : IF exposed or concerned : Get medical advice / attention  
P332 + 313 : If skin irritation occurs : Get medical advice / attention  
P337 + 313 : If eye irritation persists : Get medical advice / attention  
P370 + 378 : In case of fire : Use appropriate media for extinction  
P303 + 361 + 353 : IF ON SKIN (or hair) : Remove / Take off immediately all contaminated clothing. Rinse skin with water/shower  
P305 + 351 + 338 : IF IN EYES : Rinse continuously with water for several minutes. Remove contactlenses if present and easy to do - continue rinsing

### Storage

P405 : Store locked up  
P403 + 235 : Store in a well ventilated place. Keep cool  
P501 : Dispose of contents/container to appropriate waste site or reclaimer in accordance with local or national regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances	CAS No.	%
<i>Thermoplastic acrylic polymer</i>	-	10-21
<i>Mineral spirits</i>	8052-41-3	7-15
<i>Xylene</i>	1330-20-7	3-7
<i>Low boiling point naphtha</i>	64742-95-6	1-3
<i>Substances determined to be non-hazardous</i>		Balance 100%

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### 4. FIRST-AID MEASURES

#### INHALATION

- > Move person to fresh air and call for medical assistance immediately.
- > If not breathing, give artificial respiration, if breathing is difficult, give oxygen. Keep at rest.

#### SKIN CONTACT

- > In case of contact, immediately flush skin with large amounts of water and soap while removing contaminated clothing and shoes.
- > If irritation persists, get medical attention.

#### EYE CONTACT

- > Immediately flush eyes with large amounts of water until irritation subsides.
- > Remove contact lens.
- > Obtain medical attention, preferably by an ophthalmologist, immediately.

#### INGESTION

- > DO NOT induce vomiting unless directed to do so by a medical personnel. Never give anything by mouth to an unconscious person. Keep at rest. Get medical attention immediately.

### 5. FIRE FIGHTING MEASURES

#### SUITABLE FIRE EXTINGUISHING MEDIA

- > Alcohol - resistant foam, Carbon dioxide, or dry chemical type.

#### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

- > Combustion products may include and are not limited to : Carbon monoxide and Carbondioxide.

#### SPECIAL PROTECTIVE ACTIONS FOR FIRE FIGHTERS

- > Wear full protective clothing and NIOSH - approved self - contained breathing apparatus.
- > Use water spray to cool fire - exposed surfaces and to protect personnel. If a leak or spill has not ignited, use water spray to disperse the vapours.
- > If possible, isolate product from heat, electrical equipments, sparks and open flames.
- > Avoid spraying water directly into storage containers.
- > Closed containers may explode when exposed to extreme heat.
- > Avoid spreading burning liquid with water, isolate liquid.
- > Do not allow runoff from fire fighting to enter drains or watercourses.

### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE

- > Wear appropriate protective equipment, e.g. respirators, eye protection, gloves and safety shoes.
- > Avoid substance contact with eyes. Do not inhale vapours.
- > Ensure supply of fresh air in enclosed rooms.

#### ENVIRONMENTAL PRECAUTIONS

- > Eliminate sources of ignition.
- > Keep public away.
- > Contain spilled liquid with sand or other non-combustible absorbent materials.
- > Wash area and prevent runoff into drains and sewerage system.
- > Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.

#### METHODS AND MATERIALS FOR CONTAINMENTS AND CLEANING UP

- > Clean up all spills immediately.
- > Absorb spill with absorbent and inert material, then place in container.
- > Disposal in accordance to local / national regulations.

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### 7. HANDLING AND STORAGE

#### PRECAUTIONS FOR SAFE HANDLING

- > Use appropriate personal protective equipment.
- > Keep out of reach of children.
- > Handle containers with care. Open slowly in order to control possible pressure release.
- > Do not pressurize containers.
- > Do not ingest. Do not breathe in gas / fumes / vapour. Avoid contact with skin and eyes.
- > For personal protection, see section 8.
- > Use only in areas from which all naked lights and other sources of ignition have been excluded.
- > Take precautionary measures against static discharge.
- > Protect from frost and extremes of temperature.

#### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- > Keep containers tightly closed.
- > Containers that are opened should be properly resealed and kept upright to prevent leakage.
- > Store in cool, dry and well - ventilated place at temperature between 20 ~ 40°C away from heat and sources of ignition.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### CONTROL PARAMETERS / OCCUPATIONAL LIMITS

Substances	ACGIH TLV-TWA		OSHA PEL-TWA	
	ppm	mg / m3	ppm	mg / m3
<i>Thermoplastic acrylic polymer</i>	-	-	-	-
<i>Mineral spirits</i>	-	-	-	-
<i>Xylene</i>	100	434.00	-	-
<i>Low boiling point naphtha</i>	-	-	-	-

#### APPROPRIATE ENGINEERING CONTROL MEASURES

- > Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.
- > Ensure eyewash stations and safety showers are close to the workstation location.

#### PERSONAL PROTECTION

<i>Respiratory Protection</i>	Use of NIOSH - approved respirators with organic vapour cartridges is recommended.
<i>Hand Protection</i>	Use of solvent resistance type or chemical resistant type of protective gloves is recommended.
<i>Eye Protection</i>	Use of safety glasses or goggles with side shields is recommended.
<i>Skin / Body Protection</i>	Wear chemical resistant clothes and safety shoes when handling product.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Odour	Aromatic hydrocarbon odour
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not available
Initial boiling point and boiling range	Between 137 and 162 °C
Flash point	23 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable
Lower flammability or explosive limit	1.1 % by vol
Upper flammability or explosive limit	7 % by vol
Vapour pressure	Not available
Vapour density	> 1.00 (Vapour is heavier than air)
Relative density	Not available
Solubility	Not Miscible in water
Partition coefficient	Not available
Auto-ignition temperature	> 280 °C
Decomposition temperature	Not available
Viscosity	80 - 84 KU

### 10. STABILITY AND REACTIVITY

#### REACTIVITY

No dangerous reaction known under condition of normal use.

#### CHEMICAL STABILITY

The product is stable under recommended storage and handling conditions. (see section 7)

#### POSSIBILITY OF HAZARDOUS REACTION

Under normal conditions of storage and use, hazardous reaction will not occur.

#### CONDITIONS TO AVOID

Keep away from oxidising agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions. Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, drill, grind or expose containers to heat or sources of ignition.

#### HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

### 11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself.  
Toxicological information of substances:

#### Acute oral toxicity

Harmful if swallowed

#### Substances

	Oral LD50(Rat), mg / kg
Thermoplastic acrylic polymer	4767.01
Mineral spirits	Data not available
Xylene	4300
Low boiling point naphtha	8400

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### Acute dermal / skin toxicity

May be harmful if in contact with skin

Substances	Dermal LD50 (Rabbit), mg / kg
<i>Thermoplastic acrylic polymer</i>	3443.01
<i>Mineral spirits</i>	Data not available
<i>Xylene</i>	1700
<i>Low boiling point naphtha</i>	Data not available

### Acute inhalation toxicity

Vapour concentrations above the recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system effects.

Substances	Inhalation Vapor LC50 (Rat), mg / L / 4hr
<i>Thermoplastic acrylic polymer</i>	5000
<i>Mineral spirits</i>	Data not available
<i>Xylene</i>	5000
<i>Low boiling point naphtha</i>	Data not available

### Skin corrosion or irritation

Causes skin irritation. Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

### Serious eye damage or irritation

May be an eye irritant

### Respiratory or skin sensitisation

Vapour concentrations above the recommended exposure levels may be irritating to the eyes and the respiratory tract

### Germ cell mutagenicity

No information available on the product

### Carcinogenicity

Titanium Dioxide

The International Agency for Research on Cancer (IARC) has classified Titanium Dioxide as possibly carcinogenic to humans (Group 2B) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals

### Reproductive toxicity

No information available on the product

### Specific Target Organ Toxicity (STOT) - single exposure

No information available on the product

### Specific Target Organ Toxicity (STOT) - repeated exposure

No information available on the product

### Asphyxiation hazard

May be harmful if swallowed and enters airways

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### 12. ECOLOGICAL INFORMATION

#### Toxicity

Aquatic toxicity - No data available

#### Persistence and degradability

Biodegradation - No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Result of PBT and vPvB assessment

No data available

#### Other adverse effects

There is no ecotoxicological test data available on the product itself. The product should not be allowed to enter drains or water courses.

### 13. DISPOSAL CONSIDERATIONS

The product should not be allowed to enter drains and watercourses.

Preferred methods of waste disposal are incineration or biological treatment in federal / state approved facility. Empty containers should be recycled or disposed through an approved wastemanagement facility or licensed contractor.

All federal, state and local environmental regulations shall be observed.

### 14. TRANSPORT INFORMATION

Transport to be in accordance with ADR / RID for road / rail, IMDG for sea and IATA for Air.

#### LAND TRANSPORT

Classified as Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road & Regulations concerning the international carriage of Dangerous goods (RID) by Rail.

<i>UN Number</i>	1263
<i>Proper shipping name</i>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
<i>Class</i>	Class 3
<i>Packaging Group</i>	III

#### SEA TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport of Sea.

<i>UN Number</i>	1263
<i>Proper shipping name</i>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
<i>Class</i>	Class 3
<i>Packaging Group</i>	III
<i>Marine Pollutant</i>	No



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### SEA (ANNEX II OF MARPOL 73 / 78 AND THE IBC CODE)

Not applicable

### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by Air

UN Number	1263
Proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
Class	Class 3
Packaging Group	III

## 15. REGULATORY INFORMATION

Applicable national regulations:

- > Standards on Hazard communication for hazardous chemicals and dangerous goods - SS 586 : Part 1 : 2014
  - Transport and storage of dangerous goods - SS 586 : Part 2 : 2014-GHS of classification and labelling of chemicals - SS 586 : Part 3 : 2008 (2014) - Preparation of safety data sheet
- > MOM : Workplace Safety and Health Act & Workplace Safety and Health (General Provisions)
  - This product is subject to SDS, labelling, PEL and other requirements in the Acts / Regulations.
- > NEA : Environmental Protection and Management Act & Environmental Protection and Management (Hazardous Substances) Regulations
  - This product is not subject to control under this Acts / Regulations.
- > SCDF : Fire Safety Act & Fire Safety (Petroleum and Flammable Materials) Regulations
  - This product is subject to the requirement of this Acts / Regulations.
- > SPF: The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives (Explosive Precursors) Rules
  - This product is not subject to the requirement of this Acts/Regulations.

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**SOLID GREEN TECH SOLUTIONS SDN. BHD.**  
(Co.No.1018765-P)

### FACTORY OFFICE

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