

# MATERIAL SAFETY DATA SHEET (MSDS)

## SOLIDGUARD



### SECTION I

## IDENTIFICATION

**Product Name** : SOLIDGUARD  
**Product Identifier** : 280886  
**Product Use/Class** : Water proofer  
**Manufacturer** : SOLID GREEN TECH SOLUTIONS SDN. BHD  
Lot 772 (10-14), Jalan Subang 4  
Kaw. Perindustrian Sg.Penaga  
47620 Subang Jaya, Selangor

**Revision Date** : 24/3/2017  
**Supersedes Date** : 5/12/2016  
**Preparer** : Regulatory Department

### SECTION II

## COMPOSITION

CAS#	CHEMICAL NAME	PERCENTAGE
N/A	Silane-based polymer	10~20%
26635-64-3	Iso-octane	1~5%
64742-94-5	Solvent oil	20~50%
74-98-6	Propane	20~30%

### SECTION III

## HAZARD IDENTIFICATION

**Do not use or store near heat, sparks, open flame or any other source of ignition.**

### POTENTIAL HEAT EFFECT

**Eyes** : May cause temporary irritation, tearing and blurred vision.

**Skin** : Can cause skin irritation. Prolonged or frequent skin contact may cause allergic reactions in some individuals.

**Ingestion** : May be harmful if swallowed. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe lung injury.

**Inhalation** : Excessive inhalation may be irritation to the respiratory tract.

**Chronic** : None known.

### SECTION IV

## FIRST AID MEASURES

**Eyes** : Hold eye open and rinse slowly and gently with water for 15~20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice.

**Skin** : Remove contaminated clothing. Rinse skin immediately with soap and water for 15~20 minutes. Call a poison control center or doctor for treatment advice.

**Ingestion** : If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Never give anything by mouth to an unconscious person.

**Inhalation** : Remove affected person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

### SECTION V

## FIRE FIGHTING MEASURES

### HMIS HAZARD CLASSIFICATION

**Health** : 1 - Slight Hazard

**Flammability** : 4 - Severe Hazard

**Reactivity** : 0 - Minimal Hazard

**HMIS Personal Protection** : B

### NFPA CODE 30B LEVEL 3

**Health** : 1 - Slight Hazard

**Flamability** : 4 - Severe Hazard

**Reactivity** : 0 - Minimal Hazard

**Flashpoint & Method** : - 30 °C

**Flammable Class** : N/A

**Extinguishing Media** : Carbon Dioxide ~ Dry Chemical ~ Foam. Use water to cool material stored in vicinity of fire.

**Hazardous Combustion Products** : Under fire conditions this product may decompose to give off toxic gasses such as carbon monoxide, carbon dioxide and nitrogen oxides.

**Firefighting Procedures** : Under fire conditions. Keep aerosol cans cool with a water stream.

**Sensitive to Static Discharge** : No.

### SECTION VI

## ACCIDENTAL RELEASE MEASURES

**Small Spill** : Remove all sources of ignition. Dike or contain release. Isolate and control access to the release area. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**Large Spill** : Remove all sources of ignition. Dike or contain release. Isolate and control access to the release area. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

**Environmental Precaution** : Remove all sources of ignition. Contaminated absorbent and wash water should be disposed of according to local, state and federal regulations.

### SECTION VII

## HANDLING AND STORAGE

**General Procedure** : Do NOT use or store near heat, sparks, open flame or other ignition source.

**Handling** : Avoid contact with skin, eyes and clothing. Avoid breathing vapors or spray mists of this product. Mechanical ventilation should be used when handling this product in enclosed spaces. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions on the label.

**Storage** : Store in a cool, dry area. Do NOT use or store near heat, open flame, ignition source or near strong acids, bases and oxidizers. Empty containers may retain product residues.

**KEEP OUT OF THE REACH OF CHILDREN**

# MSDS : SOLIDGUARD

## SECTION VIII

### EXPOSURE CONTROLS / PERSONAL PROTECTION EXPOSURE GUIDELINES: OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

CAS #	CHEMICAL NAME	COMMON NAME	%	OSHA (PEL)	ACGIH (TLV)	OTHER (LIMITS)
74-98-6	Propane		<15	1000	1000	None

**Engineering Controls :** Mechanical ventilation should be used when handling this product in enclosed spaces.

**Personal Protective Equipment Eyes & Face :** Take precautions to avoid contact with eyes.

**Skin :** Take precautions to avoid contact with skin and clothing.

**Respiratory :** Use in well ventilated areas. Take precautions to avoid breathing vapors or spray mist of this product.

**DO NOT SMOKE, EAT, OR DRINK WHILE SPRAYING THIS PRODUCT WASH HANDS THOROUGHLY AFTER USING THIS PRODUCT**

## SECTION IX

### PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid in pressurized aerosol can
Boiling Point	: 236 °F
Freezing Point	: Not determined for aerosol
Color	: Clear Liquid
Specific Gravity (H <sub>2</sub> O = 1)	: 0.65
pH	: N/A
Vapor Pressure (mm Hg)	: 43 psig @ 70 °F
Volatile by Volume	: 100
Vapor Density (Air = 1)	: > 1
Evaporation Rate (Water = 1)	: <1
Appearance & Odor	: Clear colorless liquid with mild petroleum odor
Solubility in Water	: Negligible
Viscosity	: Not determined for aerosol
VOC	: ~ 20%

## SECTION X

### STABILITY AND REACTIVITY

**Stable :** Yes

**Hazardous Polymerization :** Will NOT occur.

**Conditions to Avoid :** Avoid heat, sparks, open flames and other sources of ignition.

**Hazardous Decomposition Products :** Carbon monoxide, carbon dioxide and non-combusted hydrocarbons.

## SECTION XI

### TOXICOLOGICAL INFORMATION

**Acute Dermal LD50 :** N/D

**Oral LD50 :** N/D

**Inhalation LC50 :** N/D

**Eye Effects :** Minimally irritating.

**Skin Effects :** Mildly irritating.

**Sensitization :** N/D

**Comments :** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

## SECTION XII

### ECOLOGICAL INFORMATION

**Environmental Data :** Environmental data is not available for this product.

**Ecotoxicological Information :** This product may be toxic to fish or other aquatic organisms. Do NOT discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. Contact your State Water Board or Regional Office of the EPA for guidance.

## SECTION XIV

### TRANSPORT INFORMATION

#### Department of Transportation Requirements (D.O.T.) - Ground International - IMDG

Proper Shipping Name	: AEROSOLS, FLAMMABLE UN # UN 1950, Hazard Class 2.1, Packaging Exceptions Limited Quantity, Label Required Limited Quantity
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#### Air - IATA

Proper Shipping Name	: AEROSOLS, FLAMMABLE UN # UN 1950, Hazard Class 2.1, Packaging Exceptions Limited Quantity, Label Required Limited Quantity
Passenger and Cargo Aircraft	: Forbidden
Cargo Aircraft only	: Forbidden
Proper Shipping Name	: UN1950, AEROSOL CLASS 2.1 DIVISION 6.1, Packing Group II, No Marks Labels or Placards Required.

## SECTION XV

### REGULATORY INFORMATION

**U.S. Federal, State & Local Regulatory Information :** This product and/or its constituents listed herein are on the EPA TSCA inventory. Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/or local reporting requirements. This product and/or its constituents may also be subject to other federal, state or local regulations. Consult those regulations applicable to your operation.

**Clean Water Act :** Any spill or release of this product to "navigable waters" (essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (800-424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

# MSDS : **SOLIDGUARD**

## SARA Section 311/312 Hazard Categories :

**ACUTE HEALTH**  
Yes

**CHRONIC HEALTH**  
Yes

**FIRE**  
Yes

**SUDDEN OF PRESSURE**  
Yes

**RELEASE REACTIVITY**  
No

**SARA Section 313 Reportable Ingredients :** This product contains no toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) Of 1986 and 49 CFR 372.

COMPONENT	CAS #	MAX %
None	None	0

**SARA Section 302/304 Emergency Planning:** There are no SARA Title III Section 302 extremely hazardous substances present in this product (40 CFR 355).

**Volatile Organic Compound (VOC) :** This product contains 20% VOC's.

## SECTION XVI

### OTHER INFORMATION

The information contained in this Material Safety Data Sheet is furnished without warranty of any kind, expressed or implied. Information in this Data Sheet has been assembled by the manufacturer based on its own studies and on the work of others and is believed to be correct as of the date issued. However, no warranty of any kind is expressed or implied as to the accuracy, completeness, or adequacy of the information obtained herein. The Manufacturer shall not be liable, regardless of fault, to the vendee, the vendee's employees, or anyone for any direct, special or consequential damages arising out of, or in connection with, the accuracy, completeness, or adequacy of the information obtained herein. It is intended to assist in the normal safe usage of the product.

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 solidgreentech  @solidgreentech

 @solidgreentech  solidgreentech



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

## FACTORY OFFICE

Lot 772 (10-14), Jalan Subang 4,  
Kawasan Perindustrian Sg.Penaga,  
47620 Subang Jaya, Selangor, Malaysia.

☎ +603-8081 4777 / +603-8081 4776

☎ +603-8081 4771

✉ info@solidsolutions.com.my

🌐 www.solidsolutions.com.my

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