

MATERIAL SAFETY DATASHEET

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

Product Name	: SOLIDGROUT PU
Intended Use	: Low Viscosity Synthetic Polyurethane Injection Resin Grout
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. HAZARD IDENTIFICATION

Risk Phrases

R36/37/38	: Irritating to eyes, respiratory system and skin.
R40	: Limited evidence of a carcinogenic effect.
R42/43	: May cause sensitisation by inhalation and skin contact.
R48/20	: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety Phrases

S1/2	: Keep locked up and out of reach of children.
S23	: Do not breathe gas/fumes/vapour/spray (where applicable).
S36/37	: Wear suitable protective clothing and gloves.
S45	: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

Other hazards which do not result in classification
None known.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.
1,1'-METHYLENEBIS [ISOCYANATO] BENZENE (MDI ISOMER)	26447-40-5
POLYURETHANE PREPOLYMER	Not Available
Acetone	67-64-1

4. FIRST-AID MEASURES

Inhalation

> Remove to fresh air. If breathing has stopped, institute artificial respiration. Seek medical advice if symptoms persist.

Skin Contact

> Wash skin thoroughly with soap and water. Remove contaminated clothing. If symptoms persist, seek medical advice.

Eye Contact

> Rinse eyes thoroughly with water for at least 15 minutes, and seek medical advice.

Ingestion

> Do not induce vomiting. Dilute with water. Seek medical examination immediately.

5. FIRE FIGHTING MEASURES

Extinguishing Media

> In case of fire, use water spray (fog) foam, dry chemical, or CO2.

Fire Fighting Instruction

> Fire fighters should wear self-contained breathing apparatus and full protective gear.

Self Ignition

> Not self igniting.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precaution

- Use personal protective equipment.

Environmental Precaution

- Do not allow to enter drains or waterways, do not discharge into the subsoil / soil.

Methods for Cleaning Up

- Take up with absorbent materials (e.g: sand, universal binder). Dispose of as hazardous waste.

7. HANDLING AND STORAGE

Handling

- Ensure adequate ventilation at the workplace. Avoid open flames and sources of ignition.

Storage

- Keep away from food and drink. Store in a cool dry area and keep container tightly sealed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Control

- Use with adequate general and local exhaust ventilation.

Hygiene Measure

- Do not eat, drink, smoke or drug taking in work place. Wash hands before break or after work.

Respiratory Protection

- General room ventilation is normal adequate.

Hand Protection

- Chemical resistance gloves / PVC gloves.

Eye /face Protection

- Safety goggles with side shields.

Skin Protection

- Light protective clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: pale yellow liquid
Odor threshold	: -
Melting point	: -
Odor	: SLIGHT ODOUR
pH value	: -
Boiling Point / Boiling Range	: -
Decomposition Temperature	: Flammability (solid, gas)
Flash Point	: -
Autoignition Temperature	: -
Exposure Limits	: -
Vapor Pressure	: -
Vapor Density	: -
Specific density	: 1.03
Solubility in Water	: soluble
Evaporation rate	: -

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use.

Hazardous reactions

Polymerization will not occur.

Conditions to Avoid

Keep from heat, sparks, open flame and other sources of ignition. Avoid contact with strong oxidizing agents. Prevent vapor accumulation. THIS PRODUCT SHOULD NOT BE HEATED OR BURNED USING A DIRECT FLAME DEVICE.

Incompatibility

Strong acids or bases, oxidizing agents, halogenated hydrocarbons and selected amines.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide, ozone, hydrogen sulfide, oxides of aluminum, sulfur and various hydrocarbons.

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11. TOXICOLOGICAL INFORMATION

Target organs:

Skin, eyes and lungs.

Routes of exposure:

Contact with skin and eyes. Inhalation.

Symptoms:

Irritate skin, eyes and lungs.

Chronic toxicity or long term toxicity:

Long term exposure causes irritation of skin, eyes and lungs.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No specific data available on this product. Product may cause mechanical damage to aquatic organisms. The naphtha and mineral spirits components are expected to volatilize in the environment and to be moderately toxic to both freshwater and marine organisms.

Persistence and degradability:

No data available

Bio-accumulative potential:

No data available

Mobility in soil:

No data available

Other adverse effects:

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13. DISPOSAL CONSIDERATIONS

Waste disposal methods:

Waste disposal should be in accordance with existing federal, state and local environmental regulations.

Empty containers warnings:

Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

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14. TRANSPORT INFORMATION

International Transport Regulation	: None Allocated
The United Nations Number (Un-No)	: None Allocated
PACKING GROUP	: None Allocated
UN/ID NUMBER	: None Allocated
PACKING GROUP NUMBER	: None Allocated

Internal Transport regulation

Special Transport Way and Note	: Keep the temperature between 5°C and 40°C
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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

Status of global inventories:

All component(s) within this product is listed or exempted from the following country's chemical inventory:

USA - TSCA
 Australia - AICS
 Canada - DSL
 China - IECSC
 EU - EINECS/NLP
 Korea - KECI
 New Zealand - NZIoC
 Philippine - PICCS
 Taiwan - ECSI

Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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16. OTHER INFORMATION

Abbreviations and acronyms

ADR:

Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG:

International Maritime Code for Dangerous Goods

IATA:

International Air Transport Association

EINECS:

European Inventory of Existing Commercial Chemical Substances

ELINCS:

European List of Notified Chemical Substances

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European List of Notified Chemical Substances

CAS:

Chemical Abstracts Service (division of the American Chemical Society)

Flam. Liq. 2:

Flammable liquids, Hazard Category 2

Acute Tox. 3:

Acute toxicity, Hazard Category 3

Acute Tox. 5:

Acute toxicity, Hazard Category 5

Acute Tox. 4:

Acute toxicity, Hazard Category 4

Skin Corr. 1B:

Skin corrosion/irritation, Hazard Category 1B

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Skin Sens. 1:

Sensitisation - Skin, Hazard Category 1

Carc. 2:

Carcinogenicity, Hazard Category 2

STOT SE 3:

Specific target organ toxicity - Single exposure, Hazard Category 3

Aquatic Acute 1:

Hazardous to the aquatic environment - Acute Hazard, Category 1

Aquatic Chronic 1:

Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 3:

Hazardous to the aquatic environment - Chronic Hazard, Category 3

The information is based on our current level of knowledge and relates to the products in the states in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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