

DETAILED SAFETY DATA SHEET

SOLIDBOND SUPER TA



Eye

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

Product Name : SOLIDBOND SUPER TA
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
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2. HAZARD IDENTIFICATION

The product is classified as dangerous according to Directive 1999 / 45 / EC and its amendments.

Classification : Xi; R41, R37 / 38
Human health hazards : Risk of serious damage to eyes. Irritating to respiratory system and skin.
Additional hazards : Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

See No. 11 for more detailed information on health effects and symptoms.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	CAS number	%	EC number	Classification
Quartz (SiO ₂)	14808-60-7	50-75	238-878-4	Not classified. [2]
Cement	65997-15-1	35-50	266-043-4	Xi; R41, R37/38 [1][2]

See No. 16 for the full text of the R phrases declared above

[1] Substance classified with a health or environmental hazard; [2] Substance with a workplace exposure limit
Occupational exposure limits, if available, are listed in No. 8.

4. FIRST AID MEASURES

Ingestion

Get medical attention.

Inhalation

Do not induce vomiting unless directed to do so by medical personnel. Maintain an open airway. Seek immediate medical attention.

Skin

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Obtain medical attention if symptoms occur.

Eye

Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Notes to Physician

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See No. 11 for more detailed information on health effects and symptoms.

DETAILED SAFETY DATA SHEET

SOLIDBOND SUPER TA

5. FIRE FIGHTING MEASURES

Suitable

Use an extinguishing agent suitable for the surrounding fire.

Not Suitable

None known.

Hazardous Combustion Products

No specific fire or explosion hazard.

Special Exposure Hazards

Decomposition products may include the following materials:

- metal oxide / oxides.

Special Protective Equipment for Fire-Fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental Precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Large Spill

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal.

Small Spill

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container.

7. HANDLING AND STORAGE

Handling

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe dust. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

DETAILED SAFETY DATA SHEET

SOLIDBOND SUPER TA

Packaging materials

Recommended : Use original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Value Limits

Ingredient Name

Occupational Exposure Limits

Quartz (SiO₂)

EH40/2005 WELs (United Kingdom (UK), 8/2007).

TWA: 0.1 mg / m³ 8 hour(s). Form: respirable dust

Cement

EH40/2005 WELs (United Kingdom (UK), 8/2007).

TWA: 10 mg / m³ 8 hour(s). Form: inhalable dust

TWA: 4 mg / m³ 8 hour(s). Form: respirable dust

Recommended Monitoring Procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and / or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure Controls

Occupational Exposure Controls

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene Measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Respiratory Protection

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Particulate filter P

P1: Inert material; P2: Xn; P3: T, T+

No special measures required.

Hand Protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: Butyl rubber/nitrile rubber gloves.

Eye Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin Protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Use barrier skin cream.

Environmental Exposure Controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

DETAILED SAFETY DATA SHEET

SOLIDBOND SUPER TA

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : Powder.

Colour : Grey.

Odour : Odourless.

Important health, safety and environmental information

Flash point : Closed cup : Not applicable.

Loose bulk density : ~1450 kg / m³

Solubility : Soluble in the following materials : water

10. STABILITY AND REACTIVITY

Stability : The product is stable.

Conditions to avoid : No specific data.

Materials to avoid : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Potential Acute Health Effects

Inhalation : Irritating to respiratory system.

Ingestion : Irritating to mouth, throat and stomach.

Skin contact : Irritating to skin.

Eye contact : Severely irritating to eyes. Risk of serious damage to eyes.

Chronic effects : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

12. ECOLOGICAL INFORMATION

Environmental Effects

Avoid contact of spilt material and runoff with soil and surface waterways. Do not empty into drains; dispose of this material and its container in a safe way.

13. DISPOSAL CONSIDERATIONS

Methods of disposal

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

European Waste Catalogue (EWC)

16 03 04 inorganic wastes other than those mentioned in 16 03 03

Packaging

Completely emptied packaging or practically empty packaging containing dried/cured residues, once relieved of all pressure can be disposed of as non-hazardous waste. Packaging may still contain hazardous residues and disposal should undertaken by a licensed waste contractor. Any disposal practice must be in compliance with local and national laws and regulations.

DETAILED SAFETY DATA SHEET

SOLIDBOND SUPER TA

14. PHYSICAL AND CHEMICAL PROPERTIES

International Transport Regulations

ADR	: Not regulated.
IMDG	: Not regulated. Marine pollutant : No.
IATA	: Not regulated.

15. REGULATORY INFORMATION

EU Regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Hazard symbol or symbols	: Xi; Irritant
Risk phrases	: R41 - Risk of serious damage to eyes. R37 / 38 - Irritating to respiratory system and skin.
Safety phrases	: S2 - Keep out of the reach of children. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39 - Wear eye/face protection. S46 - If swallowed, seek medical advice immediately and show this container or label.
Remark	: 76 / 769 / EC / AI / 47.
VOC content (EU)	: VOC (w / w) : 0%

National Regulations

Regulatory information	: Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP 3) Control of Substances Hazardous to Health Regulations 2002 (COSHH) (as amended) Health & Safety at Work Act 1974, The Environmental Protection (Duty of Care) Regulations 1991. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007.
Guidance Publications	: EH40, Workplace Exposure Limits, HSE (as updated). Approved Code of Practice - Management of Health and Safety at Work, HSE General Approved Code of Practice to COSHH Regulations, HSE. HS (G) 53, Respiratory Protection Equipment - a Practical Guide for Users, HSE.

5 of 5



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(Co.No.1018765-P)

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