

MATERIAL SAFETY DATA SHEET

TA-37003

Time Semi Timeal

Version No. 2 - Revision Date : 2014-01-01

1. Product & Company Identification

Product Name Time Semi Timeal
Product Code TA-37003
Product Description See Technical Data Sheet
Recommended Use See Technical Data Sheet

Company Identification

Company Name Al-Daman Building Materials Company
Country Saudi Arabia
City Riyadh, 12384
Telephone +966 11 428 0000

2. Composition / Information On Ingredients

| MATERIAL OR COMPONENT | CAS NO | R PHRASES | WEIGHT % |
|-----------------------|---------------|-----------|-----------|
| Titanium dioxide | 13463-67-7 | --- | 15 - 22 % |
| Alkyd Resin | Not hazardous | --- | 20 - 30 % |
| White Spirit | 64742-48-9 | --- | 25 - 35 % |
| Calcium Carbonate | Not hazardous | 36,37,38 | 25 - 35 % |

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3. Hazard Identification

Effects of Exposure: Vapor , mist , dust is harmful to skin , mucous membrane , eyes & respiratory system irritation.

Primary Routes of Exposure

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Skin Absorption

None currently know.

Inhalation

In high concentration may cause drowsiness.

Eye Contact

Excess redness and swelling of the conjunctiva may occur. Does not injure eye tissues. Cause irritation, experienced as stinging and discomfort or pain.

Skin Contact

Contact may irritate or burn the skin. Prolonged contact causes mild to moderate local redness and swelling.

Effect of repeated over exposure

Non-evidence of adverse effect from available information

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4. First Aid Measures

Swallowing

Do not induce vomiting. Keep patient at rest. Seeking immediate medical attention.

Inhalation

Move victim to fresh air, call emergency medical care. If not breathing gives artificial respiration. If breathing is difficult give oxygen. Get prompt medical attention.

Eye Contact

Immediately flush eyes with a large amount of water for at least 15 minutes. Get prompt medical attention.

Skin Contact

Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. See a physician.

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5. Fire Fighting Measures

Flash Point: = 38 °C ASTM D-56

Unusual Hazard

Vapors can travel to a source of ignition and flash back.

Heated material can form flammable or explosive vapors with air. Toxic fumes are generated when material is exposed to fire or fire condition.

Extinguishing Agents

Use the following extinguishing media when fighting fires involving this material: Polar solvent (alcohols) foam – carbon dioxide – water spray – dry chemical

Small fire

Use dry chemical powder, CO2 foam and water supply.

Large Fire

Use water spray, fog or foam, Move containers or drums from fire areas, if you can do it without risk. Cool containers that are exposed to flames with water from the sides until and after fire is out.

Personal Protective Equipment

Wear self – contained breathing apparatus and full protective clothing.

Special Procedures

Use water spray to cool containers exposed to fire.

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6. Accident Release Measures

SAFETY PRECAUTIONS

- Open enclosed spaces to outside atmosphere.
- Wear protective clothing, boots, gloves & eye protection.
- Consult the safety measures listed under headings 7 and 8.

ENVIRONMENTAL PRECAUTIONS

Control the leaks & spills with non-combustible absorbent material such as

- Sand
- Earth
- Vermiculite.
- Diatom earth in drums for waste disposal.

CLEANING METHODS

If recovery is not visible :

- Admix with dry soil, sand or non-reactive absorbent & place in an appropriate chemical waste container.
- Transfer to containers by suction, preparatory for later disposal.
- Flush area with water spray.
- Clean – up personnel must be equipped with self-contained breathing apparatus & butyl rubber protective clothing.
- For large spills, recover spill material with a vacuum truck.

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7. Handling & Storage

These regulations relating to storage premises apply to workshops, showrooms where the product is handled or used.

HANDLING

- Handle in well ventilated area.
- Avoid contact with skin or eyes during handling / using.
- Do not eat, drink during handling / use.
- Avoid using in any spray application without strict conformance to all applicable electrical codes & exposure limits for maximum allowable airborne concentrations.

FIRE PREVENTION

- Prevent access of unauthorized personnel

RECOMMENDED EQUIPMENT AND PROCEDURE

- Packages, which have been opened, must be re-closed carefully & stored in an upright position.

STORAGE

- Keep away from oxidizers.
- Keep in cool, dry & ventilated place.
- Keep in closed container.
- Do not store in reactive metal containers.

Floor must be impermeable & form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

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8. Exposure Control / Personal Protection

TECHNICAL MEASURES

Ensure adequate ventilation, if possible with extractor fans at workplace & appropriate general extraction. Personnel should wear regularly laundered overalls. If this ventilation is insufficient to maintain concentration of fumes below the exposure limits, wear breathing apparatus.

SAFETY BREATHING APPARATUS

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

HAND PROTECTION

Protective creams may be used for exposed skin, but they should not be applied after contact with the product. In the event of the prolonged or repeated contact with the hands, use appropriate gloves.

EYE AND FACE PROTECTION

Use eye protectors designed to protect against liquid splashes.

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9. Physical And Chemical Properties

| | |
|--------------------------------------|----------------------|
| Color | Colors |
| State | Liquid |
| Odor | Usual to solvent |
| pH | Not Applicable |
| Flash Point | 38 °C |
| Specific Gravity (Water = 1) | 1.3-1.4 |
| Vapor Pressure | Not defined |
| Vapor Density (Air = 1) | - |
| Melting Point | - |
| Boiling Point | 150-205 °C (/60mmHg) |
| Solubility in water | Immiscible |
| Evaporation Rate (Butyl Acetate = 1) | 550 |
| Lead content (%) | Nil |

10. Stability And Reactivity

Instability

This material is considered stable. However, avoid contact with ignition sources (e.g. sparks, flame, heated surfaces).

Hazardous Combustion or Decomposition Product

Burning may produce carbon monoxide, carbon dioxide. When heated it emits irritating fumes, can react vigorously with oxidizing materials.

Hazardous Polymerization

Product will not go undergo polymerization.

Incompatibility

Avoid contact with strong oxidizing agent.

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11. Toxicological Information

Acute Date

The following information is based on toxicity profiles of the most potentially hazardous component of this material.

LD50 Oral : >5.0 g/Kg rats

LD50 Skin Contact : >3.0 g/Kg rabbits

LD50 inhalation : > Not estimated.

Longer inhalation of concentrated solvent in the product which exceed the threshold limit value (150) could cause irritation of mucous tissues of respiratory system or even affect normal functioning if kidney, liver and central nervous system. Ingestion can damage the tissue of the digestive system. Longer and intensive contact with skin can cause the loss of subcutaneous skin fat and dermatitis.

12. Ecological Information

- The product contains 100% of volatile organic components in total of the regulation relating to the emission of substances in air.
- Biodegradability of the product in the natural in the natural environment is relatively long.
- Prevent spillage on soil, in water streams, water reserves, sewage systems and biological water treatment facilities.

13. Disposal Consideration

For disposal, incinerate this material at a facility that complies with local, state, and federal regulations. regulations under the control of Pollution & Environmental protection.

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14. Transport Information

Transport by rail and by road

Class : 3 No : 30

Labeling of vehicles – hazard code : 30 UN No. : 1866

Symbol of hazard : 3

Transport By Sea (IMDG)

IMO PSN Code : LCT

IMO Proper Shipping name : Paint or Paint related material.

UN Hazard Class : 3 UN Number 1866

IATA Label : Flammable liquid.

Symbol of Hazard : 3

15. Statutory / Regulatory Information

- This preparation is classified in compliance with the directive known as " All preparations " 1999 / 45 / EC. In addition directive 2001 59 / EC with the 28 adoption of directive 67 / 548 / EC (Hazardous substances) have been taken into account.

R Phrases:

- R 22 Harmful if swallowed
- R 36 / 38 Irritating to eyes and skin.
- R 51 / 53 Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

S Phrases:

- S 23 Do not breathe vapor or spray.
- S 24 Avoid contact with skin.
- S 62 If swallowed do not induce vomiting, seek medical advice.

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16. Other Information

- Since we do not know the end users working conditions, the information provided in this safety data sheet is based on our current level of knowledge.
- The information provided in this safety data sheet relates to the product in the state 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.
- The product must not be used for any purpose other than those specified under heading 1 without first obtaining written handling instructions.
- It is all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
- The information given in this safety data sheet must be regarded as a description of the safety requirements relating to our product & not guarantee of its properties.

MSDS