

Product Safety Data Sheet

HexMortar™ TMG-31007

1. PRODUCT AND COMPANY INFORMATION

1.1 HexMortar™ TMG-31007 is a dry blended pre-bagged high strength shotcrete, plaster, and grout for Domestic and Commercial Construction use.

1.2 Product Name: HexMortar™ TMG-31007.

1.3 Manufacturing Company Name: GtM Action Ltd.

1.4 Place of Manufacture: Contract production facility, North Island, New Zealand.

1.5 Poisons Information Centre: (0800) 764 766 New Zealand.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation of the preparation:

Product Description: Sand, Aggregate, General Purpose Cement, Graphene and additive blend for use in General Construction.

| Components. CAS Number Proportion | Risk Phases |
|---|-------------------------|
| Sand (Crystalline Silica) 40-80% | R48/20, Carc. Cat 1 R49 |
| Portland Cement 15-40% 65997-15-1 | R37/38, R41 |
| Additives to enhance workability, 0.5-5% Includes Graphene (CAS: 1034343-98-0) | |

3. HAZARDS IDENTIFICATION

HSNO Classification: Classified as Hazardous according to the criteria in the HS (Minimum degrees of Hazard) Regulations 2001.

- Subclasses:
- Subclass 6.1D – Substances that are acutely toxic - Harmful
 - Subclass 6.5A – Substances that are respiratory sensitisers
 - Subclass 6.5B – Substances that are contact sensitisers
 - Subclass 8.2C – Substances that are corrosive to dermal tissue UN PGIII
 - Subclass 8.3A – Substances that are corrosive to ocular tissue

4. FIRST AID MEASURES

4.1 After contact with the eyes: Immediately rinse eyes with running water for at least 15 minutes. Seek Medical attention immediately

4.2 After Contact with Skin: If skin irritation occurs wash the affected area with water. Consult a doctor if the irritation remains.

4.3 After Inhalation: Not expected to cause detrimental effects, but if inhalation occurs, remove the person from exposure, give artificial respiration if required. Seek medical attention immediately.

4.4 After Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

5. FIRE FIGHTING MEASURES

5.1 Product is not considered flammable.

5.2 Extinguishing Media: All Extinguishing Media.

5.3 Special Fire Fighting Procedures: Protective Clothing, goggles and self-contained breathing equipment should be available. Evacuate area downward of fire.

5.4 Unusual Fire and Explosive Hazards: Hazardous products of combustion: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

6.1 Spills: Wear appropriate protective equipment and a particulate respirator when dusts present. In the case of large spill amounts, do not allow the product to enter drains, sewers or water ways. Sweep up spills and contain.

6.2 Disposal: Dispose of waste at an approved waste disposal facility.

7. HANDLING AND STORAGE

7.1 Handling:

- No special measures required to prevent fire and explosion
- Put on appropriate personal protective equipment. Avoid breathing dust
- 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 or smoking

7.2 Storage:

- Do not contaminate drinking water, food or feed by storage or disposal
- Store in accordance with local regulations
- Store in original bags, protected from direct sunlight in a dry, cool and well-ventilated area
- Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Ventilation: In processes where dusts may be generated, proper ventilation must be provided in accordance with good ventilation practices.

8.2 Personal protective equipment:

- Eye Protection: Safety Goggles
- Hand Protection: PVC Gloves
- Skin and body protection: Protective clothing, PVC apron and boots
- Respiratory protection: Approved particulate respirator for when dust may be generated.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: Solid
- Colour: Grey
- Odour: No Odour
- Solids 100%
- Solubility in water 30-50%
- pH: 12.0 (approx.)

10. STABILITY AND REACTIVITY

- Stability: Stable under normal operating conditions
- Materials to avoid: Prevent contact with Oxidisers
- Hazardous decomposition Products: Carbon oxides
- Dangerous reactions: None

11. TOXICOLOGICAL INFORMATION

11.1 Health Effects:

- Swallowed: May be harmful if swallowed
- Eye: May cause physical irritation to eye
- Skin: May cause a slight irritation
- Inhaled: May cause irritation if inhaled

12. ECOLOGICAL INFORMATION

Avoid losses to the environment.

13. DISPOSAL CONSIDERATIONS

- Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation
- Waste should not be disposed of untreated to a sewer
- Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Empty bags and liners may retain some product residues.
- Dispose of waste to an approved waste disposal facility

14. TRANSPORT REGULATIONS

- Ensure that persons transporting the product know what to do in the event of an accident or spillage

15. REGULATORY INFORMATION

R Phrases R37/38, R41R48/20, R49

S Phrases S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28: After contact with skin, wash immediately with plenty of water and soap

16. DOCUMENT HISTORY & DISCLAIMER

Date of Issue: 01/09/2022

Version: 1.0

Date of Previous Issue: n/a

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