

FAST-ACT

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: FAST-ACT
Use(s): Chemical neutralisation

Manufacturer

Timilon Technology Acquisitions LLC
12557 New Brittany Boulevard
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Phone + 239 330 9650

Distributor

Enware Australia Pty Limited
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Caringbah
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2. HAZARD IDENTIFICATION

Non-Hazardous Substance, Non-Dangerous Good

Hazard Category: This product is classified as: Non-Hazardous according to the criteria of the Office of the Australian Safety and Compensation Council.

Risk Phrase(s): R36/38: Irritating to eyes and skin

Safety Phrase(s): S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

Class: Non-Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for transport by Road and Rail.

Subsidiary Risk: None allocated

Poison Schedule: None allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity

Name	CAS No.	Proportion %
Titanium Dioxide	13463-67-7	Unknown
Magnesium Oxide	1309-48-4	Unknown

4. FIRST AID MEASURES

- Ingestion:** Do NOT induce vomiting due to risk of aspiration. Give water to drink. Never give an unconscious person anything by mouth. If vomiting occurs place victim's face down with head below hips to prevent vomit entering the lungs. Seek medical attention.
- Eye Contact:** Hold eye open and flush with flowing water for 15 minutes including the eyelids. Obtain IMMEDIATE medical attention.
- Skin Contact:** Can be absorbed through the skin. Remove contaminated clothing and shoes. Wash with soap and water and flush with flowing water for 15 minutes. Wash clothes before re-use. If irritation persists seek medical attention.
- Inhalation:** Avoid becoming a casualty. Remove patient to fresh air. Remove any contaminated clothing. Keep patient warm and at rest. Seek medical attention.
- Note to Physician:** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Specific hazards:** Non-combustible material.
- Suitable Extinguishing media:** Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
- Precaution for Fire-Fighters and Special Protective Equipment:** Decomposes on heating emitting toxic fumes, including those of oxides of sulphur. Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

- Emergency Procedures:** Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local Emergency Services.
- Containment & Clean Up:** Soak up small spills with absorbent material. Place residues in suitable, covered, properly labelled container. Contain large spills using absorbent material or diking and place in recovery or salvage drums or pump to a salvage tank for proper disposal. For large spills, notify Emergency Services.

7. HANDLING AND STORAGE

Precautions for safe handling:	Store in cool place out of direct sunlight. Store away from incompatible materials as listed in Section 10. Keep containers closed when not in use.
Storage:	Store in a cool dry area. Store in sealed containers to avoid slow reactions with carbon dioxide and moisture in the air.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls:	General and local ventilation.
Personal Protection:	<p>As with any nuisance dust, the use of NIOSH approved respirators is recommended in cases where prolonged exposure is expected or exposure is above PEL. Mechanical ventilation of work areas is recommended when prolonged exposure to dust may be present. Workers should wash exposed skin thoroughly after any possible exposure.</p> <p>FAST-ACT FORMULATION RNP-212 can absorb moisture and natural oils from the surface of skin during prolonged exposure. Prolonged contact should be avoided by wearing protective clothing.</p>

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White powder
Odour:	No odour
Bulk Density:	0.7g/ml
Surface Area:	$\geq 300\text{m}^2/\text{g}$
Typical Moisture Content:	$\leq 2.5\%$
Typical loss on Ignition:	7%
pH:	11.5
Particle Size:	Mean = 4.8 μm

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous	None
Polymerization:	
Incompatible	Exothermic reaction with strong acids and oxidizing agents, phosphorous pentachloride, trichlorides, and chlorine. Will absorb CO ₂ from air.
Materials:	
Decomposition	None
Products:	

11. TOXICOLOGICAL INFORMATION

Irritancy:	LD ₅₀ Dermal (rabbit) >5kg LD ₅₀ Oral (rabbit) >2g/kg Inhalation (rats) TWA = 825 mg/m ³ /four hours : nontoxic Eye (rabbit): slightly irritating, EPA Cat. III Sensitizer: non-sensitizer
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Teratogen: No

Mutagen: No

Chronic TiO₂ dust inhalation exposure (250 mg/m³ for 6hours /day, 5day/week for 2 years) can be potential carcinogen to rats. The authors of this study concluded that based on the excessive dust loading and overwhelming clearance mechanism in the lungs of rats exposed chronically at 250 mg/m³, the biological relevance of lung tumours to man appears to be negligible.

A number of epidemiology studies evaluating > 20,000 TiO₂ industry workers in Europe and the United States have been reported. Workers employed for at least six months in TiO₂ production were assessed using company records and quality controls, taking into account the different manufacturing procedures used at the sites as well as the actual relative levels of exposure to respirable TiO₂. Findings from each of the studies were similar, in that the authors concluded that the results did not suggest a carcinogenic effect of Ti O₂ dust on the human lung and the mortality from other chronic diseases, including other respiratory diseases, was not associated with

exposure to TiO₂ dust. Based upon the results of these studies, Timilon concludes that titanium dioxide will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

12. ECOLOGICAL INFORMATION

There is no data available for this product.

13. DISPOSAL CONSIDERATION

Dispose of in accordance with federal, state and local council regulations. Can be landfilled or incinerated, when in compliance with local council regulations.

14. TRANSPORT INFORMATION

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA,IMDG

15. REGULATORY INFORMATION

Additional Information None

16. OTHER INFORMATION

Revision Date: Thursday, November 05, 2015

This MSDS has been prepared in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(2003)].

This product has been labeled in accordance with the National Occupational Health and Safety Committee the National Code of Practice for Labelling Hazardous Substances and Dangerous Goods in the Workplace [NOHSC:2012(2002)].

All components of this material are listed in the Australian Inventory of Chemical Substances (AICS) as per the Industrial Chemicals (Notification & Assessment Act) 1989.

Sources of Data: Suppliers Material Safety Data Sheets for the ingredients.

Disclaimer:

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End of MSDS