



MATERIAL SAFETY DATA SHEET

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1. Identification of Substance.

Trade name: Thermilate

Manufacturer/Supplier: Biotech Australasia Pty Ltd, 11/13 Swaffham Road, Minto NSW 2566 Australia.

Telephone: (02) 9603 488 **Fax:** (02) 9603 4499

2. Composition and data on components.

TSCA registry Numbers This product is a mixture under TSCA : Ceramic Composite Spheres

Identification Numbers: CAS # 13350-30-4

CAS # 1302-93-8

3. Hazard Identification.

Non Flammable
Not listed as a Toxic chemical under SARA
No Know Chronic Hazards

Health

Eye Contact : Causes irritation

Skin Contact: May cause dehydration and irritation

Symptoms:-

Eye Contact: Redness and Tearing

Skin Contact: Dryness, itching or burning

Inhalation: Sneezing and dryness of mucus membranes

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4. First Aid.

Inhalation: Move to area free from risk of further exposure to area with fresh air. Administer oxygen or artificial respiration, if needed. Get medical attention

Eye Contact: Flush with tepid water for at least 15 minutes keeping eyes open. Seek medical attention if irritation develops.

Skin Contact: Wash affected area with soap and water. Seek medical attention if irritation develops.

Ingestion: Not likely route of exposure. If large amounts of product are ingested, give 2 glasses of water and get prompt medical attention. Never give anything by mouth to an unconscious person.

5. Fire fighting measures and explosion Hazards.

Flash point and Method: Non combustible

Flammable limits: LEL: NA UEL: NA

Special fire fighting procedures: None

Extinguishing media: Will not burn, select fire fighting media and or fire extinguishers that are appropriate for fighting the surrounding fire.

Special Fire Fighting Procedures: Use NIOSH approved self-contained breathing apparatus with full face operated in pressure demand or positive pressure mode. Wear full fire fighting protective clothing.

Unusual fire fighting and explosion hazards: Not an explosion hazard

6. Accidental Release Measure.

Secure Area;

Obtain and wear necessary personal protective clothing.

Obtain necessary equipment. Scoop up material and place in appropriate container for reuse or disposal.

Do not allow material to enter sewers or waterways.

Wet moping or vacuuming to clean up small amounts.

EPA RCRA ID Number: N/A

Dispose according to item 1

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7. Handling and Storage.

Precautions to be taken in handling and storing:

Keep containers closed. Store in a cool dry place. Any dust generated during handling or processing should be removed by sweeping, vacuuming and wet moping. Avoid breathing dust.

8. Exposure Controls and Personal Protection.

Personal Protection equipment should be worn.

Respiratory: Use NIOSH – certified dust respirator where dust occurs. Observe OSHA regulations for respiratory use (29CFR 1910.134) The evaluation need for a respiratory protection should be determined by a professional hygienist.

Eye Protection: Safety glasses are recommended.

Protective Gloves: Cotton gloves are usually sufficient to protect hands from irritation from handling this product. Wear Polymer gloves if prolonged exposure to the powder is expected.

Personal Hygiene: Avoid breathing dust. Wash thoroughly after handling.

Ventilation: If dust is generated during processing or use, local Exhaust should be provided to reduce exposure. The need for exhaust system should be evaluated by a professional hygienist. Local exhaust systems should be designed by a professional engineer OSHA permissible exposure limit or ACGIH threshold limit value have not been established. Recommended ceiling limit 5mg/m³.

Engineering Control: Use adequate ventilation.

All chemicals should be handled so as to prevent eye contact and excessive repeated skin contact. Appropriate eye and skin protection should be employed. Inhalation of dust and vapors should be avoided. Proper Personal protective equipment selection should follow recommendations provided in the hazard analysis done for the task involved, or as determined by a professional industrial hygienist.

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9. Physical and chemical properties.

Appearance: Inert Solid dry powder

Colour: White

Odour: None

Melting Point: 1800

Boiling Point: NA

Vapour density (Air=1): NA

Vapour pressure: NA

Solubility In water: Negligible

Bulk Density: 0.4gcc

% Volatile by volume: 0

PH: NA

10. Stability and reactivity.

Conditions causing instability: Stable None known

Incompatibility (materials to avoid): None known

Hazardous Decomposition products: May include oxides of aluminum at high temperatures

Special Sensitivity: None Known

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11. Toxicological Information.

Chronic Hazard: No known chronic Hazards, not listed by OSHA, NTP or IARC as a carcinogen

Acute Toxicity:

Effects of overexposure: No known health hazards

LD50 Oral (Ingestion): No applicable information found

LD50 Dermal (ski contact): No applicable information found

LD50 Inhalation: No applicable information found

Primary Route of exposure: Inhalation

Acute: High dust concentrations may cause mechanical eye irritation and upper respiratory irritation. Prolonged skin contact with dust may result in dryness

Medical Conditions Aggravated by Exposure: Asthma and lung disease

Chronic: Exposure to dusts may cause Pneumoconiosis

12. Ecological Information.

Environmental Hazard: None known

Not listed as a Toxic chemical under SARA title III, #302, #304, #313

13. Disposal Considerations.

Disposal in a landfill in accordance with applicable local, state, county, federal law and regulations

This material if discarded is not defined as hazardous. Not an RCRA hazardous waste

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14. Transport Information.

DOT Regulations

DOT Hazard Class: Not Applicable

DOT Shipping Name: Not Applicable

15. Regulations.

SARA Title III, this products contains the following reportable substances: None

OSHA Hazard communication categories: irritant, eye hazard and lung hazard

SARA: Fire – No **Pressure:** No

No DOT labels are required, No DOT Hazard number has been assigned, and no DOT shipping restrictions apply

This product is a mixture under TSCA list

16.

This information should be used as a supplement to other information obtained to make independent judgment of suitability and to endure proper use and protect health and safety of employees.

Judgments as to the suitability of the information herein for the purchaser's purposes are necessarily purchaser's responsibility. Therefore although reasonable care has been taken in the preparation of such information. Thermilate extends no warranties, makes no representations and assumes no responsibility as to the accuracy or suitability of such information for application to purchasers intended purpose or for consequences of its use.