

Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Identifier

Product Name SpeedSet FS
Synonyms None

1.2 Uses and Uses Advised Against

Use(s) A liquid designed to make any cement based product set and develop initial strength fast=-]]

1.3 Details of the Supplier and the Product

Supplier Name **Bonded Technologies Pty Ltd**
Address 10 Worthing Ave Castle Hill NSW Australia
Telephone +61 (02) 9138 0627
Email info@bondedtechnologies.com
Website www.bondedtechnologies.com

1.4 Emergency Telephone Numbers

Emergency +61 (02) 9138 0627 (7am to 5pm Monday to Friday EST)
Emergency (A/H) 13 11 26 (Poisons Information Centre Australia)
Emergency (A/H) 0800 764 766 (Poisons Information Centre New Zealand)

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

GHS classification(s) Eye irritation - category 2

2.2 Label elements

Signal word **WARNING**
Pictogram(s)



Hazard statement(s)

H319 Causes serious eye irritation

Prevention statement(s)

P264 Wash hands thoroughly after use.
P280 Wear eye protection.

Response statement(s)

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

Storage statement(s)

None allocated.

Disposal statement(s)

None allocated.

2.3 Other hazards

No information provided.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

| Ingredients | CAS Number | Content |
|---------------------------|---------------|-----------|
| Calcium Chloride | 10043-52-4 | 40-60% |
| Non-hazardous Ingredients | Not Available | Remainder |

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|-----------------------------|--|
| Eye | If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes. |
| Inhalation | If inhaled, remove from contaminated area to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. |
| Skin | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water (and soap if available). Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor. |
| Ingestion | For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting. |
| First aid facilities | Eye wash facilities and safety shower should be available. |

4.2 Most important symptoms and effects, both acute and delayed

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop seek medical advice/attention.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Non-flammable. May evolve toxic gases if strongly heated

5.3 Advice for firefighters

No fire or explosion hazard exists.

5.4 Hazchem code

None allocated.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of this SDS. Clear area of all unprotected personnel. Contact emergency services where appropriate.

6.2 Environmental precautions

Prevent product from entering drains and waterways.

6.3 Methods of cleaning up

Contain spillage, then collect and place in suitable containers for reuse or disposal.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation.

Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from moisture, incompatible substances and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

7.3 Specific end use(s)

No information provided.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure standards

| Ingredient | Reference | TWA | | STEL | |
|------------------|-------------------|-----|-------------------|------|-------------------|
| | | ppm | mg/m ³ | ppm | mg/m ³ |
| Calcium Chloride | GETIS (Canada) | - | 5 | - | - |

No exposure standard has been developed by SWA

Biological limits

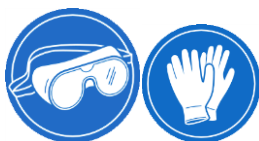
No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering controls Handling in normal situations does not involve any special ventilation requirements.

PPE

Eye / Face Wear safety glasses or dust-proof goggles when handling material to avoid contact with eyes.
Hands Wear PVC, rubber or cotton gloves when handling material to prevent skin contact.
Body Normal work clothes are appropriate.
Respiratory Under normal conditions there is no indication for respiratory protection.



Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | | | |
|-------------------------|---------------|----------------------------------|---------------|
| Appearance | WHITE | Solubility (water) | < 10 g/L |
| Odour | SLIGHT ODOUR | Vapour pressure | NOT AVAILABLE |
| Flammability | NON FLAMMABLE | Upper explosion limit | NOT RELEVANT |
| Flash point | NOT RELEVANT | Lower explosion limit | NOT RELEVANT |
| Boiling point | NOT AVAILABLE | Partition coefficient | NOT AVAILABLE |
| Melting point | > 1200°C | Auto ignition temperature | NOT AVAILABLE |
| Evaporation rate | NOT AVAILABLE | Decomposition temperature | NOT AVAILABLE |
| pH | 11 to 13 | Viscosity | NOT AVAILABLE |
| Vapour density | NOT AVAILABLE | Explosive properties | NOT AVAILABLE |
| Specific gravity | 1.5 kg/l | Oxidising properties | NOT AVAILABLE |
| | | Odour threshold | NOT AVAILABLE |

9.2 Other information

Density 1500 kg/m³

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

10.2 Chemical stability

Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

Hazardous polymerization is not expected to occur.

10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials

None under normal use.

10.6 Hazardous decomposition products

May evolve toxic gases if heated to decomposition.

Section 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| | |
|-----------------------|--|
| Acute toxicity | No known toxicity data is available for this product. Based on available data, the classification criteria are not met. |
| Skin | This product is not expected to be a skin hazard. Prolonged and repeated exposure may cause skin dehydration and irritation skin conditions. |
| Eye | Direct contact with eyes may cause temporary irritation through mechanical abrasion |
| Sensitization | This product is not classified as a skin or respiratory sensitiser. |
| Mutagenicity | Insufficient data available to classify as a mutagen |

| | |
|---------------------------------|--|
| Carcinogenicity | This product is no classified as carcinogenic. |
| Reproductive | Insufficient data available to classify as a reproductive toxin. |
| STOT - single exposure | Not classified |
| STOT – repeated exposure | Not classified. |
| Aspiration | This product is not expected to be an aspiration hazard. |

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity

May be harmful to the aquatic environment due to the alkaline nature of the product. This product is non-toxic to aquatic organisms when present as a cured solid.

12.2 Persistence and degradability

Product is persistent and would have a low degradability

12.3 Bioaccumulative potential

This product is not expected to bioaccumulate.

12.4 Mobility in soil

A low mobility would be expected in a landfill situation.

12.5 Other adverse effects

Avoid contamination of drains and waterways.

Section 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

| | |
|-----------------------|--|
| Waste disposal | Reuse or recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required) |
| Legislation | Dispose of in accordance with relevant local legislation. |

Section 14. TRANSPORTATION INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

| | LAND TRANSPORT (ADG) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|------------------------------------|---------------------------------|---------------------------------------|--|
| 14.1 UN Number | None Allocated | None Allocated | None Allocated |
| 14.2 Proper Shipping Name | None Allocated | None Allocated | None Allocated |
| 14.3 Transport hazard class | None Allocated | None Allocated | None Allocated |
| 14.4 Packing Group | None Allocated | None Allocated | None Allocated |

14.5 Environmental hazards

No information provided

14.6 Special precautions for use

Hazchem code None Allocated

Section 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

| | |
|-----------------------------|---|
| Poison schedule | A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). |
| Classifications | Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals |
| Inventory listing(s) | AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt. The components of this product are not classified as dangerous good. |

Section 16. OTHER INFORMATION

Additional information

16.1 PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

16.2 HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

16.3 Abbreviations

| | |
|-------------------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS # | Chemical Abstract Service number - used to uniquely identify chemical compounds |
| CNS | Central Nervous System |
| EC No. | European Community Number |
| GHS | Globally Harmonized System |
| IARC | International Agency for Research on Cancer |
| LC50 | Lethal Concentration, 50% / Median Lethal Concentration |
| LD50 | Lethal Dose, 50% / Median Lethal Dose |
| mg/m³ | Milligrams per Cubic Metre |
| OEL | Occupational Exposure Limit |
| pH | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm | Parts Per Million |
| STEL | Short-Term Exposure Limit |
| STOT | RE Specific target organ toxicity (repeated exposure) |
| STOT | SE Specific target organ toxicity (single exposure) |
| SUSMP | Standard for the Uniform Scheduling of Medicines and Poisons SWA Safe Work Australia |
| TLV | Threshold Limit Value |
| TWA | Time Weighted Average |

16.4 Revision history

16.5 Report status

This document has been compiled by the manufacturer of the product and serves as their Safety Data Sheet ('SDS'). The information presented herein is based on data considered to be accurate as of the date of preparation of this SDS. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorisation given or implied to practice any patented invention without a licence. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, without a risk assessment for safe use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the products.

This Safety Data Sheet (SDS) applies only to the formulated material as supplied by Bonded Technologies. It does not apply where the formulation has been altered. In this case a new SDS may be required to reflect the modified material. Contact Bonded Technologies for further information.

Printed documents are uncontrolled. Refer to www.bondedtechnologies.com regularly for a more recent copy of the SDS where it exists.

Prepared by **Bonded Technologies Pty Ltd**
10 Worthing Ave
Castle Hill NSW Australia
Ph: +61 (02) 9138 0627
Fax: +61 (02) 97573525

Email: info@bondedtechnologies.com
Website: www.bondedtechnologies.com

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(END SDS)