

MATERIAL SAFETY DATA SHEET

abilspray

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product Name : abilspray
Recommended Use : Additive to concrete – particularly shotcrete
Supplier : Ability Building Chemicals Company
ACN : 007 247 289
Address : 133-135 Northern Rd, West Heidelberg, Victoria 3081.
Telephone : 61 3 9457 6488
Facsimile : 61 3 9458 4683
Emergency Contact : 61 3 9457 6488

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE;NON-DANGEROUS GOOD

Hazard Category : Irritant
Risk Phrases : R48
Safety Phrases : S36/37
Class : Not applicable
Subsidiary Risk : Not applicable
Packing Group : Not applicable
Poison Schedule : Not scheduled

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Identity</u>	<u>CAS No</u>	<u>Proportion</u>	<u>Hazard</u>
Fly Ash	68131-74-8	Approx. 90%	Xi
Silicon Dioxide (precipitated amorphous silica)	7631-86-9	< 9%	-
Silica – crystalline, quartz	14808-60-7	< 1%	Xi

MATERIAL SAFETY DATA SHEET

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4. FIRST AID

- Ingestion** : If swallowed and patient is conscious, wash out mouth thoroughly with water. DO NOT induce vomiting.
DO NOT give anything by mouth to unconscious patient.
Seek medical attention if irritation or discomfort occurs.
- Eye** : Immediately flush with fresh water for at least 15 minutes.
Ensure adequate flushing by separating eyelids with fingers.
Seek immediate medical attention if irritation continues.
- Skin** : Wash thoroughly with soapy water and rinse with fresh water.
Remove contaminated clothing and footwear and wash before reuse or storage.
Seek medical attention if irritation or discomfort occurs.
- Inhalation** : Move patient immediately to fresh air and if necessary apply artificial respiration. If breathing with difficulty give oxygen.
Seek medical advice if irritation or discomfort occurs.
- First Aid Facilities** : Eyewash and safety shower should be available in workplace.
- Advice to Doctor** : Treat symptomatically.

NB: Poison Information centre in each Australian State capital city can provide additional assistance for scheduled poisons. (Phone Australia 131 126)

5. FIRE FIGHTING MEASURES

- Fire/explosion hazard**: Product itself is not flammable.
- Fire Fighting advice** : Ensure use of SCBA units and full protective equipment to avoid contact with dust or fumes.
- Extinguishing Media**: Water spray, dry chemical, carbon dioxide or appropriate foam according to surrounding fire.
- Decomposition Products**: Combustion products may include dust.

6. ACCIDENTAL RELEASE MEASURES

- Spills and disposal** : Ensure protective overalls, gloves and safety goggles are worn by cleanup personnel. Use approved respirators if needed.
Contain spillage and avoid entry into drains and waterways.
Carefully sweep spillage together (or vacuum) to allow collection – the wetting of the product with a water spraying is preferable.
Avoid raising dust.
Collect spillage into appropriately labeled containers for storage awaiting reuse or disposal via the local waste facility as per the requirements of government legislation.
Thoroughly wash the spillage area with water to complete.

MATERIAL SAFETY DATA SHEET

abilspray

7.HANDLING AND TRANSPORT

Safe Handling : Ensure all containers are sealed when not in use.
Information : Store in a cool, dry and well ventilated area.

Precautions for Use : Only to be used as per recommended use.

8.EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards : No specific airborne exposure standard set for this product but we recommend a TLV = 10 mg/m³ as for a nuisance dust.
NOTE: Respirable crystalline silica level should be kept below 0.1 mg/m³ TWA (OSHA)

Engineering Controls: Ensure effective ventilation (exhaust and/or natural) at the workplace is adequate to avoid dust in the immediate vicinity. Regular sweeping or vacuuming work area to prevent dust accumulation is required.

Personal Protection : Wear full overalls, gloves and safety goggles when handling the product. Avoid skin and eye contact as well as inhalation. If there is a dust potential then use of P1 or P2 particulate respirator (as per AS1715) is recommended. Always wash hands before eating, drinking, smoking or using the toilet.
Wash any contaminated clothing or protective equipment before reuse or storage.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Fawn coloured fine powder.
Specific Gravity : Approx. 2.4
Vapour Pressure : Not applicable
pH, 1% aqueous : No data available
Boiling Point : Not applicable
Melting Point : > 1400°C
Solubility : Practically insoluble in water.
Flash Point : Not applicable
Flammability Limits : Not flammable

10. STABILITY

Stability / Polymerisation: Stable under normal storage conditions.
Incompatible materials and conditions : No particular issues.

MATERIAL SAFETY DATA SHEET

abilspray

11. Toxicological Information

No adverse health effects are expected if the product is handled in accordance with this Material Safety Data Sheet and the product label.

Symptoms that may arise if the product is mishandled are –

Acute Effects:

Ingestion : Swallowing this material may cause abdominal discomfort.

Eye : Irritating to the eyes and mechanical damage may occur.

Skin : May cause skin irritation with prolonged contact.

Inhalation : If dust inhaled, may cause irritation to the throat and respiratory tract resulting in coughing and shortness of breath.

Chronic Effects: R48 Repeated inhalation of dusts containing crystalline silica can cause bronchitis, silicosis (scarring of lung) and lung cancer. It may also increase the risk of scleroderma – a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs.

Toxicology:

No product specific data available.

12. ECOLOGICAL INFORMATION

Environmental Fate : Avoid contaminating waterways.

Aquatic Toxicity : Product will deposit into soil and sediment.
Product is not degradable.

Terrestrial Toxicity : No data available.

MATERIAL SAFETY DATA SHEET

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13. DISPOSAL CONSIDERATIONS

Dispose of the product as per local government regulations.
Ensure containers are effectively cleared of product and disposed of according to local authority requirements.

14. TRANSPORT INFORMATION

Is not classified as a Dangerous Good by the Criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

UN Number : Not applicable
Proper Shipping Name : Not applicable
Class : Not applicable
Subsidiary Risk : Not applicable
Packing Group : Not applicable
Hazchem Code : Not applicable
Segregation Dangerous Goods: Not applicable

15. REGULATORY INFORMATION

Poison Schedule : Not scheduled

MATERIAL SAFETY DATA SHEET

abilspray

16. OTHER INFORMATION

Date of Preparation : 14 April 2005
Date of Revision (No) : Not applicable
Reason for Issue : New MSDS

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End of MSDS