



SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Identifier

Product Name ANTI-SLIP ADDITIVE AS400™
Synonyms ANTI-SLIP MEDIA • GLASS SHARDS • SUSPENDING FILLER • CERAMIC FILLER

1.2 Uses and uses advised against

Uses ADDITIVE TO PROVIDE ANTI-SLIP PROPERTIES IN COATING SYSTEMS

1.3 Details of the Supplier of the Product

Supplier Name DURABLE CONCRETE COATINGS PTY LTD
ABN 48 602 499 052
Address 10 Lapis Street, Underwood, QLD, 4119, Australia
Telephone 1300 800 054
Email sales@durableconcretecoatings.com.au
Website <http://www.durableconcretecoatings.com.au>

1.4 Emergency Telephone Numbers

Poison Information Centre 13 11 26

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

2.2 Label Elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

General Statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.

Hazard Statements

None allocated.

Prevention Statements

None allocated.

Response Statements

None allocated.

Storage Statements

None allocated.

Disposal Statements

None allocated.

2.3 Other Hazards

No information provided.

3. COMPOSITION/INFORMATION OF INGREDIENTS**3.1 Substances / Mixtures**

Ingredient	CAS Number	EC Number	Content
GLASS, OXIDE (NON-CRYSTALLINE)	65997-17-3	266-046-0	0-100%
ALUMINOSILICATE OXIDE	1344-28-1	215-691-6	0-100%
AMORPHOUS ALUMINOSILICATE MATERIALS	1327-36-2	215-475-1	0-100%
PROPRIETARY NON HAZARDOUS INGREDIENTS	Not Available	Not Available	0-100%

Ingredient Notes

Ingredients (not listed above) are considered trade secret and determined not to be hazardous, below cut off limits, or do not affect classifications. Contains no free silica. All components are amorphous (non-crystalline).

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. Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Ingestion	For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.
First aid facilities	None allocated.

4.2 Most important symptoms and effects, both acute and delayed

See section 11 for more detailed information on health effects and symptoms.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

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

OSHA Flammability Class: Combustible solid. Product is non-flammable under normal conditions of use. May evolve toxic gases if strongly heated or burned.

5.3 Advice for firefighters

Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code

None allocated.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions

Prevent product from entering drains and waterways.

6.3 Methods of cleaning up

If product is damaged, seal and minimise fibre release. Clean spill site using a micro-filter equipped industrial vacuum or by wet sweeping. Reuse where possible or place in a sealable bag for safe disposal to an approved landfill.

6.4 Reference to other sections

See sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

7.1 Precaution 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

No special requirements for the storage of this product.

7.3 Specific end uses

No information provided.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure Standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Non-respirable fibres, inspirable dust	SWA (AUS)	-	2	-	-
Synthetic mineral fibres, respirable fibres	SWA (AUS)	-	0.5 f/ml	-	-

Biological Limits

No biological limit values have been entered for this product.

Engineering controls

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

PPE

Eye/Face

Wear dust-proof goggles.

Hands

Wear PVC or rubber gloves.

Body

Wear coveralls. When using large quantities or where heavy contamination is likely, wear rubber boots.

Respiratory

Where an inhalation risk exists, wear a class P1 (Particulate) respirator or a Class P2 (Particulate) respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	GRANULAR PARTICLES
Odour	ODOURLESS
Flammability	NON FLAMMABLE (see Section 5 for detailed information)
Flash Point	NOT RELEVANT
Boiling Point	NOT AVAILABLE
Melting Point	160°C to 1400°C
Evaporation Rate	NOT AVAILABLE
pH	7 to 9
Vapour Density	NOT AVAILABLE
Specific Gravity	0.75 to 2.5
Solubility (water)	INSOLUBLE
Vapour Pressure	NOT AVAILABLE
Upper Explosion Limit	NOT AVAILABLE
Lower Explosion Limit	NOT AVAILABLE
Partition Coefficient	NOT AVAILABLE
Autoignition Temperature	NOT AVAILABLE
Decomposition Temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive Properties	NOT AVAILABLE
Oxidising Properties	NOT AVAILABLE

Odour Threshold NOT AVAILABLE
VOC < 0.5% g/L

9.2 Other information

Bulk density 500 to 1000 kg/m³ (Approximately)
Particle size 30 um to 5mm

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

Compatible with most commonly used materials.

10.6 Hazardous decomposition products

May evolve toxic gases when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin	Contact may result in irritation, redness, and rash.
Eye	Contact with fibres may result in irritation, redness, pain and rash.
Sensitisation	Not classified as causing skin or respiratory sensitisation.
Mutagenicity	Insufficient data available to classify as a mutagen.
Carcinogenicity	The glass filament contained in this product is reported to be non respirable and is not classifiable as to its carcinogenicity in humans (IARC Group 3).
Reproductive	Insufficient data available to classify as a reproductive toxin.
STOT - single exposure	Over exposure may result in respiratory irritation of the nose and throat, with coughing. The fibres contained within this product are reported to be non respirable.
STOT - repeated exposure	Insufficient data available to calssify as causing organ damage from repeated exposure.
Aspiration	Not classified as causing aspiration.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

This product is not expected to be hazardous to the environment.

12.2 Persistence and degradability

Does not readily degrade.

12.3 Bioaccumulative potential

Not expected to bioaccumulate.

12.4 Mobility in soil

Insoluble in water.

12.5 Other adverse effects

No information provided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal	Dispose of to landfill. If product is damaged or dusts are likely, place in a sealed, appropriately labelled plastic bag, then dispose to landfill.
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT 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 user

Hazchem code None allocated.

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.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

Hazard Codes None allocated.

Risk Phrases None allocated.

Safety phrases None allocated.

Inventory Listings **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**
All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information GLASSWOOL (FIBREGLASS) - ROCKWOOL - MINERAL WOOL TILES: Please note that stringent standards are required when installing fibrous glass and ceramic materials. NOHSC and Building Industry Standards and procedures exist for the use of these products.

SYNTHETIC MINERAL FIBRES (SMF), also known as Man Made Mineral Fibre: Refers to synthetic fibrous inorganic substances made primarily from rock, clay, slag or glass.

These fibres may be divided into three general groups;

(i) GLASSFIBRES or FIBREGLASS (comprising glasswool and glass filament);

(ii) ROCKWOOL/SLAGWOOL; and

(iii) CERAMIC FIBRES.

If any of the fibres are classified as "respirable", they can be inhaled into the deepest part of the lungs.

GLASSFIBRES - FIBREGLASS (comprising glasswool and glass filament): Glasswool is formed by blowing or spinning molten glass. An entangled matt of fibrous material results and may contain 'respirable' fibres (diameter < 3 microns, length > 5 microns, length to width ratio greater than 3:1). Glass filament or reinforcing filament is extruded or continuously drawn from molten glass and has a relatively large diameter, usually greater than 6 microns, and a narrow range of diameter distribution. These continuous filaments are usually non-respirable.

GLASSWOOL (FIBREGLASS): MINERAL FIBRE Worksafe exposure standards for synthetic mineral fibres are:

* TWA for respirable fibres: 0.5 fibres/mL

*TWA for non respirable (inspirable) fibres > 3 microns: 2.0 mg/m³

It should be noted that these levels should be used as a guide only and all measures taken to keep levels as low as practicable.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, 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.

HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: form of product; 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 report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

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
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	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

Report status

This document has been compiled by DCC in good faith from the best information available at the time of issue. It is based on the present level of research and on behalf of the manufacturer, importer or supplier of the raw materials, or products and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to DCC by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While DCC has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness, since conditions of use are beyond our control. As far as lawfully possible, DCC accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

(END OF SDS)