



The Chemical Company

MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: MEYCO MS 695

Product Code: None allocated.

Recommended use: Amorphous silica solution for use in normal and sprayed concrete.

Company: BASF Construction Chemicals Australia Pty. Ltd. ABN. 46 000 450 288
BASF Construction Chemicals New Zealand Ltd.

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2. HAZARDS IDENTIFICATION

Hazard Classification: NON HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS
Non Hazardous Substance according to the criteria of NOHSC
Non Dangerous Goods for transport according to the ADG code.
Slightly irritating to skin and eyes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Aqueous solution of colloidal amorphous silica.

Chemical Name	CAS Number	Proportion
Amorphous Silica	7631-86-9	10 – 40%
Non hazardous ingredients		to 100%

All ingredients listed on AICS

4. FIRST AID MEASURES

Inhalation: Not a normal route of exposure. However, if inhalation does occur, remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. Seek medical attention

Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.

Skin: Remove contaminated clothing. Wash contacted areas thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before re-use.

Ingestion: Do not induce vomiting; immediately rinse mouth with water and give large quantities of water to drink. If necessary, seek medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do NOT give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use extinguishing agent suitable for type of surrounding fire.

Hazards from combustion products: None known.

Precautions and equipment for fire fighters: None known

Hazchem code:

None allocated

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up: Caution slippery when spilt. Stop leak if possible without risk. Spills should be contained by absorbing with dry inert filler (vermiculite, sand or soil), which can then be shovelled into appropriately labelled drums for disposal. Carefully dilute with water (fine spray or fog). Wash down area with excess water into a containment area or contain with inert filler for disposal. Spills in a contained area such as a bund can be removed by a commercial bulk liquid waste disposal organisation.

Environmental precautions: Do not discharge into sewers or waterways.

7. HANDLING AND STORAGE

Precautions for safe handling: Use normal handling precautions applicable to industrial chemicals.

Conditions for safe storage: Store between 5°C and 25°C in closed dark containers made of anti-corrosive material. Does not stand freezing. Do not store in light metal containers (aluminium).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Ventilation is generally not required.

Personal Protective Equipment (PPE): This product is not classified as hazardous, so PPE is not normally essential. However, it is generally recommended that contact with any chemical be kept to a minimum. Following is a guide to suggested PPE that may be utilised for handling this product.

Respiratory protection: Not normally applicable. Avoid mists.

Glove type (AS2161): Impervious gloves e.g. PVC or nitrile rubber gauntlets

Eye protection: Chemical worker's goggles or safety glasses.

Clothing: General protective clothing such as overalls or long pants and a long sleeve shirt or a chemical apron. Remove contaminated clothing as soon as possible. Launder thoroughly before reusing. For large spills or ponded areas impervious footwear is preferred.

Other: Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Clear liquid, slightly opalescent	<u>Solubility in water:</u>	Soluble
<u>Odour:</u>	Odourless	<u>Specific gravity:</u>	ca 1.4
<u>pH:</u>	9 - 10	<u>Flash point (°C):</u>	Not applicable
<u>Boiling point:</u>	100°C	<u>Evaporation rate:</u>	Not available
<u>Freezing point:</u>	Not available	<u>Vapour Pressure:</u>	24mm Hg at 25°C
<u>Coagulation Point:</u>	0°C		

10. STABILITY AND REACTIVITY

Chemical stability: Stable. Not sensitive to mechanical impact.

Incompatible materials: Frost or contact with acids causes the product to gel. Avoid drying out of the sol as this can lead to a build up of dust.

Hazardous decomposition products: None.

Hazardous reactions: Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

<u>Toxicological Information</u>	The product contains amorphous silicon dioxide. No cases of silicosis have been reported from amorphous silica. LD50 (oral, rat) > 15g/kg Not mutagenic (Ames test)
<u>Inhalation:</u>	Not applicable.
<u>Eyes:</u>	May cause irritation.
<u>Skin Contact:</u>	Repeated or prolonged skin contact may lead to irritation.
<u>Skin Absorption:</u>	Does not absorb through skin.
<u>Ingestion:</u>	No adverse effects expected, however large amounts may cause nausea, diarrhoea and vomiting.
<u>Chronic:</u>	No information.

12. ECOLOGICAL INFORMATION

<u>Ecology:</u>	Do not discharge into sewers or waterways.
<u>Aquatic Toxicity:</u>	FISH: Zebra fish LC50 (96 hr) > 5000mg/l DAPHNIA: Ceriodaphnia EC50 (48 hr) = 7600 mg/l ALGAE: Selenastrum capricornatum IC50 (48 hr) = 440 mg/l.

13. DISPOSAL CONSIDERATIONS

<u>Disposal method and containers:</u>	Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.
<u>Special precautions for landfill or incineration:</u>	Normally suitable for disposal at approved waste sites.

14. TRANSPORT INFORMATION

<u>UN Number:</u>	None allocated	<u>EPG Card:</u>	None allocated
<u>UN Proper Shipping Name:</u>	Not regulated	<u>Packing Group:</u>	None allocated
<u>Dangerous Goods Class:</u>	None allocated	<u>Hazchem Code:</u>	None allocated
<u>Subsidiary Risk:</u>	None allocated	<u>Poisons Schedule:</u>	None allocated

15. REGULATORY INFORMATION

<u>Hazard designation:</u>	Nil
<u>Risk phrase(s):</u>	Nil
<u>Safety phrase(s):</u>	Nil

16. OTHER INFORMATION

Reason for issue: New product.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.