

ACS Grout HF

Hazardous according to criteria of Worksafe Australia

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

River Sands Pty Ltd
ACN 009 919 215
ABN 41 009 919 215
683 Beenleigh Redland Bay Rd
CARBROOK QLD 4129
Tel: +61 7 3287 6444
Fax: +61 7 3287 6445

Emergency Advice All Hours:
Australia Wide: 131 126

Product Name: ACS Grout HF
Use: Portland cement based shrinkage compensated grout.
UN Number: None allocated
Proper Shipping Name: None allocated
Dangerous Goods Class: None allocated
Packing Group: None allocated
Hazchem Code: None allocated
Poison Schedule: None allocated

2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
Silica Sand	30 to 60%	14808-60-7
Portland Cement	30 to 60%	65997-15-1
Silica Fumes	1 to 10%	69012-64-2
Non hazardous ingredients or below cut off concentrations	to 100%	-

3. HAZARD IDENTIFICATION

Hazardous according to the criteria of NOHSC. This product may contain crystalline silica.

ACUTE HEALTH EFFECTS

Swallowed: May cause nausea, stomach cramps and constipation.
May cause caustic burns.

Eye: In dust form, may cause burning and corneal scarring.

Skin: May cause irritation, burns and tissue damage. When mixed with water, the caustic properties of the cement in the mix can dry the skin and cause alkali burns.

ACS Grout HF

Hazardous according to criteria of Worksafe Australia

Inhaled: May irritate respiratory system if sufficient dust is inhaled. May aggravate an existing lung condition. Repeated inhalation may cause bronchitis, silicosis or a disabling form of pneumoconiosis which leads to fibrosis.

4. FIRST AID MEASURES

Swallowed: If swallowed, contact Doctor. **DO NOT induce vomiting.** Rinse mouth with water.

Eye: If in eyes, flush with plenty of water for at least 15 minutes, ensuring eyelids are held open and see a Doctor if irritation continues.

Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water.

Inhaled: Move to fresh air. Monitor for respiratory distress. Seek medical attention if irritation occurs.

First Aid Facilities: Eye wash fountain shall be available.

Advice to Doctor: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard: when wet in an underground or confined space can liberate small quantities of hydrogen gas, which is an explosion risk in these circumstances.

EXTINGUISHING MEDIA: Select to suit surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Contain run off water for later collection and controlled disposal.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

FLAMMABILITY: Non flammable.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY ACTION: None available.

SPILL OR LEAK PROCEDURE: None available.

SMALL SPILLS: Wipe up with absorbent tissues or cloth. Remove any spill residues with a small amount of water.

LARGE SPILLS: Prevent entering sewers or stormwater drains or waterways. Absorb with dry sand, vermiculite or special spill absorbent for water based materials. Dispose of by incineration or to landfill as permitted by local regulations.

ACS Grout HF

Hazardous according to criteria of Worksafe Australia

7. HANDLING AND STORAGE

No restrictions. Avoid accumulation of dust. Use local exhaust ventilation. Keep in dry, cool and well-ventilated area, as water contact will initiate setting of product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No exposure standards have been established for this material by NOHSC. However, exposure standards for ingredients are stated below:

Portland Cement Crystalline Silica

10mg/m³ TWA
0.1 mg/m³ respirable dust TWA
0.7 mg/m³ STEL

TWA

Time-Weighted Average airborne concentration over an eight hour working day, for a five-day working week over an entire working life.

STEL

Short Term Exposure Limit – the average airborne concentration over a 15 minute period which should not be exceeded at any time during normal eight-hour workday.

According to current knowledge these concentrations should neither impair the health, nor cause undue discomfort to, nearly all workers. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to, as low a level as is workable. Exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Controls

Use well-ventilated area. In Local ventilation should be considered if used in poorly ventilated or very confined space.

PERSONAL PROTECTION

Body Protection:

Suitable PVC or rubber apron, coveralls, safety shoes/boots. Dusty clothing should be laundered before reuse. Avoid creating dust when removing or laundering clothes.

Hand Protection:

Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves – Selection, use and Maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include method of handling, engineering controls as determined by appropriate risk assessments. Advice should be sought from appropriate glove manufacturers in order to ensure gloves are correct for application.

Eye Protection:

Safety glasses with side shields or goggles should be worn as described in AS/NZS 1337 – Eye Protectors for Industrial Applications. Final choice of appropriate eye/face protection will vary according to individual circumstances.

ACS Grout HF

Hazardous according to criteria of Worksafe Australia

Respiratory Protection:

Where dust is generated, and exposure levels do not exceed ten times the Workplace Exposure standards, a half face piece respirator fitted with a P1 filter complying to AS/NZS 1715 and AS/NZS 1716 is recommended.

Where exposure levels do exceed ten times the Workplace exposure standards, then a full face-piece respirator fitted with P2/P3 filter, or a powered air-supplied respirator fitted with P2 filter, should be used. Where exposure levels do exceed ten times the Workplace exposure standards, then a full face-piece respirator fitted with P2/P3 filter, or a powered air-supplied respirator fitted with P2 filter, should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716. Respiratory Protective devices, in order to make necessary changes for individual circumstances Filter capacity and respiratory type depends on the type of particulate i.e. dust or fume and exposure levels.

Final choice of appropriate respiratory protection will vary according to individual circumstances. This can include handling and engineering controls as determined by appropriate risk assessments.

Hygiene Measures

Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material. Wash hands thoroughly before eating, drinking, smoking, applying cosmetics or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey cement coloured free flowing powder
Boiling Point:	Not relevant
Vapour Pressure:	Not relevant
Bulk Density:	~1300 kg/m ³
Flash Point:	Not relevant
Flammability Limits:	Not relevant
Solubility in Water:	Insoluble, but reacts slowly with water to cure.

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions of use.
HAZARDOUS DECOMPOSITION PRODUCTS:	Minor ingredients could produce oxides of carbon or nitrogen in a fire.
HAZARDOUS POLYMERIZATION:	Will not occur.
INCOMPATIBILITIES:	None allocated.
CONDITIONS TO AVOID:	None allocated.

11. TOXICOLOGICAL INFORMATION

ACS Grout HF

Hazardous according to criteria of Worksafe Australia

No toxicological information is available for this product, however toxicity data found for constituents are stated below:

Crystalline silica is classified as a Class 1 Human Carcinogen according to IARC (International Agency for Research on Cancer), however the NATIONAL OCCUPATIONAL HEALTH AND SAFETY COMMISSION (NOHSC) has yet to classify crystalline silica as a human carcinogen.

Repeated exposure to respirable crystalline silica dust may lead to silicosis, or other serious delayed lung injury. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill health have occurred.

Silicosis can develop to a more serious degree even after exposure has ceased, and may also lead to other diseases including heart disease and scleroderma. Exposure to fine dust (respirable crystalline silica dust) contained in the products must be prevented to avoid risk of lung disease.

12. ECOLOGICAL INFORMATION

No environmental impact information is available for this product. Avoid contaminating waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.

14. TRANSPORT INFORMATION

UN Number:	None allocated
Proper Shipping Name:	None allocated
Dangerous Goods Class:	None allocated
Packing Group:	None allocated
Hazchem Code:	None allocated

15. REGULATORY INFORMATION

Poison Schedule: Not scheduled

Risk Phrases: R36/37/38 Irritating to eyes, respiratory system and skin
R49(2) May cause cancer by inhalation

Safety Phrases: S22 Do not breathe dust
S36/37/39 wear suitable protective clothing, gloves and eye/face protection.
S38 If insufficient ventilation, wear suitable respiratory equipment.

Hazard Category: Toxic, Irritant

16. OTHER INFORMATION

PRINCIPAL REFERENCES:

Material Safety Data Sheet – River Sands Pty Ltd
Issue date: 14th Dec 2009

ACS Grout HF

Hazardous according to criteria of Worksafe Australia

Issued by : Tess Flores – Technical Manager
Supersedes: All previous Material Safety Data Sheets Issued

The customer is advised to consult the product Technical Data Sheets for further information including advice on suitable equipment.

Information used in the compilation of this MSDS obtained from investigations conducted at outside laboratories.

REASONS FOR UPDATE: Regular update

MSDS's are updated frequently. Please ensure that you have a current copy.

Contact Point

Emergency Advice All Hours:

Australia Wide: 131 126

River Sands Pty Ltd

Tel: +61 7 3287 6444

Fax: +61 7 3287 6445

Contact: Paul Moorfoot – General Manager

Disclaimer

This Material Safety Data Sheet should be used in conjunction with the Technical Data Sheet. It does not replace them. The information given is based on our knowledge of the health and safety data of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended. If clarification or further information is needed to enable appropriate risk assessment, the user should contact River Sands Pty Ltd. Our responsibility for products sold are subject to our standard terms and conditions sent to customers. No liability whatsoever can be accepted with regard to the handling, processing or use of the product concerned which, in all cases, shall be in accordance with the appropriate regulations and / or legislation.

END OF DOCUMENT