

Reviewed: 8/10/2026



SAFETY DATA SHEET

Product Name: NS45 SELF-LEVELLING COMPOUND

SECTION 1 - IDENTIFICATION		
1.1	Product identifier	NS45 Self-Levelling Compound
1.2	Recommended use	Cement-based self-levelling floor underlayment
1.3	Supplier	Sure Level International Pty Ltd
1.4	Address	12 Northgate Drive, Thomastown VIC 3074, Australia
1.5	Telephone / email	03 9464 5189 info@surelevel.com.au
1.6	Poisons Information Centre	13 11 26 (Australia, 24 hours)
SECTION 2 - HAZARD(S) IDENTIFICATION		
2.1	Provisional GHS 7 classification: Skin Irritation Category 2; Serious Eye Damage Category 1; Specific Target Organ Toxicity – Single Exposure Category 3 (respiratory irritation); Carcinogenicity Category 1A (inhalation, crystalline silica); Specific Target Organ Toxicity – Repeated Exposure Category 1 (lungs, inhalation, crystalline silica).	
2.2	DANGER	
2.3	Hazard statements:	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H350i May cause cancer by inhalation. H372 Causes damage to lungs through prolonged or repeated exposure by inhalation.
2.4	Prevention:	Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing and eye/face protection. Use respiratory protection where exposure cannot be controlled.
2.5	Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call the Poisons Information Centre or a doctor. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned, get medical advice.
2.6	Storage/disposal:	Store locked up in a dry, well-ventilated place. Dispose of contents/container in accordance with local requirements.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS			
3.1	Ingredient	CAS number	Concentration
	Calcium sulfoaluminate / hydraulic cement	Mixture / supplier-specific	35-45%
	Redispersible polymer powder	Proprietary	15-30%
	Silica sand, including crystalline silica (quartz)	14808-60-7	25-40%
	Other non-hazardous ingredients	Mixture	Balance to 100%
	Exact identities and percentages may be withheld as confidential business information where permitted. The respirable crystalline silica content must be confirmed from raw-material specifications.		
SECTION 4 – FIRST AID MEASURES			
4.1	Inhalation:	Remove to fresh air. Keep at rest and monitor breathing. Seek medical attention if coughing, irritation or breathing difficulty persists.	
4.2	Skin:	Remove contaminated clothing. Brush off dry material, then wash thoroughly with soap and water. Obtain medical advice for persistent irritation or burns.	
4.3	Eyes:	Immediately rinse cautiously with clean water for at least 15 minutes, holding eyelids open. Remove contact lenses if easy. Continue rinsing and obtain urgent medical attention.	
4.4	Ingestion:	Rinse mouth. Do not induce vomiting. Give water if conscious. Contact the Poisons Information Centre (13 11 26) or a doctor.	
4.5	Symptoms:	Severe eye damage; skin irritation or alkaline burns when wet; respiratory irritation. Repeated inhalation of respirable crystalline silica can cause silicosis and lung cancer.	
SECTION 5 – FIREFIGHTING MEASURES			
5.1	The product is non-combustible. Use extinguishing media suitable for the surrounding fire. Firefighters should wear self-contained breathing apparatus where smoke or decomposition products are present. Avoid generating airborne dust.		
SECTION 6 – ACCIDENTAL RELEASE MEASURES			
6.1	Restrict access and ventilate the area. Avoid breathing dust and contact with eyes or skin. Wear the PPE specified in Section 8. Prevent entry to drains and waterways. Collect dry product using methods that minimise dust, preferably HEPA vacuuming or damp clean-up where appropriate. Place in a labelled container. Do not dry sweep with compressed air. Hardened material may generally be handled as construction waste, subject to local requirements.		
SECTION 7 – HANDLING AND STORAGE			
7.1	Avoid dust generation. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash hands and exposed skin after handling. Use in well-ventilated areas and maintain good housekeeping. Store in the original sealed packaging in a cool, dry and well-ventilated place, protected from moisture and incompatible materials. Keep out of reach of children.		

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION																				
8.1	<table><tr><th>Substance</th><th>Exposure standard (8-hour TWA)</th></tr><tr><td>Crystalline silica (quartz), respirable dust</td><td>0.05 mg/m3</td></tr><tr><td>Airborne dust not otherwise specified</td><td>10 mg/m3 inhalable dust (verify current jurisdictional standard)</td></tr></table>		Substance	Exposure standard (8-hour TWA)	Crystalline silica (quartz), respirable dust	0.05 mg/m3	Airborne dust not otherwise specified	10 mg/m3 inhalable dust (verify current jurisdictional standard)												
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Exposure standards do not define a safe boundary between safe and hazardous exposure. Apply the current Safe Work Australia and jurisdictional requirements.																				
8.2	Engineering controls:	Use local exhaust ventilation, enclosed mixing or on-tool extraction. Minimise bag tipping height and dust generation. Do not rely on natural ventilation where dusty work is undertaken indoors.																		
8.3	Respiratory protection:	Where exposure may exceed the standard, use a properly fitted particulate respirator selected, used and maintained in accordance with AS/NZS 1715 and AS/NZS 1716. Fit testing and a respiratory-protection program may be required.																		
8.4	Eyes/face:	Wear sealed chemical goggles; add a face shield where splashing of wet product is possible.																		
8.5	Hands/skin:	Wear impervious alkali-resistant gloves, protective clothing and safety footwear. Remove wet contaminated clothing promptly.																		
8.6	Hygiene:	Provide eyewash and washing facilities. Wash before breaks and after work.																		
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES																				
9.1	<table><tr><th>Property</th><th>Description</th></tr><tr><td>Appearance</td><td>Grey free-flowing powder</td></tr><tr><td>Odour</td><td>Low / characteristic</td></tr><tr><td>pH</td><td>Alkaline when mixed with water; exact value to be verified</td></tr><tr><td>Solubility</td><td>Partly soluble/reactive in water; forms a hardened cementitious mass</td></tr><tr><td>Flammability / flash point</td><td>Not flammable / not applicable</td></tr><tr><td>Boiling point / vapour pressure</td><td>Not applicable to a solid powder</td></tr><tr><td>Bulk density</td><td>Not determined</td></tr><tr><td>Explosive properties</td><td>Not expected under normal use</td></tr></table>		Property	Description	Appearance	Grey free-flowing powder	Odour	Low / characteristic	pH	Alkaline when mixed with water; exact value to be verified	Solubility	Partly soluble/reactive in water; forms a hardened cementitious mass	Flammability / flash point	Not flammable / not applicable	Boiling point / vapour pressure	Not applicable to a solid powder	Bulk density	Not determined	Explosive properties	Not expected under normal use
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SECTION 10 – STABILITY AND REACTIVITY																				
10.1	Stable under recommended storage and handling conditions. Reacts with water and hardens, producing an alkaline mixture. Avoid moisture during storage, uncontrolled dust generation and contact with strong acids. No hazardous polymerisation is expected. Hazardous decomposition products are not expected under normal use; fire involving packaging may generate carbon oxides and smoke.																			
SECTION 11 – TOXICOLOGICAL INFORMATION																				
11.1	Likely routes:	inhalation, eye contact, skin contact and accidental ingestion.																		

11.2	Acute effects:	Dust irritates the respiratory tract. Wet cementitious material is alkaline and may cause skin irritation, dermatitis or burns. Dust or wet material can cause serious eye damage.
11.3	Chronic effects:	Repeated inhalation of respirable crystalline silica may cause silicosis, other lung disease and lung cancer. Crystalline silica inhaled from occupational sources is carcinogenic to humans. Prolonged skin contact may cause irritant or allergic contact dermatitis in susceptible persons.
11.4	Numerical toxicity data:	No mixture-specific data available.
SECTION 12 – ECOLOGICAL INFORMATION		
12.1	Mixture-specific ecotoxicity data are not available. Large releases may increase water pH and may harm aquatic organisms. The inorganic cementitious fraction is not biodegradable. Prevent uncontrolled release to drains, soil and waterways.	
SECTION 13 – DISPOSAL CONSIDERATIONS		
13.1	Avoid generating dust. Reuse uncontaminated dry material where practicable. Product may be mixed with water and allowed to harden before disposal as construction waste where permitted. Dispose of product and packaging through an authorised facility in accordance with local, state and territory requirements. Do not wash uncured material into drains.	
SECTION 14 – TRANSPORT INFORMATION		
14.1	Regulatory field	Classification
	ADG Code	Not classified as Dangerous Goods
	UN number / proper shipping name	Not applicable
	Transport hazard class / packing group	Not applicable
	Marine pollutant	No
SECTION 15 – REGULATORY INFORMATION		
15.1	Prepared for use under Australian model Work Health and Safety requirements and GHS 7. Workplace controls for respirable crystalline silica and hazardous chemicals apply. This SDS is not a workplace risk assessment.	
SECTION 16 – OTHER INFORMATION		
16.1	Issue date	1 July 2026
16.2	Revision	1
16.3	Supersedes	Previous undated / non-GHS document
16.4	Reason for revision	Complete rewrite into Australian 16-section GHS 7 format
16.5	Abbreviations	ADG: Australian Dangerous Goods; GHS: Globally Harmonized System; PPE: personal protective equipment; TWA: time-weighted average
16.6	Preparation Date	8/10/2026
16.7	The information is provided in good faith for occupational health and safety. Users must assess risks for the actual task and comply with applicable laws and site procedures.	