



1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

PRODUCT NAME: CEMIX GROUT
OTHER NAMES: CEMGROUT - GP
CEMGROUT - HF
CEMGROUT - HS
CEMGROUT - RP
CEMGROUT - UW
RECOMMENDED USE: GROUT
HSNO APPROVAL: HSR002545
APPROVAL DESCRIPTION: CONSTRUCTION PRODUCTS (TOXIC [6.7A]) GROUP STANDARD 2006
UN NUMBER: NA
PROPER SHIPPING NAME: NA
PACKAGING GROUP: NA
HAZCHEM CODE: 1T (RECOMMENDED - NO HAZCHEM SIGNAGE NECESSARY)

COMPANY DETAILS

COMPANY: CEMIX CONSTRUCTION PRODUCTS LTD.
ADDRESS: 19 ALFRED STREET ONEHUNGA, AUCKLAND, NEW ZEALAND.
TELEPHONE: 64 9 636 1000
FACSIMILE: 64 9 636 0000
EMERGENCY CONTACT: 0800 ASK CEMIX

EMERGENCY TELEPHONE NUMBER: 0800 ASK CEMIX (275236)
POISON CENTRE NUMBER: 0800 764 766 (24 HOURS)

2. HAZARDS IDENTIFICATION

THIS PRODUCT HAS BEEN APPROVED UNDER THE HAZARDOUS SUBSTANCES AND NEW ORGANISMS ACT (HSNO, APPROVAL HSR002545), AND IS CLASSIFIED AS FOLLOWS:

CLASSES:

6.3A SKIN IRRITANT
8.3A EYE CORROSIVE
6.7A KNOWN CARCINOGEN
6.9A KNOWN HUMAN TARGET ORGAN TOXICANT
9.1D HARMFUL TO THE AQUATIC ENVIRONMENT

NOTE: GROUT IS CONSIDERED IRRITATING TO THE SKIN WHEN DRY; HOWEVER, THERE IS A POSSIBILITY OF BURNS IF WET ADHESIVE IS LEFT IN CONTACT WITH THE SKIN FOR A PROLONGED TIME.

OTHER CLASSIFICATIONS

THERE ARE NO OTHER CLASSIFICATIONS THAT ARE KNOWN TO APPLY.

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CEMIX LIMITED 15 Alfred Street Onehunga, Auckland, New Zealand.

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HAZARD AND PRECAUTIONARY STATEMENTS

HAZARD CAUSES SKIN IRRITATION.
CAUSES SERIOUS EYE DAMAGE.
MAY CAUSE CANCER.
CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE
HARMFUL TO AQUATIC LIFE.

PRECAUTIONARY

READ LABEL BEFORE USE.
WASH HANDS THOROUGHLY AFTER HANDLING.
WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING.
KEEP OUT OF REACH OF CHILDREN.
OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.
WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
DO NOT BREATHE DUST.
WASH HANDS THOROUGHLY AFTER HANDLING.
DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
AVOID RELEASE TO THE ENVIRONMENT. COLLECT SPILLAGE.
FURTHER PRECAUTIONARY STATEMENTS CAN BE FOUND IN SECTION 4 – FIRST AID.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	CAS NUMBER	CLASS	PROPORTION
SAND AND AGGREGATES	MIXTURE	6.7A, 6.9A	40-50%
PORTLAND CEMENT	65997-15-1	8.3A, 6.3A, 6.7A, 6.9A	45-55%
SILICA	7631-86-9	6.7A, 6.9A	0-10%
(CONTAINS CRYSTALLINE QUARTZ AND CRISTOBALITE)	14808-60-7		
	14464-46-1		
ALKALI EARTH ALUMINATE COMPOUND PROPRIETARY	PROPRIETARY	8.2C, 8.3A, 9.1D	0-10%
PLASTICISERS	PROPRIETARY/MIXTURE	6.3B, 6.4A	0 - 10 %
NON HAZARDOUS INGREDIENTS	PROPRIETARY	NON HAZARDOUS	0 - 30%

THIS IS A COMMERCIAL PRODUCT WHOSE EXACT RATIO OF COMPONENTS MAY VARY. TRACE QUANTITIES OF IMPURITIES ARE ALSO LIKELY.

4. FIRST AID

YOU SHOULD CALL THE NATIONAL POISONS CENTRE IF YOU FEEL THAT YOU MAY HAVE BEEN HARMED, BURNED OR IRRITATED BY THIS PRODUCT. THE NUMBER IS 0800 764 766 (0800 POISON) (24 HR EMERGENCY SERVICE). IF MEDICAL ADVICE IS NEEDED, HAVE THIS MSDS, PRODUCT CONTAINER OR LABEL AT HAND. IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ ATTENTION.

RECOMMENDED FIRST AID FACILITIES:

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EYE : IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. APPLY CONTINUOUS IRRIGATION WITH WATER FOR AT LEAST 15 MINUTES HOLDING EYELIDS APART. IMMEDIATELY CALL A POISON CENTER OR DOCTOR.

SKIN : IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION. WASH CONTAMINATED CLOTHING BEFORE RE USE.

SWALLOWED: IF SWALLOWED: DO NOT INDUCE VOMITING. RINSE MOUTH. CONTACT A DOCTOR IF YOU FEEL UNWELL.

INHALATION: IF INHALED: IF BREATHING IS DIFFICULT, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IF PATIENT IS UNCONSCIOUS, PLACE IN THE RECOVERY POSITION (ON THE SIDE) FOR TRANSPORT AND CONTACT A DOCTOR. IF EXPERIENCING RESPIRATORY SYMPTOMS: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

FIRST AID FACILITIES: READY ACCESS TO RUNNING WATER IS RECOMMENDED. ACCESSIBLE EYEWASH IS RECOMMENDED. HAND WASH, SOAP.

ADVICE TO DOCTOR: TREAT SYMPTOMATICALLY

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: THERE ARE NO SPECIFIC RISKS FOR FIRE/EXPLOSION FOR THIS CHEMICAL. IT IS NON-COMBUSTIBLE.

SUITABLE EXTINGUISHING SUBSTANCES: NOT APPLICABLE.

UNSUITABLE EXTINGUISHING SUBSTANCES: UNKNOWN.

PRODUCTS OF COMBUSTION: PRODUCT DOES NOT BURN. DUST MAY FORM IRRITATING ATMOSPHERE. PRODUCT WILL REACT EXOTHERMICALLY WITH WATER. CONTAMINATED WATER WIL BE STRONGLY ALKALINE. PRODUCT MAY DECOMPOSE IN A FIRE AND PRODUCE TOXIC OR CORROSIVE FUMES. PROTECTIVE EQUIPMENT: SELF-CONTAINED BREATHING APPARATUS. SAFETY BOOTS, NON-FLAMMABLE OVERALLS, GLOVES, HAT AND EYE PROTECTION.

HAZCHEM CODE: 1T (RECOMMENDED)

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6. ACCIDENTAL RELEASE MEASURES

- CONTAINMENT:** IF GREATER THAN 1000KG IS STORED, SECONDARY CONTAINMENT IS REQUIRED. EMERGENCY PLANS TO MANAGE ANY POTENTIAL SPILLS MUST BE IN PLACE. DO NOT WASH DOWN DRAINS.
- EMERGENCY PROCEDURES:** IN THE EVENT OF LARGE SPILLAGE (>100KG) OF THE DRY OR WETTED MIXTURE ALERT THE FIRE BRIGADE TO LOCATION AND GIVE BRIEF DESCRIPTION OF HAZARD.
WEAR PROTECTIVE EQUIPMENT TO PREVENT SKIN, EYE AND RESPIRATORY EXPOSURE. CLEAR AREA OF ANY UNPROTECTED PERSONNEL. CONTAIN SPILL. PREVENT BY WHATEVER MEANS POSSIBLE ANY SPILLAGE FROM ENTERING DRAINS, SEWERS, OR WATER COURSES.
- CLEAN-UP METHOD:** COLLECT PRODUCT AVOIDING ANY DUST FORMATION, AND SEAL IN PROPERLY LABELLED CONTAINERS OR DRUMS FOR DISPOSAL. IF CONTAMINATION OF CROPS, SEWERS OR WATERWAYS HAS OCCURRED ADVISE LOCAL EMERGENCY SERVICES. DO NOT WASH DOWN DRAINS.
- DISPOSAL:** MOP UP OR CAREFULLY SWEEP UP AND COLLECT RECOVERABLE MATERIAL INTO LABELLED CONTAINERS FOR RECYCLING OR SALVAGE. AVOID THE CREATION OF DUST. RECYCLE CONTAINERS WHEREVER POSSIBLE. THIS MATERIAL MAY BE SUITABLE FOR APPROVED LANDFILL. DISPOSE OF ONLY IN ACCORD WITH ALL REGULATIONS.
- PRECAUTIONS:** THE DUST MAY FORM IRRITATING ATMOSPHERE. CONTAMINATED WATER WILL BE STRONGLY ALKALINE. DO NOT ALLOW CONTAMINATED WATER TO ENTER THE ENVIRONMENT. WEAR PROTECTIVE EQUIPMENT TO PREVENT SKIN AND EYE CONTAMINATION AND THE INHALATION OF DUST. WORK UP WIND OR INCREASE VENTILATION.

7. HANDLING AND STORAGE:

- SAFE HANDLING:** AVOID STORAGE OF HARMFUL SUBSTANCES WITH FOOD. STORE OUT OF REACH OF CHILDREN. CONTAINERS SHOULD BE KEPT CLOSED IN ORDER TO MINIMISE CONTAMINATION. KEEP IN A COOL, DRY PLACE. AVOID CONTACT WITH INCOMPATIBLE SUBSTANCES AS LISTED IN SECTION 10.
- INFORMATION:** KEEP EXPOSURE TO A MINIMUM, AND MINIMISE THE QUANTITIES KEPT IN WORK AREAS. MINIMISE DUST GENERATION AND ACCUMULATION. SEE SECTION 8 WITH REGARD TO PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS. AVOID SKIN AND EYE

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CONTACT AND INHALATION OF DUST.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

WORKPLACE EXPOSURE STANDARDS

A WORKPLACE EXPOSURE STANDARD (WES) HAS NOT BEEN ESTABLISHED BY THE NZ DEPARTMENT OF LABOUR FOR THIS PRODUCT. THERE IS A GENERAL LIMIT OF 10MG/M3 FOR DUSTS AND MISTS WHEN LIMITS HAVE NOT OTHERWISE BEEN ESTABLISHED.

NZ WORKPLACE EXPOSURE STDS (OSH 2011)	INGREDIENT	WES-TWA	WES-STEL
	PORTLAND CEMENT	10MG/M3 (AS NUISANCE DUST)	NO DATA
	SAND	SEE CRYSTALLINE SILICA	NO DATA
	CRYSTALLINE SILICA	0.2MG/M3 (QUARTZ, RESPIRABLE DUST)	NO DATA
		0.1MG/M3 (CRISTOBALITE, RESPIRABLE DUST)	
	OTHER INGREDIENTS	NO DATA	

ENGINEERING CONTROLS: IN INDUSTRIAL SITUATIONS, IT IS EXPECTED THAT EMPLOYEE EXPOSURE TO HAZARDOUS SUBSTANCES WILL BE CONTROLLED TO A LEVEL AS FAR BELOW THE WES AS PRACTICABLE BY APPLYING THE HIERARCHY OF CONTROL REQUIRED BY THE HEALTH AND SAFETY IN EMPLOYMENT ACT 1992 (HSE). EXPOSURE CAN BE REDUCED BY PROCESS MODIFICATION, USE OF LOCAL EXHAUST VENTILATION, CAPTURING SUBSTANCES AT THE SOURCE, OR OTHER METHODS. IF YOU BELIEVE AIR BORNE CONCENTRATIONS OF MISTS, DUSTS OR VAPOURS ARE HIGH, YOU ARE ADVISED TO MODIFY PROCESSES OR INCREASE VENTILATION.

PERSONAL PROTECTION :

EYES: PROTECT EYES WITH GOGGLES, SAFETY GLASSES OR FULL FACE MASK. AVOID WEARING CONTACT LENSES.

SKIN: AVOID REPEATED OR PROLONGED SKIN CONTACT. WEAR OVERALLS, WATERPROOF BOOTS AND IMPERVIOUS ALKALI-RESISTANT GLOVES (E.G., NITRILE, PVC, RUBBER, NEOPRENE). REMOVE PROTECTIVE CLOTHING AND WASH EXPOSED AREAS WITH SOAP AND WATER PRIOR TO EATING, DRINKING OR SMOKING. TAKE SPECIAL CARE TO ENSURE THAT CUTS/ABRASIONS OR IRRITATED SKIN ARE NOT EXPOSED TO THIS PRODUCT. IT IS ALSO IMPORTANT TO ENSURE THAT WET ADHESIVE DOES NOT BECOME TRAPPED WITHIN GLOVES, BOOTS OR CLOTHING – LEAVING WET ADHESIVE IN CONTACT WITH THE SKIN FOR EXTENDED PERIOD OF TIME MAY CAUSE SKIN BURNS. IT IS IMPORTANT THAT SKIN IS ALSO COVERED WHEN DUST IS CREATED (E.G., SANDING, GRINDING, CRUSHING OR CUTTING CONCRETE). THE DUST MAY ALSO IRRITATE AND/OR DAMAGE THE SKIN.

RESPIRATORY: TO PREVENT IRRITATION A WELL-FITTED DUST MASK SHOULD BE USED. A FINE PARTICULATE HALF OR FULL FACE RESPIRATOR WITH AN EFFECTIVE SEAL IS RECOMMENDED WHEN AIRBORNE CONCENTRATIONS APPROACH THE WES (SECTION 8). IF SANDING, GRINDING, CRUSHING OR CUTTING CONCRETE, IT IS POSSIBLE THAT THE SILICA DUST WES (0.02 MG/M3) WILL BE EXCEEDED, HENCE A RESPIRATOR WILL BE REQUIRED. IF EXPOSURE TO THE

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CONCENTRATED AQUEOUS SOLUTION, DUST AND MIST IS LIKELY, A FULL FACE RESPIRATOR WITH A PARTICULATE FILTER IS RECOMMENDED.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	CEMENTITIOUS GREY
ODOUR	NO ODOUR WHEN DRY
PH	10-11 (WETTED)
VAPOUR PRESSURE	NOT APPLICABLE
VISCOSITY	NOT APPLICABLE
BOILING POINT	NOT APPLICABLE
VOLATILE MATERIALS	NOT VOLATILE
FREEZING / MELTING POINT	NOT APPLICABLE
SOLUBILITY	INSOLUBLE IN WATER
SPECIFIC GRAVITY / DENSITY	1.5-2.5 (WATER =1)
FLASH POINT	NON-FLAMMABLE
DANGER OF EXPLOSION	NOT APPLICABLE
CORROSIVENESS	NO DATA, HOWEVER MAY BE CORROSIVE TO EYES AND SKIN WHEN WET.

10. STABILITY

STABILITY:	STABLE UNDER NORMAL USE AND STORAGE CONDITIONS.
CONDITIONS TO BE AVOIDED:	COMBUSTIBLE SUBSTANCE. KEEP AWAY FROM SOURCES OF IGNITION. CONTAINERS SHOULD BE KEPT CLOSED IN ORDER TO AVOID CONTAMINATION.
INCOMPATIBLE GROUPS:	NONE KNOWN
SUBSTANCE SPECIFIC:	STRONG ACIDS
INCOMPATIBILITY HAZARDOUS DECOMPOSITION:	CARBON DIOXIDE, AND IF COMBUSTION IS INCOMPLETE, CARBON MONOXIDE AND SMOKE. NITROGEN, AND UNDER SOME CIRCUMSTANCES, OXIDES OF NITROGEN. WATER.
HAZARDOUS REACTIONS:	NO SPECIFIC HAZARDS.

11. TOXICOLOGICAL INFORMATION

GROUT MAY BE HARMFUL TO THE SKIN AND EYES. THERE ARE ALSO LINKS BETWEEN EXPOSURE TO SILICA DUST (CONTAINED IN GROUT) AND INCREASED RATES OF SILICOSIS. WHERE AVAILABLE, TOXICOLOGICAL DATA FOR INGREDIENTS HAS BEEN RESEARCHED AND DATA FOR THE MIXTURE CALCULATED. THE RESULTS OF THESE CALCULATIONS ARE PRESENTED BELOW.

ACUTE EFFECTS:

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ACUTE	ORAL THE LD50 (ORAL, RAT) FOR THE MIXTURE IS > 5,000 MG/KG. INGESTION OF THIS PRODUCT MAY CAUSE GASTROINTESTINAL IRRITATION.
DERMAL	THE ESTIMATED LD50 (DERMAL, RAT) FOR THE MIXTURE IS > 5,000 MG/KG.
INHALED	THE ESTIMATED LC50 (INHALATION, RAT) FOR THE MIXTURE IS >5 MG/L (DUST MIST). SHORT TERM (ACUTE) SILICOSIS (SEE "SYSTEMIC" BELOW) CAN ALSO OCCUR WITH ONE-OFF EXPOSURES TO EXTREMELY HIGH LEVELS OF FINE CRYSTALLINE SILICA DUST. OTHER SHORT TERM EFFECTS INCLUDE IRRITATION, CHOKING AND DIFFICULTY BREATHING.
EYE	CONTACT WITH DRY OR WET (UNHARDENED) ADHESIVE CAN CAUSE EFFECTS RANGING FROM IRRITATION TO SERIOUS EYE DAMAGE/BURNS AND BLINDNESS. THE PH OF THE MIXTURE IS 10-11. NOTE: THE LEVEL OF IRRITATION/DAMAGE IS DEPENDENT ON THE QUANTITY OF THE DUST, THE PH, AND THE LENGTH OF TIME EXPOSED. E.G., IF DUST IS WASHED OUT OF THE EYE IMMEDIATELY, EFFECTS WILL BE MINOR. HOWEVER, IF DUST OR WET ADHESIVE IS LEFT IN CONTACT WITH THE EYE, SERIOUS DAMAGE /BLINDNESS COULD RESULT.
SKIN	CONTACT WITH WET (UNHARDENED) ADHESIVE CAN CAUSE SKIN IRRITATION OR SEVERE CHEMICAL BURNS (THIRD DEGREE). BRIEF EXPOSURE TO THE SKIN (I.E., WASHED OFF IMMEDIATELY) WILL RESULT IN IRRITATION. HOWEVER, IF THE ADHESIVE OR DUST IS LEFT ON THE SKIN FOR AN EXTENDED TIME (E.G., IF INSIDE BOOTS OR ABSORBED THROUGH OVERALLS), BURNS TO THE SKIN ARE POSSIBLE. THICKENING OF THE SKIN AND/OR RASH IS ALSO POSSIBLE. CONTACT WITH DRY ADHESIVE CAN CAUSE SKIN IRRITATION.
CHRONIC SENSITISATION	THERE IS SOME EVIDENCE THAT EXPOSURE TO CEMENT (OR MORTAR) MIXTURES MAY CAUSE ALLERGIC REACTIONS OR SKIN SENSITISATION THIS APPEARS TO BE LINKED TO CHROMIUM PRESENT IN SOME MIXTURES CONTAINING PORTLAND CEMENT, WHICH MAY INDUCE OCCUPATIONAL ASTHMA AND SKIN SENSITISATION (ALLERGIC REACTIONS). THIS MIXTURE CONTAINS LESS THAN 0.01% HEXAVALENT CHROMIUM AND HENCE IS NOT CONSIDERED SENSITISING.
MUTAGENICITY	NO INGREDIENT PRESENT AT CONCENTRATIONS > 0.1% IS CONSIDERED A MUTAGEN. CARCINOGENICITY THIS MIXTURE DOES CONTAIN CRYSTALLINE SILICA. CRYSTALLINE SILICA INHALED IN THE FORM OF QUARTZ OR CRISTOBALITE FROM

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OCCUPATIONAL SOURCES IS CARCINOGENIC TO HUMANS (IARC GROUP 1). THE MIXTURE TRIGGERS 6.7A CLASSIFICATION (CONFIRMED CARCINOGEN). THE CARCINOGENICITY OF SILICA IS RELATED TO LONG TERM (E.G., 10 YEARS) INHALATION OF VERY FINE PARTICULATE (E.G., FROM SAND BLASTING OR DRY CUTTING OF CONCRETE). CARCINOGENICITY OF SILICA APPEARS LINKED TO DEVELOPMENT OF SILICOSIS (SEE SYSTEMATIC BELOW) FOLLOWED BY COMPLICATIONS AND, EVENTUALLY LUNG CANCER.

REPRODUCTIVE / DEVELOPMENTAL: NO DATA FOR MIXTURE IS AVAILABLE. NO INGREDIENT PRESENT AT CONCENTRATIONS > 0.1% IS CONSIDERED A REPRODUCTIVE OR DEVELOPMENTAL TOXICANT OR HAVE ANY EFFECTS ON OR VIA LACTATION.

SYSTEMIC: THE MIXTURE IS CONSIDERED TO BE A TARGET ORGAN TOXICANT, BECAUSE OF THE PRESENCE OF CRYSTALLINE SILICA AT GREATER THAN 1%. CRYSTALLINE SILICA TRIGGERS 6.9A CLASSIFICATION IF IT IS IN THE FORM OF A FINE RESPIRABLE DUST IN AN OCCUPATIONAL (CHRONIC EXPOSURE) SETTING. THIS IS DUE TO THE DEVELOPMENT OF ACUTE SILICOSIS WHICH CAN OCCUR FOLLOWING EXPOSURE TO EXTREMELY HIGH LEVELS OF FINE SILICA DUST. SILICOSIS IS A TYPE OF PNEUMOCONIOSIS – A DISEASE OF THE LUNG THAT CAUSES INFLAMMATION, SCAR TISSUE, LESIONS AND FIBROSIS IN THE LUNG (ALVEOLAR). SYMPTOMS INCLUDE SHORTNESS OF BREATH, COUGH, FEVER, LOSS OF APPETITE AND CYANOSIS (BLUISH SKIN). SILICOSIS CAN OCCUR FOLLOWING PROLONGED EXPOSURE (E.G., 10 YEARS) TO RELATIVELY HIGH LEVELS OF FINE CRYSTALLINE SILICA DUST.

AGGRAVATION OF EXISTING CONDITIONS: PERSONS WITH EXISTING LUNG CONDITIONS MAY BE AT A HIGHER RISK OF FURTHER ADVERSE HEALTH EFFECTS (AS ABOVE). SMOKERS HAVE AN INCREASED RISK OF LUNG CANCER AND SILICOSIS.

12. ECOLOGICAL INFORMATION
CEMENT DUSTS ARE CONSIDERED TO BE HARMFUL IN THE ENVIRONMENT WHEN IN A SOLUBLE FORM. THIS IS PRIMARILY DUE TO THE HIGH PH OF THE PRODUCT.

AQUATIC: NO DATA FOR MIXTURE IS AVAILABLE. WATER CONTAMINATED WITH THIS PRODUCT IS ALKALINE AND SHOULD NOT BE ALLOWED TO ENTER THE ENVIRONMENT.

BIOACCUMULATION: NOT APPLICABLE

DEGRADABILITY: NOT APPLICABLE (PREDOMINANTLY NATURAL PRODUCTS)

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SOIL: NO DATA AVAILABLE FOR THE MIXTURE. THE SOIL TOXICITY VALUE FOR THE MIXTURE IS ESTIMATED TO BE ≥ 100 MG/KG.

TERRESTRIAL VERTEBRATE: THIS PRODUCT IS NOT CONSIDERED HARMFUL TO TERRESTRIAL VERTEBRATES. NO LC50 (DIET) DATA FOR INGREDIENTS ARE AVAILABLE AND THE CLASSIFICATION IS BASED ON THE LD50 (ORAL) – SEE SECTION 11 – ORAL TOXICITY.

TERRESTRIAL INVERTEBRATE: THE MIXTURE IS NOT CONSIDERED HARMFUL TO TERRESTRIAL INVERTEBRATES.

BIOCIDAL: NOT DESIGNED AS A BIOCIDAL.

13. DISPOSAL CONSIDERATIONS

RESTRICTIONS: LOCAL COUNCIL AND RESOURCE CONSENT CONDITIONS MAY APPLY, INCLUDING REQUIREMENTS OF TRADE WASTE CONSENTS.

DISPOSAL METHOD: DISPOSAL OF THIS PRODUCT MUST COMPLY WITH THE REQUIREMENTS OF THE RESOURCE MANAGEMENT ACT FOR WHICH APPROVAL SHOULD BE SOUGHT FROM THE REGIONAL AUTHORITY. THE SUBSTANCE MUST BE TREATED AND THEREFORE RENDERED NON-HAZARDOUS BEFORE DISCHARGE TO THE ENVIRONMENT.

CONTAMINATED PACKAGING: THERE ARE NO PRODUCT-SPECIFIC RESTRICTIONS, HOWEVER, LOCAL COUNCIL AND RESOURCE CONSENT CONDITIONS MAY APPLY, INCLUDING REQUIREMENTS OF TRADE WASTE CONSENTS.

14. TRANSPORT INFORMATION

TRANSPORT ACCORDING TO NZS 5433 (TRANSPORT OF HAZARDOUS SUBSTANCES ON LAND). NOT CONSIDERED A DANGEROUS GOOD FOR TRANSPORT.

UN NUMBER:	NA	PROPER SHIPPING NAME:	NA
CLASS (ES)	NA	PACKING GROUP:	NA
PRECAUTIONS:	NA	HAZCHEM CODE:	1T (RECOMMENDED)

15. REGULATORY INFORMATION

THIS PRODUCT IS AN APPROVED SUBSTANCE UNDER THE HAZARDOUS SUBSTANCES AND NEW ORGANISMS ACT (HSNO). APPROVAL CODE: HSR002545: CONSTRUCTION PRODUCTS (TOXIC [6.7A]) GROUP STANDARD 2006.

SPECIFIC WORKPLACE CONTROLS (AS PER HSNO APPROVAL REFERENCED TO CONTROLS MATRIX)

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KEY WORKPLACE REQUIREMENTS ARE:

MSDS: TO BE AVAILABLE WITHIN 10 MINUTES IN WORKPLACES STORING ANY QUANTITY.

LABELLING: NO REMOVAL OF LABELS AND/OR DECANTING OF PRODUCT INTO OTHER CONTAINERS CAN OCCUR.

EMERGENCY PLAN: REQUIRED IF > 1000KG IS STORED.

APPROVED HANDLER: APPROVED HANDLERS ARE NOT REQUIRED IF THIS PRODUCT IS USED IN THE CONSTRUCTION INDUSTRY (EXEMPTED REQUIREMENT UNDER CONSTRUCTION GROUP STANDARDS). TRACKING NOT REQUIRED.

BUNDING & SECONDARY CONTAINMENT: REQUIRED IF > 1000KG IS STORED.

SIGNAGE REQUIRED: IF > 1000KG IS STORED IN ANY ONE LOCATION.
LOCATION: TEST CERTIFICATE NOT REQUIRED.
FLAMMABLE ZONE: NOT REQUIRED.
FIRE EXTINGUISHER: NOT REQUIRED.

OTHER LEGISLATION

IN NEW ZEALAND, THE USE OF THIS PRODUCT MAY COME UNDER THE RESOURCE MANAGEMENT ACT AND REGULATIONS, THE HEALTH, SAFETY IN EMPLOYMENT ACT AND REGULATIONS, LOCAL COUNCIL RULES AND REGIONAL COUNCIL PLANS.

16. OTHER INFORMATION

DATE OF PREPARATION: 26 November 2013

DATE OF REVISION: 26 November 2015

REASON FOR ISSUE: THIS DATA SHEET AND THE HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION IT CONTAINS HAS BEEN PREPARED BY CEMIX LTD ACCORDING TO CURRENT REGULATORY REQUIREMENTS AS AT DATE OF ISSUE. THE PRECAUTIONS AND ADVICE PROVIDED MAY NOT BE ACCURATE FOR ALL INDIVIDUALS AND/OR SITUATIONS. IT IS THE USER'S OBLIGATION TO EVALUATE AND USE THIS PRODUCT SAFELY AND COMPLY WITH ALL APPLICABLE LEGISLATION.

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The above info is based on our best knowledge and we believe it to be true and correct. However due to the variable nature of application, the suitability of the product for the use intended is the sole responsibility of the user

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