SAFETY DATA SHEET



1. Identification

Product identifier	Blended Cement		
Other means of identification			
Synonyms	API Class L well cement; Blended Cement (ASTM C595 & AASHTO M240) Types IP, IS, IT and IL; Blended Hydraulic Cement; ENVIROBASETM; ENVIROCORE®; ENVIROSET®; FortiCemTM; FortiMaxTM; FortiPave®; Hydraulic Cement (ASTM C1157) Types GU, HE, MS, HS, MH, LH; LowDenseTM Lightweight Well Cement Types IS, IP, IT, IL, GUb, HEb, MSb, HSb, MHb, LHb, GULb, MSLb, MHLb, HELb, HSLb; MaxCem®; NewCem® Plus; NewCem® Slag Cement; OneCem®; SFTM Cement; Silica Fume Cement; TerCem 3000®; TerraCemTM; TerraFlowTM; POZZMOD PLUS® EcoPlanet		
Recommended use	Construction.		
Recommended restrictions	Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations. Uses other than the recommended use.		
Manufacturer/Importer/Supplier/	/Distributor information		
Company name	Amrize Inc.		
Address	6509 Airport Road		
	Mississauga, Ontario L4V 157		
Telephone	Eastern Canada: (905) 738-7070		
	Western Canada: (403) 225-5400		
Website	www.amrize.com		
E-mail	sdsinfo@amrize.com		
Emergency telephone number	CHEMTREC within USA and Canada: 1-800-424-9300		
	CHEMTREC outside USA and Canada: +1 703-527-3887 (collect calls accepted)		
2. Hazard identification			
Physical hazards	Not classified.		
Health hazards	Skin corrosion/irritation	Category 1	
	Serious eye damage/eye irritation	Category 1	
	Sensitization, skin	Category 1	
	Carcinogenicity (inhalation)	Category 1A	
	Specific target organ toxicity - repeated exposure (inhalation)	Category 2 (Lungs)	
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 3	
Label elements			
Signal word	Danger		
Hazard statement	Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause cancer by inhalation. May cause damage to organs (Lungs) through prolonged or repeated exposure by inhalation. Harmful to aquatic life.		

Precautionary statement Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental information	None.
Other hazards	None known.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%	
Portland Cement		65997-15-1	80 - 100	
Flue dust, portland cement		68475-76-3	5 - 10	
Quartz		14808-60-7	5 - 10	
Composition comments	All concentrations are in percent by weight. C below reportable limits. Any concentration sho batch variation.			
4. First-aid measures				
Inhalation	Move to fresh air. If not breathing, give artifician or persist.	al respiration. Call a physiciar	if symptoms develop	
Skin contact	Remove contaminated clothing immediately a or poison control centre immediately. Chemic contaminated clothing before reuse.			
Eye contact	Immediately flush eyes with plenty of water fo present and easy to do. Continue rinsing. Cal			
Ingestion	Call a physician or poison control centre imme vomiting occurs, keep head low so that stoma			
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing. Prolonged exposure may cause chronic effects.			
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat immediately. While flushing, remove clothes v ambulance. Continue flushing during transpor Symptoms may be delayed.	vhich do not adhere to affecte	d area. Call an	
General information	IF exposed or concerned: Get medical advice (show the label where possible). Ensure that i involved, and take precautions to protect then	medical personnel are aware	of the material(s)	
5. Fire-fighting measures				
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carb	on dioxide (CO2).		
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as th	is will spread the fire.		
Specific hazards arising from the chemical	During fire, gases hazardous to health may be oxides. Iron oxides. Silicon oxides. Sulphur ox		ts may include: Calcium	
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full pr	rotective clothing must be wor	n in case of fire.	
Fire fighting equipment/instructions	Use water spray to cool unopened containers	. Water runoff can cause envi	ronmental damage.	
Specific methods	Use standard firefighting procedures and cons	sider the hazards of other invo	olved materials.	
General fire hazards	Will burn if involved in a fire.			

6. Accidental release measures

0. Accidental release mea	50165
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for	Prevent product from entering drains.
containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Following product recovery, flush area with water.
	Small Spills: Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. Put material in suitable, covered, labelled containers. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Persons susceptible to allergic reactions should not handle this product.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

8. Exposure controls/personal protection

US. ACGIH Threshold Limit Values (TL\ Components	/) Туре	Value	Form
Portland Cement (CAS 65997-15-1)	TWA	1 mg/m3	Respirable fraction.
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Canada. Alberta OELs (Occupational H	ealth & Safety Code, Sch	nedule 1, Table 2), as amended	
Components	Туре	Value	Form
Portland Cement (CAS 65997-15-1)	TWA	10 mg/m3	
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable particles
Portland Cement (CAS 65997-15-1)	TWA	1 mg/m3	Respirable.
Safety Regulation 296/97, as amended) Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction
Canada. Manitoba OELs (Reg. 217/2006	, The Workplace Safety	And Health Act), as amended	
	, The Workplace Safety Type	And Health Act), as amended Value	Form
Canada. Manitoba OELs (Reg. 217/2006 Components Portland Cement (CAS 65997-15-1)			
Components Portland Cement (CAS	Туре	Value	Form Respirable fraction. Respirable fraction.
Components Portland Cement (CAS 65997-15-1)	Type TWA TWA DId Limit Values (TLVs) I	Value 1 mg/m3 0.025 mg/m3	Respirable fraction.
Components Portland Cement (CAS 65997-15-1) Quartz (CAS 14808-60-7) Canada. New Brunswick OELs: Thresho	Type TWA TWA DId Limit Values (TLVs) I	Value 1 mg/m3 0.025 mg/m3	Respirable fraction.

Components	Туре	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Canada. Ontario OELs. (Co Components	ntrol of Exposure to Biological or Che Type	emical Agents), as amended Value	Form
Portland Cement (CAS 65997-15-1)	TWA	1 mg/m3	Respirable fraction.
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable fraction.
Canada. Quebec OELs. (Mi Components	nistry of Labor - Regulation respecting Type	g occupational health and sa Value	ifety) Form
Portland Cement (CAS 65997-15-1)	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
Quartz (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.
Canada. Saskatchewan OE Components	Ls (Occupational Health and Safety R Type	egulations, 1996, Table 21), a Value	as amended Form
Portland Cement (CAS 65997-15-1)	15 minute	20 mg/m3	
	8 hour	10 mg/m3	
Quartz (CAS 14808-60-7)	8 hour	0.05 mg/m3	Respirable fraction.
logical limit values	No biological exposure limits noted fo	r the ingredient(s).	
oosure guidelines	Occupational exposure to nuisance du should be monitored and controlled.	ust (total and respirable) and re	espirable crystalline silica
propriate engineering trols	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.		
vidual protection measures	, such as personal protective equipme		
Eye/face protection	Wear safety glasses with side shields	(or goggles) and a face shield	
Skin protection Hand protection	Wear appropriate chemical resistant g supplier.	loves. Suitable gloves can be	recommended by the glove
Other	Wear appropriate chemical resistant o	lothing. Use of an impervious	apron is recommended.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Selection and use of respiratory protective equipment should be in accordance with CSA Standard Z94.4.		
Thermal hazards	Wear appropriate thermal protective of	lothing, when necessary.	
neral hygiene siderations	Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.		

9. Physical and chemical properties

Physical state	Solid.
Form	Powder.
Colour	Gray to white.
Odour	Odourless.
Odour threshold	Not applicable.
Melting point/freezing point	Property has not been measured.
Boiling point or initial boiling point and boiling range	> 1000 °C (> 1832 °F)

Flammability	Will burn if involved in a fire.
Upper/lower flammability or exp	
Explosive limit - lower (%)	Not applicable, material is a solid.
Explosive limit – upper (%)	Not applicable, material is a solid.
Flash point	Not applicable, material is a solid.
Auto-ignition temperature	Not applicable, material is a solid.
Decomposition temperature	Property has not been measured.
рН	12 - 13
pH concentration	Property has not been measured.
Kinematic viscosity	Not applicable, material is a solid.
Solubility	
Solubility (water)	Slightly soluble
Partition coefficient (n-octanol/water) (log value)	Not applicable for inorganic substances.
Vapour pressure	Not applicable, material is a solid.
Density and/or relative density	
Density	Property has not been measured.
Relative density	Property has not been measured.
Relative density temperature	Property has not been measured.
Vapour density	Not applicable, material is a solid.
Particle characteristics	
Particle size	Property has not been measured.
Other information	
Evaporation rate	Not applicable, material is a solid.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Viscosity	Not applicable, material is a solid.
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Acids. Powerful oxidizers. Aluminium. Chlorine. Fluorine. Phosphorus. Ammonium salts. Aluminum metal. Hydrofluoric acid. Boron trifluoride. Chlorine trifluoride. Manganese trioxide. Oxygen diffuoride.

Hazardous decomposition products

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation. May cause cancer by inhalation. May cause irritation to the respiratory system.	
Skin contact	Causes severe skin burns. May cause an allergic skin reaction.	
Eye contact	Causes serious eye damage.	
Ingestion	Causes digestive tract burns.	
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing. Prolonged exposure may cause chronic effects.	

No hazardous decomposition products are known. In the event of fire: See Section 5.

Information on toxicological effects

difluoride.

Flue dust, portland cement (CAS 68475-76-3) Acute Dermal LD50 Rat > 2000 mg/kg, 24 Hours Inhalation Dust LC50 Rat > 6.04 mg/l, 4 Hours Portland Cement (CAS 65997-15-1) Acute > 6.04 mg/l, 4 Hours > Acute Dermal > 2000 mg/kg Inhalation > LD50 Rat > 2000 mg/kg Note: State > Dermal LD50 Rat > 2000 mg/kg Note: State > LD50 Rat > 2000 mg/kg Note: State > Note: State > Note: State <	Acute toxicity	Not expected to be acutely toxic.		
Actual > 2000 mg/kg. 24 Hours Inblaitation	Components	Species	Test Results	
Demail > 2000 mg/kg. 24 Hours LD50 Rat > 6.04 mg/t, 4 Hours Dust > 6.04 mg/t, 4 Hours Dermail > 2000 mg/kg. 24 Hours Portland Coment (CAS 65097-15-) > 2000 mg/kg. Dermail > 2000 mg/kg. Dermail > 2000 mg/kg. Dermail > 2000 mg/kg. Dermail > 2000 mg/kg. dustmist > 6.04 mg/t, 4 Hours DS0 Rat > 6.04 mg/t, 4 Hours Orai > 2000 mg/kg. DS0 Rat > 1848 mg/kg. Ouartz (CAS 14808-60-7) Email 0.0563 mg/m3. Stin corrosion/irritation Causes severo skin burs. Serious severo skin burs. Stric corrosion/irritation Causes severo skin burs. Serious severo skin burs. Respiratory or skin sensitisation Not a respiratory sensitisation Not a respiratory sensitisation Skin somsitisation May cause an allergic skin reaction. Carcel and available to incleate product and y cause an allergic skin reaction. Gardia Olimeiline sitica or on second pacing line sitica are on accerro in humas. However in making the oreal sublect Concluster and available to incleate product and organic thar unintaling the oreal sublect concluster and avai	Flue dust, portland cement (CAS	68475-76-3)		
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Riended Cement SDS Canada	Portland Cement (CAS	65997-15-1)		
Che Panada	Plandad Comant			

Canada - Quebec OELs: Ca	rcinogen category
Quartz (CAS 14808-60-7) Suspected carcinogenic effect in humans.
IARC Monographs. Overall	Evaluation of Carcinogenicity
Quartz (CAS 14808-60-7) 1 Carcinogenic to humans.
US. National Toxicology Pro	ogram (NTP) Report on Carcinogens
Quartz (CAS 14808-60-7) Known To Be Human Carcinogen.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	May cause damage to organs (Lungs) through prolonged or repeated exposure by inhalation.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity	Harmful to aquatic life.		
Components		Species	Test Results
Flue dust, portland cement (CAS 68475-76-	3)	
Aquatic			
Acute			
Crustacea	EL50	Daphnia magna	> 100 mg/l, 48 Hours
Fish	NOEC	Danio rerio	11.1 mg/l, 96 Hours
Chronic			
Crustacea	NOELR	Daphnia magna	50 mg/l
Portland Cement (CAS 6599	97-15-1)		
Aquatic			
Acute	5050		
Algae	EC50	Desmodesmus subspicatus	28.2 mg/l, 72 Hours
	NOEC	Desmodesmus subspicatus	6.25 mg/l, 72 Hours
Crustacea	EC50	Daphnia magna	> 100 mg/l, 48 Hours
Chronic			
Crustacea	NOEC	Daphnia magna	50 mg/l, 21 days
Terrestrial			
Acute	5050		740 // 0.11
Other	EC50	Other bacteria soil microorganisms	743 mg/l, 3 Hours
Persistence and degradability	-	t contains inorganic compounds which are	not biodegradable.
Bioaccumulative potential	No data ava		
Mobility in soil	The product is slightly soluble in water. Not expected to be mobile in soil.		
Other adverse effects	No data available.		
13. Disposal consideration	ons		
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.		
Local disposal regulations	Dispose in accordance with all applicable regulations.		
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.		
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.		
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.		

14. Transport information

TDG

TDG	
UN number	UN3262
UN proper shipping name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Portland Cement)
Transport hazard class(es)	
Class	8
Subsidiary hazard	-
Packing group	I
Environmental hazards	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
ΙΑΤΑ	
UN number	UN3262
UN proper shipping name	Corrosive solid, basic, inorganic, n.o.s. (Portland cement)
Transport hazard class(es)	
Class	8
Subsidiary hazard	-
Packing group	II
Environmental hazards	No.
ERG Code	8L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
IMDG	
UN number	UN3262
UN proper shipping name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Portland cement)
Transport hazard class(es)	
Class	8
Subsidiary hazard	-
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	Not applicable.
Annex II of MARPOL 73/78 and	
the IBC Code	
15. Regulatory information	
Canadian regulations	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated. Export Control List (CEPA 1999, Schedule 3) Not listed. **Greenhouse Gases** Not listed. **Precursor Control Regulations** Not regulated. International regulations **Stockholm Convention** Not applicable. **Rotterdam Convention** Not applicable. **Kyoto Protocol** Not applicable. **Montreal Protocol** Not applicable. **Basel Convention** Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date	28-May-2025
Revision date	-
Version No.	01
Disclaimer	Amrize Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.