

Cem-Seal Seattle Red ICP Construction Inc

Version No: 3.3

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Issue Date: 11/07/2024 Print Date: 11/07/2024

S.GHS.USA.EN

SECTION 1 Identification

Product Identifier

Product name	Cem-Seal Seattle Red
Synonyms	Not Available
Other means of identification	Not Available

Recommended use of the chemical and restrictions on use

Relevant identified	Specialty Floor Coating Color
uses	Specialty Floor Coating Color

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	ICP Construction Inc
Address	150 Dascomb Road Andover MA 01810 United States
Telephone	1-866-667-5119 1-978-623-9987
Fax	Not Available
Website	www.icpgroup.com
Email	sds@icpgroup.com

Emergency phone number

Association / Organisation	ChemTel
Emergency telephone number(s)	1-800-255-3924
Other emergency telephone number(s)	1-813-248-0585

SECTION 2 Hazard(s) identification

Classification of the substance or mixture

NFPA 704 diamond

Version No: **3.3** Page **2** of **12** Issue Date: **11/07/2024**

Cem-Seal Seattle Red



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification

Specific Target Organ Toxicity - Repeated Exposure Category 2, Hazardous to the Aquatic Environment Acute Hazard Category 3

Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

H373	May cause damage to organs through prolonged or repeated exposure.	
H402	Harmful to aquatic life.	

Hazard(s) not otherwise classified

Not Applicable

Precautionary statement(s) General

P101 If medical advice is needed, have product container or label at hand.	
P102	Keep out of reach of children.
P103	Read label before use.

Precautionary statement(s) Prevention

-	
P260	Do not breathe mist/vapours/spray.
P273	Avoid release to the environment.

Precautionary statement(s) Response

P314	Get medical advice/attention if you feel unwell.
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Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with
1 301	any local regulation.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
107-21-1	1-5	ethylene glycol

Print Date: 11/07/2024

 Version No: 3.3
 Page 3 of 12
 Issue Date: 11/07/2024

 Print Date: 11/07/2024
 Print Date: 11/07/2024

Cem-Seal Seattle Red

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 First-aid measures

Description of first aid measures

Eye Contact	If this product comes in contact with eyes: • Wash out immediately with water. • If irritation continues, seek medical attention. • Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin or hair contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	 If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	 Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Fire-fighting measures

Extinguishing media

- ▶ Foam.
- Dry chemical powder.

Special hazards arising from the substrate or mixture

Special protective equipment and precautions for fire-fighters

Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. 	
Fire/Explosion Hazard	 Combustible. Slight fire hazard when exposed to heat or flame. Combustion products include: carbon dioxide (CO2) other pyrolysis products typical of burning organic material. May emit poisonous fumes. 	

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Version No: **3.3** Page **4** of **12** Issue Date: **11/07/2024**

Cem-Seal Seattle Red

Methods and material for containment and cleaning up

Minor Spills	Remove all ignition sources. Clean up all spills immediately.
Major Spills	Moderate hazard. • Clear area of personnel and move upwind.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Precautions for safe handling

Safe handling	 Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs.
Other information	 Store in original containers. Keep containers securely sealed.

Conditions for safe storage, including any incompatibilities

Suitable container

Packaging as recommended by manufacturer.
Check all containers are clearly labelled and free from leaks.

Storage incompatibility

Avoid reaction with oxidising agents



- X Must not be stored together
- 0 May be stored together with specific preventions
- + May be stored together

Note: Depending on other risk factors, compatibility assessment based on the table above may not be relevant to storage situations, particularly where large volumes of dangerous goods are stored and handled. Reference should be made to the Safety Data Sheets for each substance or article and risks assessed accordingly.

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US NIOSH						
Recommended	ethylene glycol	Ethylene glycol	Not Available	Not Available	Not Available	See Appendix D
Exposure Limits (RELs)						

Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
ethylene glycol	30 ppm	150 ppm	900 ppm

Ingredient	Original IDLH	Revised IDLH
ethylene glycol	Not Available	Not Available

Print Date: 11/07/2024

Issue Date: 11/07/2024 Print Date: 11/07/2024

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.
Individual protection measures, such as personal protective equipment	
Eye and face protection	 Safety glasses with side shields Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.
Skin protection	See Hand protection below
Hands/feet protection	The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. • Wear chemical protective gloves, e.g. PVC. • Wear safety footwear or safety gumboots, e.g. Rubber
Body protection	See Other protection below
Other protection	Overalls. P.V.C apron.

Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

- · Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted.

 Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Not Available		
Physical state	Liquid	Relative density (Water = 1)	8.91
Odour	Not Available	Partition coefficient n- octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	>100	Taste	Not Available

 Version No: 3.3
 Page 6 of 12
 Issue Date: 11/07/2024

 Print Date: 11/07/2024
 Print Date: 11/07/2024

Cem-Seal Seattle Red

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Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Not Available	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	55
Heat of Combustion (kJ/g)	Not Available	Ignition Distance (cm)	Not Available
Flame Height (cm)	Not Available	Flame Duration (s)	Not Available
Enclosed Space Ignition Time Equivalent (s/m3)	Not Available	Enclosed Space Ignition Deflagration Density (g/m3)	Not Available

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	Unstable in the presence of incompatible materials. Product is considered stable.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
Ingestion	The material has NOT been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence.
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Еуе	Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

Version No: **3.3** Page **7** of **12** Issue Date: **11/07/2024**

Cem-Seal Seattle Red

Chronic	Repeated or long-term occupational exposure is likely to produce cumulative health effects involving organ biochemical systems.			
	TOXICITY		IRRITATION	
Cem-Seal Seattle Red	Not Available		vailable	
	TOXICITY	IRRITATION		
	dermal (mouse) LD50: >3500 mg/kg ^[1]	Eye (Rodent - rabbit): 0.012ppm/3D		
	Oral (Rat) LD50: >2000 mg/kg ^[2]	Eye (Rodent - rabbit): 100mg/1H - Mild		
		Eye (Rodent - rabbit): 1440mg/6H - Moderate		
ethylene glycol		Eye (Rodent - rabbit): 500mg/24H - Mild		
		Eye (Rodent - rat): 0.012%/3D		
		Eye: no adverse effect observed (not irritating) ^[1]		
		Skin (Rodent - rabbit): 555mg - Mild		
		Skin: no adv	verse effect observed (not irritating) ^[1]	

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

ETHYLENE GLYCOL

[Estimated Lethal Dose (human) 100 ml; RTECS quoted by Orica] Substance is reproductive effector in rats (birth defects). Mutagenic to rat cells.

For ethylene glycol:

Ethylene glycol is quickly and extensively absorbed throughout the gastrointestinal tract. Limited information suggests that it is also absorbed through the airways; absorption through skin is apparently slow.

Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	×	Reproductivity	×
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×
Respiratory or Skin sensitisation	×	STOT - Repeated Exposure	•
Mutagenicity	×	Aspiration Hazard	×

Legend:

- 🗶 Data either not available or does not fill the criteria for classification

SECTION 12 Ecological information

Toxicity

Cem-Seal Seattle Red	Endpoint		Test Duration (h	r)	Species	Value		Source	
	Not Available	Not Available Not Available			Not Available	Not Av	Not Available		Not Available
ethylene glycol	Endpoint	Test	t Duration (hr)	Specie	es		Value		Source
	EC50(ECx)		Available	•	or other aquatic plan	ts	6500-7500r	mg/l	1
	EC50	48h		Crusta	cea		>100mg/l		2
	LC50	96h		Fish			8050mg/L		4

Print Date: 11/07/2024

Version No: **3.3** Page **8** of **12** Issue Date: **11/07/2024**Print Date: **11/07/2024**

Cem-Seal Seattle Red

	EC50	96h	Algae or other aquatic plants	6500-13000mg/l	1
Legend:	Extracted from	1. IUCLID Toxicity Data 2	2. Europe ECHA Registered Substand	ces - Ecotoxicological	Information
	- Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard				
	Assessment Da	nta 6. NITE (Japan) - Biod	concentration Data 7. METI (Japan) -	Bioconcentration Data	a 8. Vendor
	Data				

Harmful to aquatic organisms.

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
ethylene glycol	LOW (Half-life = 24 days)	LOW (Half-life = 3.46 days)

Bioaccumulative potential

Ingredient	Bioaccumulation
ethylene glycol	LOW (BCF = 200)

Mobility in soil

Ingredient	Mobility
ethylene glycol	HIGH (Log KOC = 1)

SECTION 13 Disposal considerations

Waste treatment methods

Product / Packaging disposal

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area.

- ▶ DO NOT allow wash water from cleaning or process equipment to enter drains.
- It may be necessary to collect all wash water for treatment before disposal.
- Recycle wherever possible or consult manufacturer for recycling options.
- · Consult State Land Waste Authority for disposal.

SECTION 14 Transport information

Labels Required

Marine Pollutant	NO

Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
ethylene glycol	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Version No: 3.3 Page 9 of 12

Cem-Seal Seattle Red

 Product name
 Ship Type

 ethylene glycol
 Not Available

SECTION 15 Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

ethylene glycol is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List

- US California Hazardous Air Pollutants Identified as Toxic Air Contaminants
- US California Proposition 65 Maximum Allowable Dose Levels (MADLs) for Chemicals Causing Reproductive Toxicity
- US California Proposition 65 Reproductive Toxicity
- US California Safe Drinking Water and Toxic Enforcement Act of 1986 Proposition 65 List
- US Massachusetts Right To Know Listed Chemicals
- US New Jersey Right to Know Hazardous Substances
- US Pennsylvania Hazardous Substance List
- US ATSDR Minimal Risk Levels for Hazardous Substances (MRLs)
- US Clean Air Act Hazardous Air Pollutants
- US DOE Temporary Emergency Exposure Limits (TEELs)
- US EPA Integrated Risk Information System (IRIS)
- US EPCRA Section 313 Chemical List
- US New York City Community Right-to-Know: List of Hazardous Substances
- US NIOSH Recommended Exposure Limits (RELs)
- US Toxic Substances Control Act (TSCA) Chemical Substance Inventory

Additional Regulatory Information

Not Applicable

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 hazard categories Flammable (Gases, Aerosols, Liquids, or No Solids) Gas under pressure No Explosive No Self-heating No Pyrophoric (Liquid or Nο Solid) Pyrophoric Gas No Corrosive to metal No Oxidizer (Liquid, Solid or No Gas) Organic Peroxide No Self-reactive No In contact with water No emits flammable gas Combustible Dust No No Carcinogenicity Acute toxicity (any route No of exposure)

Issue Date: 11/07/2024 Print Date: 11/07/2024 Version No: 3.3 Page 10 of 12 Issue Date: 11/07/2024 Print Date: 11/07/2024

Cem-Seal Seattle Red

Reproductive toxicity	No
Skin Corrosion or Irritation	No
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	No
Specific target organ toxicity (single or repeated exposure)	Yes
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)

Name	Reportable Quantity in Pounds (lb)	Reportable Quantity in kg
ethylene glycol	5000	2270

US. EPCRA Section 313 Toxic Release Inventory (TRI) (40 CFR 372)

This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know-Act of 1986 (40 CFR 372):

CAS No	%[weight]	Name		
107-21-1	1-5	ethylene glycol		
This information must be included in all SDSs that are copied and distributed for this material.				

Additional Federal Regulatory Information

Not Applicable

State Regulations

US. California Proposition 65



MARNING: This product can expose you to chemicals including ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

Additional State Regulatory Information

Not Applicable

National Inventory Status

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National Inventory	Status		
Australia - AIIC / Australia Non-Industrial Use	Yes		
Canada - DSL	Yes		
Canada - NDSL	No (ethylene glycol)		
China - IECSC	Yes		
Europe - EINEC / ELINCS / NLP	Yes		
Japan - ENCS	Yes		
Korea - KECI	Yes		
New Zealand - NZIoC	Yes		

 Version No: 3.3
 Page 11 of 12
 Issue Date: 11/07/2024

 Print Date: 11/07/2024
 Print Date: 11/07/2024

Cem-Seal Seattle Red

National Inventory	Status		
Philippines - PICCS	Yes		
USA - TSCA	All chemical substances in this product have been designated as TSCA Inventory 'Active'		
Taiwan - TCSI	Yes		
Mexico - INSQ	Yes		
Vietnam - NCI	Yes		
Russia - FBEPH	Yes		
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt will require registration.		

SECTION 16 Other information

Revision Date	11/07/2024
Initial Date	02/21/2021

CONTACT POINT

SDS Version Summary

Version	Date of Update	Sections Updated
2.3	11/07/2024	Toxicological information - Acute Health (inhaled), First Aid measures - Advice to Doctor, Physical and chemical properties - Appearance, Hazards identification - Classification, Ecological Information - Environmental, Firefighting measures - Fire Fighter (extinguishing media), First Aid measures - First Aid (swallowed), Composition / information on ingredients - Ingredients, Exposure controls / personal protection - Personal Protection (hands/feet), Accidental release measures - Spills (major), Handling and storage - Storage (storage incompatibility)

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

Definitions and abbreviations

- PC TWA: Permissible Concentration-Time Weighted Average
- PC STEL: Permissible Concentration-Short Term Exposure Limit
- ▶ IARC: International Agency for Research on Cancer
- ▶ ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- ▶ TEEL: Temporary Emergency Exposure Limit₀
- ▶ IDLH: Immediately Dangerous to Life or Health Concentrations
- ▶ ES: Exposure Standard
- ▶ OSF: Odour Safety Factor
- NOAEL: No Observed Adverse Effect Level
- ▶ LOAEL: Lowest Observed Adverse Effect Level
- ► TLV: Threshold Limit Value
- ▶ LOD: Limit Of Detection
- ▶ OTV: Odour Threshold Value
- ▶ BCF: BioConcentration Factors
- ▶ BEI: Biological Exposure Index
- ▶ DNEL: Derived No-Effect Level
- ▶ PNEC: Predicted no-effect concentration

^{**}PLEASE NOTE THAT TITANIUM DIOXIDE IS NOT PRESENT IN CLEAR OR NEUTRAL BASES**

 Version No: 3.3
 Page 12 of 12
 Issue Date: 11/07/2024

 Print Date: 11/07/2024
 Print Date: 11/07/2024

Cem-Seal Seattle Red

- AIIC: Australian Inventory of Industrial Chemicals
- ▶ DSL: Domestic Substances List
- ▶ NDSL: Non-Domestic Substances List
- ▶ IECSC: Inventory of Existing Chemical Substance in China
- EINECS: European INventory of Existing Commercial chemical Substances
- ELINCS: European List of Notified Chemical Substances
- ▶ NLP: No-Longer Polymers
- ▶ ENCS: Existing and New Chemical Substances Inventory
- ▶ KECI: Korea Existing Chemicals Inventory
- ▶ NZIoC: New Zealand Inventory of Chemicals
- ▶ PICCS: Philippine Inventory of Chemicals and Chemical Substances
- ▶ TSCA: Toxic Substances Control Act
- ▶ TCSI: Taiwan Chemical Substance Inventory
- ▶ INSQ: Inventario Nacional de Sustancias Químicas
- ▶ NCI: National Chemical Inventory
- FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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