

# CP 636

## Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Issue date: 18/10/2024

Revision date: 18/10/2024

Supersedes: 22/09/2022

Version: 4.0

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name  
Product form  
Chemical structure

CP 636  
Mixture



Product code

BU Fire Protection

#### 1.2 Other means of identification

No additional information available

#### 1.3 Recommended use of the chemical and restrictions on use

Recommended use

Firestop mortar

#### 1.4 Details of manufacturer or importer

**Supplier**

Hilti (New Zealand) Ltd.  
Level 1, Building B 600 South Road Ellerslie  
Auckland 1051  
New Zealand  
T +64 9 571 9995  
800 444 584 toll free - F +64 9526 7780  
[servicenz@hilti.com](mailto:servicenz@hilti.com)

**Department issuing data specification sheet**

Hilti AG  
Feldkircherstraße 100  
Schaan 9494  
Liechtenstein  
T +423 234 2111  
[product.compliance-fire.protection@hilti.com](mailto:product.compliance-fire.protection@hilti.com)

#### 1.5. Emergency phone number

Emergency number

GBK GmbH Global Regulatory Compliance  
+49 (0)6132-84463

Country	Organisation/Company	Address	Emergency number
New Zealand	National Poisons Centre		0800 764 766

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

HSNO Approval Number

HSR002542

**Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)**

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335

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### 2.2. GHS Label elements, including precautionary statements

#### GHS NZ labelling

Hazard pictograms (GHS NZ)



Signal word (GHS NZ)

Danger

Contains

Portland cement (25-40 %)

Hazard statements (GHS NZ)

H315 - Causes skin irritation

H318 - Causes serious eye damage

H335 - May cause respiratory irritation

Prevention

P261 - Avoid breathing dust.

P280 - Wear eye protection, protective gloves, protective clothing.

Response

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition and information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	Conc.	Classification according to GHS NZ
Portland cement	CAS-No.: 65997-15-1	25-40	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact

Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Symptoms caused by exposure

Symptoms/effects after inhalation

May cause respiratory irritation.

Symptoms/effects after skin contact

Causes skin irritation.

Symptoms/effects after eye contact

Causes serious eye damage.

### 4.3. Medical attention and special treatment

Other medical advice or treatment

Treat symptomatically.

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### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media Water spray. Dry powder. Foam. Carbon dioxide. Sand.  
Unsuitable extinguishing media Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

No additional information available

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

##### 6.1.1. For non-emergency personnel

Emergency procedures Ventilate spillage area. Avoid breathing dust. Avoid contact with skin and eyes. Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.  
Emergency procedures Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling Use only outdoors or in a well-ventilated area. Avoid breathing dust. Avoid contact with skin and eyes. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.  
Hygiene measures Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands, forearms and face thoroughly after handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from moisture. Keep only in the original container in a cool, well ventilated place away from :  
Incompatible products Strong bases. Strong acids.  
Incompatible materials Sources of ignition. Direct sunlight.  
Storage temperature 5 – 30 °C

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### SECTION 8: Exposure controls and personal protection

#### 8.1. Control parameters - exposure standards

Portland cement (65997-15-1)	
New Zealand - Occupational Exposure Limits	
Local name	Cement (Portland cement)
WES-TWA (OEL TWA)	3 mg/m <sup>3</sup>
Remark (NZ)	dsen (Dermal sensitiser)
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 13th Edition

#### Exposure limit values for the other components

No additional information available

#### 8.2. Monitoring methods

No additional information available

#### 8.3. Engineering controls

Appropriate engineering controls

Ensure good ventilation of the work station.

#### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment

Protective goggles. Gloves. Protective clothing. Avoid all unnecessary exposure.

Hand protection

Wear protective gloves.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)			EN ISO 374

Eye protection

Chemical goggles or safety glasses

Type	Field of application	Characteristics	Standard
Safety glasses	Dust		EN 166, EN 170

Skin and body protection

Wear suitable protective clothing

Respiratory protection

Dust production: dust mask with filter type P2. Wear appropriate mask

#### Personal protective equipment symbol(s)



Environmental exposure controls

Avoid release to the environment.

Other information

Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

Physical state

Solid

Appearance

Powder.

Colour

Grey

Odour

characteristic

Odour threshold

No additional information available

pH

No additional information available

Evaporation rate

No additional information available

Relative evaporation rate (butylacetate=1)

No data available

Melting point / Freezing point

Melting point: > 1000 °C

Freezing point: Not applicable

Boiling point

No data available

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Flash point	Not applicable
Auto-ignition temperature	Not applicable
Flammability	Non flammable.
Vapour pressure	No additional information available
Relative density	No additional information available
Density	Relative density: Not applicable
Solubility	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	Not applicable
Viscosity, dynamic	No data available
Explosive properties	No data available
Explosive limits	Not applicable
Minimum ignition energy	No data available

### SECTION 10: Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under normal conditions. Not established.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use. Not established.
Conditions to avoid	None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.
Incompatible materials	Strong acids. Strong bases.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Toxicity

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	May cause respiratory irritation.

#### Portland cement (65997-15-1)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

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Viscosity, kinematic	Not applicable
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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Hazardous to the aquatic environment, short-term (acute)	Not classified.
Hazardous to the aquatic environment, long-term (chronic)	Not classified.
Soil toxicity	Not classified
Terrestrial vertebrate toxicity	Not classified
Terrestrial invertebrate toxicity	Not classified
Other information	Avoid release to the environment.

Portland cement (65997-15-1)	
LC50 - Fish [1]	> 1000 mg/l (96 h, Pisces)

### 12.2. Persistence and degradability

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Persistence and degradability	Not established.
Portland cement (65997-15-1)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
BOD (% of ThOD)	Not applicable

### 12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
Portland cement (65997-15-1)	
Bioaccumulative potential	No bioaccumulation data available.

### 12.4. Mobility in soil

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Mobility in soil	No additional information available
Portland cement (65997-15-1)	
Surface tension	No data available in the literature
Ecology - soil	No (test)data on mobility of the substance available.

### 12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

## SECTION 13: Disposal considerations

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.
Ecological information	Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

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ADR	IMDG	IATA	RID
<b>14.1. UN number or ID number</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available			

### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

No data available

#### Air transport

No data available

#### Rail transport

No data available

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

#### Hazardous Substances and New Organisms Act

HSNO Approval Number HSR002542

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Issue date	18/10/2024
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#### Indication of changes:

Composition and information of the ingredients of the hazardous chemical.

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Indication of changes			
Section	Changed item	Change	Comments
			general update

### Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

### Abbreviations and acronyms

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ThOD - Theoretical oxygen demand (ThOD)

TLM - Median Tolerance Limit

TRGS - Technical Rules for Hazardous Substances

VOC - Volatile Organic Compounds

vPvB - Very Persistent and Very Bioaccumulative

WGK - Water Hazard Class

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE - Acute Toxicity Estimate

BCF - Bioconcentration factor

BLV - Biological limit value

BOD - Biochemical oxygen demand (BOD)

CAS-No. - Chemical Abstract Service number

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

COD - Chemical oxygen demand (COD)

DMEL - Derived Minimal Effect level

DNEL - Derived-No Effect Level

EC-No. - European Community number

EC50 - Median effective concentration

ED - Endocrine disrupting properties

EN - European Standard

IARC - International Agency for Research on Cancer

IATA - International Air Transport Association

IMDG - International Maritime Dangerous Goods

IOELV - Indicative Occupational Exposure Limit Value

LC50 - Median lethal concentration

LD50 - Median lethal dose

LOAEL - Lowest Observed Adverse Effect Level

NOAEC - No-Observed Adverse Effect Concentration

NOAEL - No-Observed Adverse Effect Level

NOEC - No-Observed Effect Concentration

N.O.S. - Not Otherwise Specified

OECD - Organisation for Economic Co-operation and Development

OEL - Occupational Exposure Limit

PBT - Persistent Bioaccumulative Toxic

PNEC - Predicted No-Effect Concentration

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS - Safety Data Sheet

STP - Sewage treatment plant

### Other information

None.

Full text of H-statements	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1



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Full text of H-statements	
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation

SDS\_NZ\_Hilti

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.