

Material Safety Data Sheet

(Prepared in accordance with the Regulation on Information Forms on Hazardous Substances and Mixtures (Official Gazette on Registration, Evaluation, Authorization and Restriction of Chemicals 30105 dated 23 June 2017) and (EU) 2020/878

C30/37 Ready Mix Concrete

Version: 1

Print Date :02.05.2025

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Substance Name	C30/37 Ready Mix Concrete
Synonyms	Concrete, Colored Concrete, Freshly Mixed Concrete

1.2 Relevant Identified Uses Of The Product And Uses Advised Against

Relevant Identified Uses	Ready Mix Concrete is used in the construction of various structures and objects.
Uses Advised Against	No data available

1.3 Details Of The Manufacturer and Supplier Of The Safety Data Sheet

Supplier (Manufacturer)	LİMAK ÇİMENTO SANAYİ VE TİCARET ANONİM ŞİRKETİ GÜVERCİNLİK HAZIR BETON TESİSİ ŞUBESİ
Address	BAHÇEKAPI Mahallesi, ÇİMENTO FABRİKASI KÜME EVLER, No: 98 C-, ETİMESGUT/ANKARA
Phone	0(312) 211 07 70 - 0(312) 211 04 25

1.4 Emergency Telephone Number

European Emergency N°: 112
Emergency telephone at the company : 0(312) 211 07 70 - 0(312) 211 04 25

2. HAZARDS IDENTIFICATION

2.1. Classification According to Regulation

Skin Irrit. 2 H315
Eye Dam. 1 H318
STOT SE 3 H335

2.2. Label Elements

2.2.1. Labeling According to Regulation

Hazard Pictograms



Signal Word

Danger

Hazard Statement(s)

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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.

P304+P340 IF INHALED: If breathing is difficult, remove victim to fresh air and keep in a comfortable position for breathing easily.

P333+P313+312 Harmful in contact with skin. If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with regulations.

Supplemental Hazard Information (EU) Statements

No information

2.3. Additional Information

The substance does not meet the criteria for PBT or vPvB substance. No other hazards identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description Of The Substance

The compound product

3.2 Hazardous ingredients

Chemical Name	EINECS ² NO- CAS ³ NO.	CONTENT %	CLASSIFICATION	
			CLP	
Aggregates/Crushed Stone	-	35-60	not classified as harmful under current legislation	
Portland Cement	266-043-4 65997-15-1	25-30	Skin Irrit. 2 Skin Sens. 1B Eye Dam. 1 STOT SE 3	H315 H317 H318 H335
Ashes	268-627-4 68131-74-8	0-25	not classified as harmful under current legislation	
Water	231-791-2 7732-18-5	5-10	not classified as harmful under current legislation	

3.2.1 Additional information

No data available

3.2.2 Additional warnings:

All the explanations for damage related to the subject are given in Chapter 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 Following inhalation

Move exposed individual to fresh air. Dust in throat and nasal passages should clear naturally by coughing, sneezing and nasal discharge. Obtain medical attention if symptoms persist or develop later.

4.1.2 Following skin contact

Wash affected areas with water and soap. Remove contaminated clothing and wash before reuse. If irritation persists or develops later, obtain medical attention.

4.1.3 Following eye contact

If exposed or concerned: get medical attention. Do not allow individual to rub eyes. Flush eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. Other than washing with water, do not attempt to remove material from eyes. Remove contact lenses, if present and easy to do. Obtain medical attention for eye contact with wet concrete.

4.1.4 Following ingestion

Ingestion is not a common route of occupational exposure. If swallowed and irritation or discomfort occurs, obtain medical attention

4.2 Most important symptoms/effects, acute and delayed potential acute health effects

- Eye contact:** Exposure to dust from dry ingredients or hardened cement can cause irritation and tearing of the eyes. Exposure to wet concrete may result in irritation or burns.
- Inhalation:** Symptoms of exposure may include upper respiratory discomfort with coughing and sneezing. Inhalation may cause upper respiratory tract infection. A “rare” acute form of silicosis may develop from inhalation of extremely high concentrations of crystalline silica over a period of several months to five years.
- Skin contact:** Ready Mix Concrete contains Portland Cement, which may contain trace amounts of hexavalent chromium and is linked with allergic sensitization reactions in some individuals. These reactions may lead to contact dermatitis and skin ulceration. Exposure to dust from dry ingredients or hardened cement can cause skin irritation, dermatitis and/or redness to the exposed skin. Wet concrete exhibits caustic, abrasive and dehydrating properties. Irritation or pain may be delayed for several hours and cannot be relied upon as an indication of exposure.
- Ingestion:** Ingestion is not a common route of occupational exposure. If swallowed and irritation or discomfort occurs, obtain medical attention.

4.3 First Signs for Medical Intervention and Special Treatment Needs

No specific actions are required

5. FIRE FIGHTING MEASURES

5.1 Fire extinguishers:

Suitable Extinguishing: Not combustible. Use extinguishing agent appropriate for surrounding flammable materials.

Incompatible: No restriction on the extinguishing media to be used.

Other Explanations: No information

5.2 Special Losses Resulting from Article or Mixture:

Losses Related to following Combustion materials: Not combustible. Nonflammable. Spalling of hardened concrete may occur under conditions of intense heat.

Losses Related to Type Explosion: No information

Losses related to reactivity: No information

Other Explanations: No information

5.3 Recommendations for Fire Fighting Squads:

Fire Fighting Instructions: Material is nonflammable. Use appropriate procedures for surrounding flammable materials.

Protective Equipment for Personnel involved in the fight against fire: Use protective equipment appropriate for surrounding materials. No specific precautions.

Other Explanations: No information

5.4 Other informations

No information

6.ACCIDENTAL AGRICULTURAL PREVENTION

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Exposure controls and personal protective measures as described in section 8.

Protective Equipment	Wear personal protective equipment in compliance with national legislation.
----------------------	---

Emergency Procedures	Keep unprotected personnel out of the area. Do not dry sweep dusty material. All local and national laws governing waste disposal must be followed.
----------------------	---

Other Explanations	No information
--------------------	----------------

6.1.2 For Persons Interfering in an Emergency

Protective Equipment	Wear personal protective equipment in compliance with national legislation.
----------------------	---

Emergency Procedures	Keep unprotected personnel out of the area. Do not dry sweep dusty material. All local and national laws governing waste disposal must be followed.
----------------------	---

Other Explanation	No information
-------------------	----------------

6.2 Environmental Precautions:

Clean spilled material immediately. Contain spills and wash water to prevent run-off into public waterways. Remove wet concrete from roadways immediately. Do not dry sweep spilled dusty material

6.3 Methods and Materials for Conservation and Cleaning:

Small spill:Alkali resistant gloves, long sleeves, long pants and safety glasses should be used by clean up personnel for wet concrete releases.

Large spill:Waterproof boots and goggles should be used. Eye protection and appropriate respirator protection should be used to protect clean up personnel against dust.

6.4 Other Information:

Comply with local regulations.

6.5 References to Other Departments:

Information on safe handling is obtained from Chapter 7.

Information on personal protective equipment is given in section 8.

Information on liquidation is obtained from Chapter 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Use personnel protective equipment to avoid direct contact with concrete. Remove contaminated clothes as soon as possible. Dust may be generated during handling or mixing dry powder or from cutting, breaking or crushing hardened material. Use wet cutting methods when possible.

7.1.1 General Handling Recommendations:

7.1.1.1 Warnings for Safe Handling

No information

7.1.1.2 Warnings Regarding Disputes of Substance or Mixtures

No information

7.1.1.3 Environment Related Alerts

No information

7.1.1.4 Additional Notices

No information

Observe good industrial hygiene practices. Promptly remove dusty clothing and launder before reuse.

7.2 Conditions for Safe Storage Including Conflicts:

Technical Measures During storage, the product should be separated from strong acids.

Storage Conditions In order to maintain the product quality and properties, it should be protected from moisture and adverse weather conditions. Packages should be stored tightly closed in dry and well-ventilated areas.

Common Storage Terms No information

7.2.1 Advice on general occupational hygiene

No information

7.3 Specific End uses: If you require advice on specific uses, please contact your supplier or check the Good Practice Guide referred to in section 16.

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Ingredient name	Exposure limits
Particulates not otherwise classified (CAS SEQ250)	ACGIH TLV (United States, Canada) TWA: 3 mg/m ³ . Form: Respirable particles TWA: 10 mg/m ³ . Form: Inhalable particles OSHA PEL (United States) PEL: 5 mg/m ³ . Form: Respirable fraction PEL: 15 mg/m ³ . Form: Total dust MSHA PEL (United States) PEL: 5 mg/m ³ . Form: Respirable fraction PEL: 10 mg/m ³ . Form: Total dust
Portland Cement	ACGIH TLV (United States and Canada) TWA: 1 mg/m ³ . Form: Respirable dust OSHA PEL (United States) PEL: 5 mg/m ³ . Form: Respirable fraction PEL: 15 mg/m ³ . Form: Total dust MSHA PEL (United States) PEL: 5 mg/m ³ . Form: Respirable fraction PEL: 10 mg/m ³ . Form: Total dust

8.2. Exposure controls

8.2.1. Appropriate engineering controls:

The use of ventilation or other engineering controls may be necessary to maintain airborne levels below any applicable limits. Under normal operations general ventilation should suffice.

8.2.2. Individual protection measures such as personal protective equipment:

8.2.2.1 Eye/face protection

Safety glasses with side shields should be worn as minimum protection from dust. Dust goggles or full face protection should be worn when very dusty conditions are present or are anticipated.

8.2.2.2 Skin & hands protection

Clothing with long sleeves will provide protection. Waterproof boots high enough to prevent cement from entering should be worn when workers will be standing in wet concrete. Contaminated work clothing should be washed after use.

Hand Protection: Use alkali resistant gloves to provide hand protection from concrete.

8.2.2.3 Respiratory protection

The need for respiratory protection should be evaluated by a qualified professional. The

use of respirators for controlling exposures in excess of the occupational exposure limit must comply with regulatory requirements for medical surveillance, respiratory fit testing, repair and cleaning, and user training. In dusty areas, air monitoring for dust and quartz should be conducted regularly. Dust and quartz levels in excess of appropriate exposure limits should be reduced by all feasible engineering controls, including but not limited to, wet suppression, ventilation, process enclosure, and enclosed employee work stations.

8.2.2.4 Thermal hazards

The substance does not represent a thermal hazard, thus special consideration is not required.

8.2.3. Environmental exposure controls:

Avoid wind dispersal.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important health, safety and environmental information

9.2 Appearance

Form/Physical state	Fluid, odorless, granular mud-like material
Color	Grey
Odour	Odourless
Odour threshold	Not relevant

9.3 Safety relevant basic data

Boiling point	>1000
Specific Gravity (kg/m ³)	2000-2600
Relative Density (g/cm ³)	1,5-3,0
pH (400 g/l water at 20°C)	12-13
Solubility	Interfere

Note : The above properties are determined according to the methods prescribed in Annex-1 Part A of the Annex-I Regulation on Test Methods to be Applied in Determination of the Physico-Chemical, Toxicological and Ecotoxicological Properties of the Materials and Mixtures, or other comparable method.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable

10.2 Chemical stability

This material is considered stable under recommended handling and storage conditions.

10.3 Hazardous Decomposition

Polymerization will not occur.

10.4 Conditions to Avoid: (The temperature at which hazardous reactions may occur is under the conditions to avoid such as pressure, light, shock, etc.):

Keep dry until used. Avoid contact with incompatible compounds.

10.5 Substances to be avoided: (Conditions relevant to water, air, acids, bases, oxidizing agents or any other special substances which may cause a hazardous reaction):

Wet cement may react with acids, aluminum, ammonium salts, alkali and alkaline earth compounds.

10.6 Hazardous decomposition products

Hazardous Decomposition Materials:

None

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

(a) acute toxicity;

Not reported to be acutely toxic.

(b) skin corrosion/irritation;

Skin: May cause skin burns or skin ulcers.

Eyes: May cause eye irritation or serious eye damage.

Respiratory: Studies indicate an increased risk of lung cancer from chronic exposure to respirable crystalline silica

(c) serious eye damage/irritation;

Based on available data, the classification criteria are not met

(d) respiratory or skin sensitisation;

May cause sensitization due to the potential presence of trace amounts of hexavalent chromium.

(e) germ cell mutagenicity;

No data available

(f) carcinogenicity;

Product/ingredient name	IARC	ACGIH	NTP
Portland Cement	-	A4	-

(g) reproductive toxicity;

Based on available data, the classification criteria are not met

(h) STOT-single exposure

Based on available data, the classification criteria are not met

(i) STOT-repeated exposure

Based on available data, the classification criteria are not met

(j) aspiration hazard.

Based on available data, the classification criteria are not met

11.2- Information on other hazards

11.2.1- Endocrine disrupting properties No test data is available for the mixture.

11.2.2- Other information No test data is available for the mixture

12. ECOLOGICAL INFORMATION

12.1. Toxicity

not relevant

12.2. Persistence and degradability

Not readily biodegradable

12.3. Bioaccumulative potential

No available data

12.4. Mobility in soil

No available data

12.5. Results of PBT and vPvB assessment

not relevant

12.6. Other adverse effects

No specific adverse effects known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste treatment methods

Waste from residues / unused products

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

Packaging

Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles.

The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

Recycling and disposal of packaging should be carried out in compliance with local regulations.

14. TRANSPORT INFORMATION

	ADR ⁷ /RID ⁸	ADNR ⁹	IMDG ¹⁰	ICAO ¹¹ /IATA ¹²
TRANSPORTATION				
14.1. UN/ID No.	Not classified			
14.2. PROPER SHIPPING NAME				
SYMBOL	-	-	-	-
14.3. CLASS	Not classified			
14.4 PACKAGING GROUP	Not classified			
LABELLING NO	-	-	-	-
CLASSIFICATION CODE	-	-		
HAZARD NO (HIN NO)	No special environmental precautions required			
PASSENGER & CARGO AIRCRAFT MAXIMUM NET QUANTITY				
14.5 EmS				
14.6 MARINE Pollutant			-	

Road Transport Notes:

The product does not have international regulations on the transport of dangerous goods (IMDG, IATA, ADR / RID). A warning sign for transport is also not required.

15. REGULATORY INFORMATION

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

Product; Classified and labeled according to the procedures and principles stipulated in the "Regulation on the Classification, Labeling and Packaging of the Products and Mixtures" and "in the EU legislation"

Examine the following regulations for other national measures that may be relevant to legislation or interest for the implementation of the provisions of this safety data sheet.

Regulation on Safety Data Sheets for Hazardous Substances and Mixtures

Regulation on the Classification, Labeling and Packaging of Matter and Mixtures

Regulation on the Restriction and Prohibition of Hazardous Substances and Mixtures

Law on Occupational Health and Safety

Regulation on Health and Safety Precautions in Carcinogenic and Mutagenic Activities

Regulation on Health and Safety Precautions in Working with Chemical Substances

Regulation on the Use of Personal Protective Equipment in

Workplaces Hand Carrying Works Regulation

Waste Management Regulation

Regulation on the Prevention and Reduction of Major Industrial Accidents

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for this mixture by the supplier. when the records are submitted to the relevant authority, their approved versions can be supplied from the company.

16.OTHER INFORMATION

16.1 Other information

This document has been prepared and documented in accordance with the Regulation on Information Forms on Hazardous Substances and Mixtures (Official Gazette on Registration, Evaluation, Authorization and Restriction of Chemicals 30105 dated 23 June 2017) and (EU) 2020/878.

Expert Accreditation No:Chemical Engineer Fulya Ünal TÜV/11.234.01

Certificate Validity Date: 14.02.2029

16.2 Reason of re-issue

1

16.3 Classification For Mixtures And Used Evaluation Method According To ;

The Regulation on Information Forms on Hazardous Substances and Mixtures (Official Gazette on Registration, Evaluation, Authorization and Restriction of Chemicals 30105 dated 23 June 2017) and (EU) 2020/878

16.4 Explanations on the Methods of Classification of Hazardous Dissatisfaction (Which of the methods of assessing the information set out in Article 11 of the Regulation on Classification, Labeling and Packaging of Materials and Mixtures are used for classification purposes)

16.5 Other Topics:

- *Contact our sales department for suggestions on safe use of the product.*
 - *Contact our sales department for recommended limitations on the use of the product and for non-legal recommendations.*
 - *It is advisable to obtain appropriate training for workers to read and use safety data sheets and labeling information in a clear way, in order to protect the human health and environment against product exposure and general safety culture.*
 - *Key information sources used in the arrangement of this safety data sheet;*
 - Safety Information Form / Forms prepared by the manufacturer for the product*
 - *"Regulation on Safety Data Sheets for Hazardous Substances and Mixtures" and annexes,*
 - *"Regulation on the Classification, Labeling and Packing of Materials and Mixtures" and its annexes*
 - *"Regulation on Health and Safety Precautions for Carcinogenic and Mutagenic Activities" and its annexes,*
 - *Other relevant local regulations*
 - *UN ADR, IMDG, IATA lists, ECHA and related EU directives,*
- Other helpful resources.*

16.6Additional Information:

- *The information provided in this Safety Data Sheet was prepared based on our best available experience, knowledge and belief on the date of its preparation.*
- *The information provided is designed as a guide for safe handling, handling, handling, storage, disposal and disposal.*
- *This information applies only to the specified substance / mixture, unless otherwise specified in the documentation, and may not apply if this substance is used in combination with other substances or if any other procedure is used.*
- *Please observe the information on the Safety Data Sheet for use.*

This information is based on our current knowledge.

This Safety Data Sheet defines the product according to the recognized safety regulations, but does not guarantee the safety of the product.

It does not constitute a guarantee and the product specifications do not establish a legally valid contractual relationship.

¹ RG: Official newspaper

² EINECS: Kimyasal maddelerin Avrupa Envanteri

³ CAS: Kimyasal maddelerin servis kayıt numarası

⁴ PBT: Persistent Bioaccumulative Toxic

⁵ VPVB: Very Persistent, Very Bioaccumulative

⁶ BCF: Bioconcentration Factor

⁷ ADR: Accord Dangereux Routier (European regulations concerning the international transport of dangerous goods by road)

⁸ RID: Regulations Concerning the International Transport of Dangerous Goods by Rail (European law)

⁹ ADN: Regulation for the Carriage of Dangerous Substances on the Rhine (EU)

¹⁰ IMDG: International Maritime Dangerous Goods (United Nations)

¹¹ ICAO: International Civil Aviation Organization