



MATERIAL SAFETY DATA SHEET

Calcite / CaCO₃ / Calcium Carbonate

TRADE NAMES aykal

SECTION 1 PRODUCT INFORMATION

PRODUCT Calcite / CaCO₃ / Calcium Carbonate
PRODUCT USES Mineral Filler and Pigment
PRODUCER Aykal Madencilik Ticaret ve Sanayi A.Ş.
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EMERGENCY NUMBER

SECTION 2 PRODUCT INFORMATION

CHEMICAL CHARACTERIZATION Calcite / CaCO₃ / Calcium Carbonate

CAS NO 471-34-1
EINECS NO 207-439-9

INGREDIENTS	WT.(%)
CaCO ₃	99,06
MgO	0,62
Fe ₂ O ₃	0,02
SiO ₂	0,01
Al ₂ O ₃	0,02
HCl insoluble	0,05
Loss of Ignition	44,12

SECTION 3 HAZARDS IDENTIFICATION

Calcite is not harmful for human health and environment. But, it may cause irritation in respiratory system when exposed a lot of amount and continuously.

SECTION 4 FIRSTAID MEASURES

EYE CONTACT Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.

SKIN CONTACT Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Serious Skin Contact: Not available

INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Serious Inhalation: Not available

INGESTION Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear. Serious Ingestion: Not available

SECTION 5 FIRE AND EXPLOSION

FIRE - FIGHTING MEASURES None flammable. none explosive

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Dusk mask P1
ENVIRONMENTAL PROTECTIVE MEASURES No special measures required.
METHODS OF CLEANING/ADSORPTION Take-up product mechanically. Avoid dusting. Rinse remains with plenty of water.



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SECTION 7

HANDLING AND STORAGE

INSTRUCTIONS ON SAFE HANDLING

Administrative and/ or engineering control methods such as process enclosure and exhaust ventilation may be necessary to control dust exposures. Supply sufficient replacement air to make up for air removed by exhaust systems. If engineering controls and work practices are not effective in controlling exposures, appropriate personal protective equipment including dust respirator should be worn. When repeated or prolonged contact with hands is likely, appropriate gloves should be used. Appropriate eye protection should be worn. Selection of all personal protective equipment should be performed by an Industrial Hygienist or other qualified professional.

STORAGE

Store in closed containers in a dry place separate from incompatible materials

SPILLS/LEAKS

Measures should be taken to minimize and protect against airborne dust during clean-up operations, including use of respiratory protective equipment if necessary.

DISPOSAL

From a waste perspective, this product is not considered hazardous and may be disposed of as solid waste in accordance with applicable federal and local regulations.

PACKAGING MATERIAL

PP or kraft paper sacks or big bags

SECTION 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS

Lokal exhaust rules apply adequate measures according to exposure limits

EXPOSURE LIMITS

MAC C: 10 mg/m^3 MAC-TGG C: 5 mg/m^3

HYGIENE MEASURES

Follow the usual good standards of occupational hygiene

RESPIRATORY PROTECTION

In case of dust/smoke formation, use a dust respirator P1. Only use breathing apparatus in accordance international/national norms.

HAND PROTECTION

Not required.

EYE PROTECTION

Not required.

BODY PROTECTION

Not required.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR

Powder, no odor

COLOUR

White

BOILING POINT

Not applicable

MELTING POINT

$825 \text{ }^\circ\text{C}$ ($1517 \text{ }^\circ\text{F}$)

SOLUBILITY IN WATER

Slightly soluble ($1.3 \text{ mg/100 gr @ } 20 \text{ }^\circ\text{C}$)

RELATIVE DENSITY

2.7 g/cm^3

PH

9

FLASH POINT

Not applicable

SPECIAL FIRE FIGHTING PROCEDURES

None

UNUSUAL FIRE AND EXPLOSION HAZARDS

None

SECTION 10

STABILITY AND REACTIVITY DATA

STABILITY

Stable

REACTIVITY IN WATER

None

HAZARDOUS POLYMERIZATION

Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition can produce calcium oxide and carbon dioxide

CONDITIONS TO BE AVOIDED

Reacts with acids to liberate carbon dioxide. Ignites on contact with fluorine. Also incompatible with alum and ammonium salts.



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SECTION 11 TOXICOLOGICAL INFORMATION

INHALATION

Dust may irritate the respiratory tract.Symptoms include sneezing and slight nose irritation. Remove to fresh air.Obtain medical advice if required

EYE CONTACT

Irritation .Symptoms include watering and irritation.Immediately flush the contaminated eye(s) with lukewarm,gently flowing water for 10 minutes holding the eyelid(s) open.If irritation persists, obtain medical advice immediately.

SKIN CONTACT

Repeated or prolonged exposure may have a drying effect on the skin and may also cause irritation.:Wash with warm water and mild soap.If irritation occurs, obtain medical advice immediately.

INGESTION

Ingestion of very large quantities may result in intestinal obstruction and/or constipation.Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing.Rinse mouth thoroughly with water.Do not induce vomiting.Drink 8 to 10 ounces (240 to 300 ml) of water to dilute material in stomach.Obtain medical advice immediately.

SECTION 12 ECOLOGICAL INFORMATION

INHALATION

Product is not hazardous.

SECTION 13 DISPOSAL CONSIDERATION

PRODUCT

Waste must be disposed of in accordance with national and local environmental control regulations.

SECTION 14 TRANSPORT INFORMATION

TRANSPORT/ADDITIONAL INFORMATION

Non-hazardous according to IATA rules.

SECTION 15 OTHER REGULATORY INFORMATION

FEDERAL AND STATE REGULATIONS

TSCA 8 (b) inventory:Calcium Carbonate

OTHER REGULATION

EINECS :This product is on European Inventory of Existing Commercial Chemical Substances

DSCL (EEC)

R36-Irritating to eyes S2-Keep out of reach of children S46-If swallowed,seek medical advice immediately and show this container or label.

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A)

Health	1
Flammability	0
Reactivity	0
Specific Hazard	

PROTECTIVE EQUIPMENT

Gloves.Lab coat.Dust respirator.Be sure to be use an approved/certified respirator or equivalent.Splash goggles

SECTION 16 OTHER INFORMATION

This product should be stored,handled and used in accordance with good hygiene practices in conformity with any legal regulations.This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements.It should therefore not be construed as guaranteeing specific properties. The information contained in this Material Safety Data Sheet elates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.The information provided herein based on technical data that Aykal Maden believes to be reliable.Analysis methods are the Standart methods which were tested and approved in Aykal Maden Research and Development Laboratory.We assure that the above were realized according to the specific methods and the results conform to the specifications designated by Aykal Maden.