supplier of premium mineral fillers and extenders
KISH company inc.
8020 Tyler Blvd. #100 Mentor, Ohio 44060 • Phone: 440.205.9970 • Fax: 440.205.9975
Web: www.kishcompany.com • Email: info@kishcompany.com

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : Limestone

Product code : C-MS-AT-2006ADSTDLS

Other means of identification : KC 7, KC12, KC18, KC25, KC 200, KC 325

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Mineral Additive

1.3. Details of the supplier of the safety data sheet

Kish Company, Inc.
8020 Tyler Blvd. Suite 100
Mentor, OH 44060
U.S.A.

Tel. 800-886-5238 or 440-205-9970

1.4. Emergency telephone number

Emergency number

Chemtrec: (800) 424-9300 (USA & Canada)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Carc. 1A H350

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H350 - May cause cancer (Inhalation)

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust
P280 - Wear protective gloves, protective clothing, eye protection
P308+P313 - If exposed or concerned: Get medical advice/attention
P405 - Store locked up

2.3. Other hazards

Other hazards not contributing to the classification : Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Calcium Carbonate	(CAS No) 1317-65-3	95 - 99	Not classified
Quartz (fine fraction)	(CAS No) 14808-60-7	0.1 - 1.0	Carc. 1A, H350 STOT SE 3, H335 STOT SE 1, H370

SECTION 4: First aid measures

4.1. Description of 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 victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop obtain medical attention.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause irritation to the respiratory tract.

Symptoms/injuries after skin contact : Repeated and/or prolonged skin contact may cause irritation.

Symptoms/injuries after eye contact : May cause eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : None known.

Reactivity : React in contact of. Acids.

5.3. Advice for firefighters

Protection during firefighting : 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

6.1.1. For non-emergency personnel

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Evacuate unnecessary personnel. Avoid dust formation. Avoid contact with skin, eyes and clothing. Do not breathe dust.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Where excessive dust may result, wear approved mask.

Emergency procedures : Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust. Wear independent breathing equipment.

6.2. Environmental precautions

Notify authorities if large amounts of the product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect using vacuum cleaner fitted with HEPA filter. Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust. Do not dry sweep dust. Store away from other materials.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe dust.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep only in the original container in a cool well ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Calcium Carbonate (1317-65-3)		
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	10 mg/m³ Total dust 5 mg/m³ respirable dust
USA OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ Total dust 5 mg/m³ Respirable Fraction

Quartz (fine fraction) (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³ Respirable Fraction
USA OSHA	OSHA PEL (TWA) (mg/m³)	0.1 mg/m³
USA OSHA	Remark (OSHA)	(3) See Table Z-3.

8.2. Exposure controls

Appropriate engineering controls : Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded. Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear chemically resistant protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Use chemically protective clothing.

Respiratory protection : Dust mask or respirator.

Thermal hazard protection : Not required for normal conditions of use.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Powder.

Color : White.

Odor : Odourless.

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative vapor density at 20 °C : No data available

Relative density : 2.71

Solubility	:	Water: Partially soluble
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	Not explosive.
Oxidizing properties	:	Not oxidizing.
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

React in contact of. Acids.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Can react violently with. acids.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

Acids.

10.6. Hazardous decomposition products

Thermal decomposition generates : Calcium oxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	Not classified
Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	May cause cancer (Inhalation).

Quartz (fine fraction) (14808-60-7)	
IARC group	1 - Carcinogenic to humans

Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified
Symptoms/injuries after inhalation	:	May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	:	Repeated and/or prolonged skin contact may cause irritation.
Symptoms/injuries after eye contact	:	May cause eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Limestone	
Bioaccumulative potential	No bioaccumulation.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Limestone	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

15.2.2. National regulations

Limestone
Determined as "Generally Recognized As Safe" (GRAS) by FDA - see 21 CFR 184.1409

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

Quartz (fine fraction) (14808-60-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes				

Calcium Carbonate (1317-65-3)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List

Quartz (fine fraction) (14808-60-7)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Revision date : 03/25/2015

Data sources : U.S. 29CFR Part 1910
ACGIH Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
IARC Monographs on the Evaluation Carcinogenic Risks to Humans World Health Organization
EU Directive 91/322/EEC and 2000/39/EC
NTP 11th Report on Carcinogens. US OSHA HazCom (GHS) 25 May 2012.

Abbreviations and acronyms : WHMIS (Workplace Hazardous Material Information System (Canada)). vPvB (very persistent and very bioaccumulative). TWA (Time Weighted Average). TSCA (Toxic Substances Control Act) (US). TLV (Threshold Limit Value) (ACGIH). STOT RE (Specific target organ toxicity (repeated exposure)). STEL (Short Term Exposure Limit). SCOEL (Scientific Committee on Occupational Exposure Limits). SCL (Specific Concentration Limit). RID (Règlement concernant le transport international ferroviaire de marchandises). Repr (Toxicity for reproduction). PNEC (predicted no effect concentration). PEL (Permissible Exposure Limit). PBT (Persistent, bioaccumulative and toxic). OEL (Occupational exposure limit). OECD (Organisation for Economic Co-operation and Development). NOHSC (National Occupational Health and Safety Commission (Australia)). NOAEL (No observed adverse effect leve). LOAEC (Lowest observed adverse effect concentration). LD50 (Lethal Dose 50%). LC50 (Lethal Concentration 50%). NOAEC (No observed adverse effect concentration). IOELV (Indicative Occupational Exposure Limit). IMO (International Maritime Organisation). NTP (National Toxicology Program) (US). OSHA (Occupational Safety and Health Administration) (US). STOT SE (Specific target organ toxicity (single exposure)). ACGIH (American Conference of Governement Industrial Hygienists). ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route). CAS (Chemical Abstracts Service) number. BCF (Bioconcentration factor). DOT (Department Of Transportation (US)). EC (European Community). EC50 (Effective Concentration 50%). IARC (International Agency for Research on Cancer). IATA (International Air Transport Association). ICAO (International Civil Aviation Organization). IMDG (International Maritime Dangerous Goods Code).

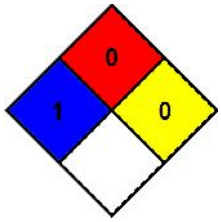
Full text of H-phrases: see section 16:

Carc. 1A	Carcinogenicity Category 1A
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H335	May cause respiratory irritation
H350	May cause cancer
H370	Causes damage to organs

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible,* Chronic Hazard - Chronic (long-term) health effects may result from repeated overexposure

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : E

NCEC SDS US (GHS HazCom 2012) V14_1