SAFETY DATA SHEET

MATERIAL: LIMESTONE AGGREGATE

Section 1 – Product Identification

Product Identifier

Product Name: Limestone aggregate
Synonyms: Carbonate rock, dolomite, calcite
Product Form: Solid
Intended Use of Product: Limestone aggregate is used as an additive in concrete and asphalt as well as for road base and soil stabilization.

Name, Address and Telephone of Responsible Party

Aggregate Industries
24 Crosby Drive
Bedford, MA 01730
(888) 646-5246

Emergency Contact Information:

CHEMTREC: 1-800-424-9300

Section 2 – Hazards Identification

Classification of the Substance or Mixture

Classification (GHS-US)

Specific Target Organ Toxicity: Single Exposure (Respiratory irritant) 3
Eye irritant 2B

Label Elements

Hazard Pictograms

Signal Word Warning

Hazard Statements May cause respiratory irritation
Causes eye irritation

Precautionary Statements

Prevention Avoid breathing dust.
Wear eye protection/face protection.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in well-ventilated area.

Response **If inhaled:** Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If on skin: No special response indicated.
If swallowed: No special response indicated.

Storage Store in a well-ventilated place. Keep container tightly closed.

Disposal Dispose of contents/container in accordance with local/state/national regulations.

Other Hazards None determined.

Section 3 – Composition/Information on Ingredients

Component/Ingredient	CAS #	Percent Present (Range)
Limestone (Calcium Carbonate)	1317-65-3	95 - 100
Nuisance Dusts (Particulates not otherwise regulated)	None	< 1 - 5

Other Components

Calcium carbonate (limestone) is mined from the earth. Trace amounts of naturally occurring chemical compounds might be detected during chemical analysis. These may include magnesium carbonate, aluminum silicates, iron oxide and aluminum oxide.

Section 4 – First Aid Measures

Description of First Aid Measures

Eyes Rinse eyes and under lids cautiously with clean water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin No special measures required.

Inhalation Remove person to fresh air away from dust and keep comfortable for breathing. If symptoms persist, obtain medical attention.

Ingestion No special measures required.

Important Symptoms and Effects (Acute and Delayed)

Eyes May cause eye irritation and may scratch eye surface due to particle abrasion.

Skin None expected.

Inhalation May irritate nose and throat if dust is inhaled. May cause coughing, sneezing, mucous discharge or dyspnea (shortness of breath).

Ingestion None expected.

Recommendations for Immediate Medical Care or Special Treatment

Seek immediate medical attention for inhalation of large quantities of dust. Seek immediate medical attention if material comes into contact with eyes and cannot be immediately removed.

Section 5 – Fire Fighting Measures

General Fire Hazards None. Material is not considered flammable or combustible.

Extinguishing Media Use water or water spray to extinguish any fires involving this material.

Extinguishing Media to Avoid None.

Hazards of Combustion None.

Fire Fighting Recommendations Firefighters should always wear full protective gear to fight any fire.

Refer to Section 9 for flammability information.

Section 6 – Accidental Release Measures

Precautions Avoid creating dust.

Personal Protection Wear respiratory protection and protective eyewear to avoid eye contact.

Emergency Procedures Ventilate area and avoid creating dust. Remove unnecessary persons from area.

Containment Procedures Barricade solid material to prevent additional spillage.

Clean Up Procedures Scoop or vacuum up spilled material while avoiding dust creation.

Section 7 – Handling and Storage

Safe Handling Practices Avoid contact with eyes. Avoid breathing dust. Use only in well ventilated areas. Wear appropriate personal protective equipment to prevent eye contact and use respiratory protection equipment if dusty or in poorly ventilated areas.

Safe Storage Measures Store in well-ventilated areas away from incompatible materials. If stored in containers, keep containers closed when not in use.

Incompatible Materials Keep away from fluoride compounds, strong acids and oxidizers.

Section 8 – Exposure Controls & Personal Protection

Exposure Limits for Individual Components **(T= Total Respirable [PNOC/PNOR], R=Respirable fraction, I=Inhalable-aerosol)**

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Limestone (Calcium Carbonate)	15 mg/m3 (T); 5 mg/m3 (R)	10 mg/m3	10 mg/m3 (T); 5 mg/m3 (R)
Nuisance Dusts (PNOR)	15 mg/m3 (T); 5 mg/m3 (R)	10 mg/m3	Not established

Exposure Controls

Engineering Controls Use outdoors in well-ventilated areas; otherwise employ natural or mechanical ventilation to maintain exposure within applicable limits.

Personal Protection Avoid contact with skin or eyes. Avoid creating or breathing dust.

Face and Eyes Safety glasses with side shields or protective goggles should be worn while using this product. For extremely dusty conditions, non-vented goggles or goggles with indirect venting are recommended. Avoid contact lens wear when using this product.

Body Long sleeved shirts and trousers should be worn while using this material.

Respiratory If exposure levels cannot be maintained below acceptable limits, suitable particulate-filtering facemasks or respirators approved by MSHA/NIOSH should be worn in accordance with the user's respiratory protection program and OSHA/MSHA guidelines.

Hands No special precautions are indicated.

Section 9 – Physical and Chemical Properties

Physical State	Solid	**Specific Gravity**	2.8
Appearance & Color	Grey/white rock	**Flash Point/Method**	None. Not flammable.
Odor	None	**Auto Ignition Temperature**	Not determined
pH	8 - 9	**Lower Flammability Limit**	Not applicable
Boiling Point	Not applicable	**Upper Flammability Limit**	Not applicable
Solubility (Water)	Negligible (<5%)	**Octanol/H2O Coefficient**	Not determined
Evaporation Rate	Not applicable	**Viscosity**	Not applicable
Melting Point	825°C	**Freezing Point**	Solid at room temperature
Vapor Density	Not applicable	**Explosion Risk: Static**	Not considered a hazard
Vapor Pressure	Not applicable	**Explosion Risk: Shock**	Not considered a hazard

Section 10 – Stability and Reactivity

Reactivity Stable material. Not considered reactive.

Chemical Stability Stable at standard temperature and pressures.

Hazardous Reactions None. Hazardous polymerization will not occur.

Conditions to Avoid Exposure to strong acids or fluorine

Incompatible Materials Limestone ignites on contact with fluorine and is incompatible with acids, alum, ammonium salts, and magnesium.

Decomposition Hazards Calcium oxide and carbon dioxide are generated when material melts.

Section 11 – Toxicological Information

Product: Limestone aggregate

Acute Toxicity Not classified.

LD50/LC50 Data Oral LD50 Rat 6450 mg/kg

Skin Corrosion/Irritation Not reported/no data available.

Critical Eye Damage/Irritation May cause eye injury due to particle abrasion and mechanical irritation.

Respiratory or Skin Sensitization Not reported/no data available.

Germ Cell Mutagenicity Not reported/no data available.

Teratogenicity Not reported/no data available.

Carcinogenicity Not reported/no data available.

Specific Organ Toxicity (Single Exposure) Not reported/no data available.

Specific Organ Toxicity (Repeated Exposure) May cause damage to lungs through repeated or prolonged exposure to respirable dust.

Reproductive Toxicity Not reported/no data available.

Aspiration Respiratory Hazard Not reported/no data available.
Symptoms: Inhalation Coughing, sneezing, mucous discharge and dyspnea.
Symptoms: Skin Contact May cause localized reddening through mechanical abrasion.
Symptoms: Eye Contact Redness and itching. Extended contact may lead to corneal abrasion/ulceration.
Symptoms: Ingestion Practically non-toxic. Ingesting large quantities may irritate digestive tract.
Other Toxicological Information No additional data available.

Components	Toxicity	Carc: IARC	Carc: NTP	Carc: OSHA
Limestone (Calcium carbonate)	Oral LD50 Rat 6450 mg/kg	Not listed	Not listed	Not listed
Nuisance Dusts (PNOR)	No data	Not listed	Not listed	Not listed

Section 12 – Ecological Information

General Ecotoxicity Not classified.
Persistence and Degradability Not reported/no data available.
Bioaccumulation Potential Not reported/no data available.
Mobility in Soil to Groundwater Not reported/no data available.
Environmental Fate Not reported/no data available.
Other Environmental Precautions or Information None.

Section 13 – Disposal Considerations

Disposal Methods Dispose as an inert, non-metallic mineral in accordance with applicable federal, state, and local regulations.
Special Considerations Avoid creation or breathing dust during disposal. Avoid contact with eyes.
Other Disposal Information None.

Section 14 – Transport Information

Proper Shipping Name N/A – not regulated.
Hazard Class N/A – not regulated.
UN Shipping ID Number N/A – not regulated.
Packing Group N/A – not regulated.
Environmental/IMDG Codes N/A – not regulated.

Section 15 – Regulatory Information

Federal

This product contains one or more chemical components or ingredients that may require identification and/or reporting under SARA Section 302, SARA Section 311/312/313, CERCLA and/or TSCA. An examination of the components of this product should be conducted by a qualified environmental professional to determine if such identification or reporting is required by federal law.

- Components: Limestone (Calcium carbonate)

State

This product contains one or more chemical components or ingredients that are included or listed on the hazardous substances lists for one or more of the following states: California, Maine, Minnesota, New Jersey, Pennsylvania and Rhode Island. An examination of the components of this product should be conducted by a qualified environmental or safety and health professional to determine the specific requirements for those states.

- Components: Limestone (Calcium carbonate)

Section 16 – Other Information

Date of last revision: May 28, 2015 **Prepared and reviewed by:** Holcim (US) Inc. Occupational Safety & Health

Other important information:
While the information provided in this document is believed to provide a useful summary of the hazards of limestone aggregate, the information in this document cannot anticipate and provide all of the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product.

The data furnished in this document do not address hazards that may be posed by other materials when mixed with limestone aggregate. Users should review other relevant safety data sheets before working with this product.

The information presented in the Safety Data Sheet is based on current knowledge and publications and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be interpreted as guaranteeing any specific property of the product.

SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY AGGREGATE INDUSTRIES, EXCEPT THAT THE PRODUCT SHALL CONFORM TO CONTRACTED SPECIFICATIONS.

--END OF SAFETY DATA SHEET--