Coated Limestone

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 09/11/2012 Revision date: 03/17/2015 Supersedes: 09/11/2012 Version: 2.0

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

1.1. Product identifier

Product form : Mixture

Product name : Coated Limestone

Product code : C-MS-AT-2001ADCOATLS

Other means of identification : HI-PFLEX® 100, PFINYL® 402, K3T, DRITHERM

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

Specialty Minerals Inc.,
260 Columbia Street,
Adams,
MA 01220
U.S.A

Tel. 1-877-684-7627

1.4. Emergency telephone number

Emergency number : +1 760-476-3962
3E Global Emergency Response Services. Access code: 333336 (if you mention SDS name and company name-you don't need the access code)

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 eye protection, protective gloves, protective clothing
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
Stearic acid	(CAS No) 57-11-4	1 - 5	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 : IF INHALED: Remove person to fresh air and keep comfortable for breathing. If symptoms develop obtain medical attention.

First-aid measures after skin contact : Remove contaminated clothing immediately and wash affected skin with plenty of water or soap and water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : 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.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Drink plenty of water. If symptoms develop, obtain medical attention.

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Not applicable.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Not combustible. Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Reactivity : Reacts violently with acids.

5.3. Advice for firefighters

Protection during firefighting : Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and eye or face protection.

Emergency procedures : Ventilate area. Avoid dust formation. Do not breathe dust.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal.

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 : Use only outdoors or in a well-ventilated area. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Keep/Store away from Incompatible materials.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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.

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

8.2. Exposure controls

Appropriate engineering controls : Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : In case of repeated or prolonged contact wear gloves.

Eye protection : Wear safety glasses with side shields.

Skin and body protection : Not required for normal conditions of use.

Respiratory protection : In case of insufficient ventilation and possible dust formation, wear suitable respiratory equipment.

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

Environmental exposure controls : Avoid release to the environment.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Dry powder.

Color : White.

Odor : odorless

Odor threshold : No data available

pH : 7 - 9 (20 °C)

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

Melting point : Not applicable

Freezing point : No data available

Boiling point : Not applicable

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : > 450 °C

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative vapor density at 20 °C : No data available

Relative density : 2.71 (limestone)

Solubility : Partially soluble.
Water:

Log Pow : No data available

Log Kow	:	Not relevant for inorganic substances
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	Not applicable.
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

Reacts violently with 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

Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	Not classified. Not classified.
Skin corrosion/irritation	:	Not classified pH: 7 - 9 (20 °C)
Serious eye damage/irritation	:	Not classified pH: 7 - 9 (20 °C)
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified Based on available data, the classification criteria are not met
Carcinogenicity	:	May cause cancer (Inhalation).

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

Reproductive toxicity	:	Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	:	Not classified.

Coated Limestone	
NOAEL (oral,rat)	1000 mg/kg body weight (OECD Guideline 422)

Specific target organ toxicity (repeated exposure)	:	Not classified Based on available data, the classification criteria are not met
Aspiration hazard	:	Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	:	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Coated Limestone	
ErC50 (algae)	> 14 mg/l Desmodesmus subspicatus-OECD 201

12.2. Persistence and degradability

Coated Limestone	
Persistence and degradability	Not relevant for inorganic substances.

12.3. Bioaccumulative potential

Coated Limestone	
Log Kow	Not relevant for inorganic substances
Bioaccumulative potential	Bioaccumulation unlikely.

12.4. Mobility in soil

Coated Limestone	
Ecology - soil	Not applicable.

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.

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : 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

Proper Shipping Name (IMDG) : Not applicable

Air transport

Proper Shipping Name (IATA) : Not applicable

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

No additional information available

15.2.2. National regulations

Coated Limestone
Generally, our Coated Limestone products use proprietary coatings which are approved under FDA food additive regulations at 21 CFR 172.860 as materials "which may be safely used in food and in the manufacture of food components"

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				

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

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

SECTION 16: Other information

Revision date : 03/17/2015

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. World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risks to Humans, Volume 93

EU Directive 1999/45/EC

U.S. Department of labor, 29CFR Part 1910.

ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices

EU Commission Directive 2009/161/EU.

Abbreviations and acronyms : CAS (Chemical Abstracts Service) number. IARC (International Agency for Research on Cancer). LC50 (Lethal Concentration 50%). LD50 (Lethal Dose 50%). EC50 (Effective Concentration 50%). PBT (Persistent, bioaccumulative and toxic). vPvB (very persistent and very bioaccumulative). REACH (Registration, Evaluation and Authorisation of CHemicals). CLP (Classification, Labeling and Packaging). DNEL (Derived No effect Limit). OECD (Organisation for Economic Co-operation and Development). PNEC (predicted no effect concentration). UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods). ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route). ATE (Acute Toxicity Estimate). EC (European Community). EN (European Norm). IATA (International Air Transport Association). IBC (Intermediate Bulk Container). IMDG (International Maritime Dangerous Goods Code). IMO (International Maritime Organisation). MAC (Maximal Allowed Concentration). O/W (Oil-in-Water (chemistry)). PMcc (Pensky-Martens Closed Cup test). RID (Règlement concernant le transport international ferroviaire de marchandises). STEL (Short Term Exposure Limit). TWA (Time Weighted Average). DMEL (Derived minimum effect level). BCF (Bioconcentration factor). ES (Exposure scenario). EPISUITE (Estimation Program Interface (EPI) Suite). EWC (European Waste Catalogue). IOELV (Indicative Occupational Exposure Limit). Koc (Soil adsorption coefficient). LLNA (The Mouse Local Lymph Node Assay). LOAEC (Lowest observed adverse effect concentration). NOAEC (No observed adverse effect concentration). NOAEL (No observed adverse effect leve). OEL (Occupational exposure limit). Repr (Toxicity for reproduction). SCL (Specific Concentration Limit). SCOEL (Scientific Committee on Occupational Exposure Limits). STOT RE (Specific target organ toxicity (repeated exposure)). STOT SE (Specific target organ toxicity (single exposure)).

Other information : None.

Full text of H-phrases: see section 16:

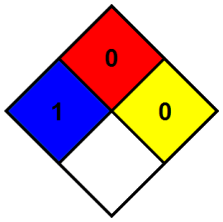
Carc. 1A	Carcinogenicity Category 1A
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H335	May cause respiratory irritation
H350	May cause cancer

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