



**THE ANDERSONS  
MATERIAL SAFETY DATA SHEET**

MSDS ID NO: C001

DATE PREPARED: 09/03/08

**SECTION I: PRODUCT IDENTITY**

PRODUCT NAME: Pelletized Limestone

MFR INFO: The Andersons  
1855 County Hwy 99  
Carey, OH 43316

FOR EMERGENCY: (800) 757-8951  
FOR INFORMATION: (419) 891-2957  
(419) 396-3501

CURRENT AS OF: 5/8/09

**SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Ammonium lignin sulfonate (CAS # 8061-53-8)		
Limestone (CAS # 1317-65-3)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)

**SECTION III: PHYSICAL DATA**

BOILING POINT: NA      EVAPORATION RATE: NA      pH: NA  
VAPOR DENSITY: NA      VAPOR PRESSURE: NA      MELTING POINT: NA  
SPECIFIC GRAVITY: 2.70 – 2.90  
SOLUBILITY (IN WATER): Insoluble  
APPEARANCE AND ODOR: Brown granular mix with slight odor

**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: Not flammable FLAMMABLE LIMITS: NA

EXTINGUISHING MEDIA: Use media suitable for surrounding fire

SPECIAL FIRE FIGHTING PROCEDURES:  
Wear full protective clothing and positive-pressure self-contained breathing apparatus

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
Decomposition products may be toxic

**SECTION V: REACTIVITY DATA**

CONDITIONS TO AVOID: None known

INCOMPATIBILITY: Strong acids

HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>x</sub>

Product is stable and hazardous polymerization will not occur.

**SECTION VI: PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: NIOSH approved particulate respirator, if required

EYE PROTECTION: Safety glasses with side shields, goggles, or faceshield are recommended

SKIN PROTECTION: Long sleeves, cotton gloves recommended

VENTILATION: Local exhaust ventilation recommended

**SECTION VII: HEALTH HAZARD DATA**

HEALTH HAZARDS: May be irritating to the respiratory tract, eyes, and skin.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory, skin, or eye conditions

FIRST AID PROCEDURES:

IF SWALLOWED: If victim is alert and not convulsing, give one glass of water to dilute material. Seek medical attention if problems develop or persist.

IF INHALED: Move victim to fresh air. Seek medical attention if irritation persists.

IF IN THE EYES: Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.

IF ON SKIN: Shower / wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens. However, product may contain trace amounts of crystalline silica, which is listed by IARC as a suspected carcinogen.

**SECTION VIII: PRECAUTIONS FOR SAFE HANDLING AND USE**

SPILL / RELEASE PROCEDURES: Collect spilled product and store to re-use.

WASTE DISPOSAL METHOD: Read product label before disposing of product and container. Dispose of in accordance with all federal, state, and local regulations. Reuse recovered product where possible.

HANDLING / STORING PRECAUTIONS: Store in a cool, dry, well ventilated area. Avoid contact with eyes and skin.

---

PREPARED BY: SS

The information and data contained herein is based upon facts considered to be correct as of the date hereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will The Andersons be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which this information refers.