



**THE ANDERSONS  
MATERIAL SAFETY DATA SHEET**

MSDS ID NO: S002

DATE PREPARED: 11/29/99

**SECTION I: PRODUCT IDENTITY**

PRODUCT NAME: Granulated Limestone

MFR INFO: The Andersons  
401 Agrico Lane  
Seymour, Indiana 47274

FOR EMERGENCY: (800) 757-8951  
FOR INFORMATION: (419) 891-2957  
(812) 522-1786

CURRENT AS OF: 10/2/08

**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: 1.30 – 1.35  
SOLUBILITY (IN WATER): Insoluble  
APPEARANCE AND ODOR: Grey / tan 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.

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PREPARED BY: SS

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