



**THE ANDERSONS  
MATERIAL SAFETY DATA SHEET**

MSDS ID NO: L137

DATE PREPARED: 02/16/06

**SECTION I: PRODUCT IDENTITY**

PRODUCT NAME: The Andersons Liquid Fertilizer 12-0-12 35% SRN & 3% Proactin

MFR INFO: The Andersons  
2345 S 400 E  
Logansport, Indiana 46947

FOR EMERGENCY: (800) 757-8951  
FOR INFORMATION: (419) 891-2957  
(574) 753-4974

CURRENT AS OF: 2/16/06

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

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Urea (CAS # 57-13-6)		
Potassium carbonate (CAS # 584-08-7)		
Methylene urea solution (CAS # Not listed)		
Proactin amino acid mix (CAS # Not listed)		

**SECTION III: PHYSICAL DATA**

BOILING POINT: NA      pH: 10.4 – 11.4      EVAPORATION RATE: NA  
VAPOR DENSITY: NA      VAPOR PRESSURE: NA      MELTING POINT: NA  
SPECIFIC GRAVITY: 1.23 – 1.25      BULK DENSITY: 10.4 lbs/gal  
SOLUBILITY (IN WATER): Soluble  
APPEARANCE AND ODOR: Light red / brown liquid with slight organic 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: Excessive heat (greater than 125°F)

INCOMPATIBILITY: Oxidizers, alkalis, hypochlorites, aldehydes, acids, copper

HAZARDOUS DECOMPOSITION PRODUCTS: NO<sub>x</sub>, CO<sub>x</sub>, NH<sub>3</sub>, cyanuric acid

Product is stable and hazardous polymerization will not occur.

**SECTION VI: PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: NIOSH approved mist respirator recommended, as needed

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

SKIN PROTECTION: Long sleeves, chemical-resistant (rubber) gloves recommended

VENTILATION: Local exhaust ventilation recommended

**SECTION VII: HEALTH HAZARD DATA**

HEALTH HAZARDS: May cause temporary and reversible eye irritation. May also cause irritation of the skin, respiratory tract, mucous membranes, and gastrointestinal tract. Ingestion may result in vomiting, diarrhea, drowsiness, slowed reflexes, slurred speech, and other symptoms consistent with mild CNS depression.

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, but DO NOT induce vomiting. Seek immediate medical attention.

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.

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

SPILL / RELEASE PROCEDURES: Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.

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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