



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 07/16/99

CURRENT AS OF: 9/15/15

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT NAME: The Andersons 9-18-9 Diamond

PRODUCT USE: Fertilizer

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

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

**SECTION 2: HAZARDS IDENTIFICATION**

HAZARD SYMBOLS / STATEMENTS:



**DANGER**

**TOXIC IF SWALLOWED  
MAY CAUSE SKIN IRRITATION  
MAY CAUSE EYE IRRITATION  
MAY CAUSE RESPIRATORY IRRITATION**



HAZARD CLASSIFICATIONS:

CATEGORY

INTERPRETATION

<i>ACUTE TOXICITY</i>	3	Moderate to High
<i>SKIN IRRITATION</i>	3	Skin Irritation Possible
<i>EYE IRRITATION</i>	2B	Eye Irritation Possible
<i>TARGET ORGAN SYSTEMIC TOXICITY</i>	3	Transient Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- *CALL A POISON CENTER / PHYSICIAN IF UNWELL*
- *IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE*
- *IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES*
- *IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE*
- *DO NOT EAT, DRINK, OR SMOKE WHEN USING PRODUCT*
- *WASH HANDS AFTER HANDLING*
- *USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS*
- *AVOID BREATHING MIST / SPRAY*
- *IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING*
- *STORE CONTAINER TIGHTLY CLOSED, LOCKED UP*
- *DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS*

**LOG058 LIQUID FERTILIZER 9-18-9 DIAMOND****SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Liquid fertilizer blend	9-18-9 Diamond	Mixture	100.0

**SECTION 4: FIRST AID MEASURES**

IF INHALED:	Move victim to fresh air. Seek medical attention if irritation persists.
IF ON SKIN:	Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
IF IN THE EYES:	Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.
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.
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

**SECTION 5: FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required.
SPECIFIC FIRE HAZARDS:	Decomposition products may be toxic.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

SPILL / RELEASE PROCEDURES:	Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies.
PROTECTIVE EQUIPMENT:	See Section 8

**SECTION 7: HANDLING AND STORAGE**

Store in a cool, dry, well ventilated area.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS:

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Liquid fertilizer blend	50 ppm (ammonia)	25 ppm (ammonia) 35 ppm (STEL) (ammonia)
	1 mg/m <sup>3</sup> (phosphoric acid) 3 mg/m <sup>3</sup> (STEL)	2 mg/m <sup>3</sup> (CEILING) (KOH) 1 mg/m <sup>3</sup> (phosphoric acid) 3 mg/m <sup>3</sup> (STEL)

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved particulate / mist respirator, if required
EYE PROTECTION:	Safety glasses with sideshields, goggles, or faceshield recommended
SKIN PROTECTION:	Long sleeves, protective gloves recommended
VENTILATION:	Local exhaust ventilation recommended

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR:	Clear liquid with slight ammonia odor
pH:	7.0 – 7.5
MELTING POINT:	Not applicable
BOILING POINT:	Not available
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not available
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not available
SPECIFIC GRAVITY:	1.31 – 1.36
SOLUBILITY (IN WATER):	Soluble
PARTITION COEFFICIENT:	Not available
AUTOIGNITION TEMP:	Not applicable
DECOMPOSITION TEMP:	Not applicable
ODOR THRESHOLD:	Not available
VISCOSITY:	Not available

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY:	Product is stable.
CONDITIONS TO AVOID:	Contact with strong acids
INCOMPATIBILITY:	Aluminum, copper, and their alloys; galvanized metal
HAZARDOUS DECOMPOSITION PRODUCTS:	HCN, NO <sub>x</sub> , PO <sub>x</sub> , CO <sub>x</sub> , NH <sub>3</sub>

**LOG058 LIQUID FERTILIZER 9-18-9 DIAMOND**

**SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS: May cause temporary and reversible eye irritation. May also cause irritation of the skin, respiratory tract, mucous membranes, and gastrointestinal tract. Inhalation may result in coughing and difficult breathing. Significant overexposure could potentially result in tearing of the eyes, increased pulse rates, increased blood pressure, skin blisters, vomiting, corneal ulcers, and blindness.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL: 214 mg/kg (potassium hydroxide) -- 14,300 mg/kg (urea)

DERMAL: 2,730 mg/kg (phosphoric acid)

INHALATION: > 850 mg/m<sup>3</sup> (1 hr) (phosphoric acid)

**SECTION 12: ECOLOGICAL INFORMATION**

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

**SECTION 14: TRANSPORT INFORMATION**

This product is not regulated as a transportation hazard.

**SECTION 15: REGULATORY INFORMATION**

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

**SECTION 16: OTHER INFORMATION**

NFPA RATINGS: HEALTH 2  
FLAMMABILITY 0  
INSTABILITY 0

HMIS RATINGS: HEALTH 2  
FLAMMABILITY 0  
PHYSICAL HAZARD 0

MSDS ID NO: LOG058

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.