



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 01/08/16

CURRENT AS OF: 7/22/21

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT CODE: 10001199, 10000772, 10002293, 10000983

PRODUCT NAME: MICROBLITZ 11-8-5 WITH MICROS

PRODUCT USE: Fertilizer with micronutrients

MFR INFO: The Andersons, Inc.  
PO Box 119  
Maumee, OH 43537

FOR EMERGENCY: (800) 757-8951  
FOR INFORMATION: (419) 893-5050

**SECTION 2: HAZARDS IDENTIFICATION**

HAZARD SYMBOLS / STATEMENTS:



**WARNING**

**HARMFUL IF SWALLOWED  
MAY CAUSE EYE IRRITATION  
MAY CAUSE RESPIRATORY IRRITATION**

HAZARD CLASSIFICATIONS:

*ACUTE TOXICITY*

*EYE IRRITATION*

*TARGET ORGAN SYSTEMIC TOXICITY*

CATEGORY

4

2B

3

INTERPRETATION

Low to Moderate

Eye Irritation Possible

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*

NOTE: 10% OF THE MIXTURE CONSISTS OF INGREDIENTS OF UNKNOWN TOXICITY

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL IDENTITY

SYNONYM

CAS NUMBER

CONCENTRATION (%)

Liquid fertilizer blend

11-8-5

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:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known 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)  2 mg/m <sup>3</sup> (CEILING) (KOH)

**LOG213 MICROSOLUTIONS MICROMARK MICROBLITZ**

1 mg/m<sup>3</sup> (phosphoric acid)  
3 mg/m<sup>3</sup> (STEL)

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: Red / brown liquid with slight ammonia odor  
pH: 6.5 – 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: 1.23  
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, reducing agents  
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>, metal oxides

**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: LOG213

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PREPARED BY: SS

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