

# MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200  
Standard must be consulted for specific requirements.

## IDENTITY: 10-1-4 – CASCADE PLUS FERTILIZER™

### SECTION I

MANUFACTURER'S NAME:

Precision Laboratories, Inc.  
P. O. Box 127  
Northbrook, IL 60065

EMERGENCY PHONE NUMBER:

800-323-6280  
800-424-9300 (Chemtrec - 24 hrs.)  
DATE PREPARED: 11/4/02

### SECTION II - INGREDIENTS

INGREDIENT	CAS #	CONTENT	EXPOSURE LIMITS
Bio-solids	Mixture	Varies	10 mg/m3 as dust
Sulfate of Potash	7778-80-5	Varies	10 mg/m3 as dust
Nutralene	9011-05-6	Varies	10 mg/m3 as dust
Polyethylene-Propylene Glycols	N/A	Varies	N/A

HAZARD CLASSIFICATION: None

HMIS RATING: 1-1-0

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 0.8 – 1.2

VAPOR PRESSURE (mm HG): N/A

BULK DENSITY: 50 – 78 lbs / cu. ft.

pH: Neutral

EVAPORATION RATE (vs. H<sub>2</sub>O): About the same

PHYSICAL FORM: Granular

APPEARANCE AND ODOR: Varies and slight, earthy

SOLUBILITY IN WATER: Portions 100%, portions none

### SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: Water, foam, carbon dioxide or dry chemicals.

SPECIAL FIRE FIGHTING PROCEDURES: Protect eyes and skin from contact with smoke. Wear self-contained breathing apparatus when fighting fires. Keep all nonessential personnel upwind from smoke. Contain runoff waters and consult with your local environmental agencies before disposal.

### SECTION V - REACTIVITY DATA

#### STABILITY

UNSTABLE \_\_\_\_\_

STABLE \_\_\_\_\_ x \_\_\_\_\_

#### HAZARDOUS POLYMERIZATION

MAY OCCUR \_\_\_\_\_

WILL NOT OCCUR \_\_\_\_\_ x \_\_\_\_\_

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions, ammonia, hydrogen chlorides, ethyl sulfide, diethyl sulfide and nitrogen oxides.

INSTABILITY CONDITIONS: None known.

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**SECTION VI - HEALTH HAZARD DATA**

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PRIMARY ROUTES OF EXPOSURE: EYES: Yes SKIN: Yes INGESTION: N/A INHALATION: N/A  
SIGNS AND SYMPTOMS OF OVEREXPOSURE (Acute): *None known.*  
SIGNS AND SYMPTOMS OF OVEREXPOSURE (Chronic): *None known.*  
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: *May irritate open sores and wounds. May cause temporary eye irritation.*  
CARCINOGEN OR SUSPECT CARCINOGEN INGREDIENTS: *None known.*

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**SECTION VII - EMERGENCY AND FIRST AID PROCEDURES**

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EYES: *Flush eyes with water for at least 15 minutes and call a physician if irritation persists.* SKIN: *Wash with soap and water. If irritation persists, call a physician.* INGESTION: *Do NOT induce vomiting. Dilute by drinking water. Call a physician immediately.* INHALATION: *Remove to fresh air. Start artificial respiration, if necessary. Call a physician.*

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

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RESPIRATORY PROTECTION: *None required.*  
VENTILATION REQUIREMENTS: *Use outdoors only.*  
EYE PROTECTION: *If granules may come in contact with eyes, wear eye protection.*  
SKIN PROTECTION: *Cover open sores.*  
ADDITIONAL PROTECTIVE MEASURES: *None required.*

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**SECTION IX - SPILL OR LEAK PROCEDURES**

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: *Sweep spill, repackage in labeled container and reuse.* WASTE DISPOSAL METHOD: *Reuse product if possible. May be placed in household waste.*

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**SECTION X - STORAGE AND HANDLING INFORMATION**

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TECHNICAL SHIPPING NAME: *Not regulated.*  
PROPER SHIPPING NAME: *Not regulated.*  
HAZARD CLASS OR DIVISION: *Not regulated.*

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**SECTION XI - REGULATORY INFORMATION**

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NFPA RATINGS:

Health	1				
Flammability	1				
Reactivity	0				
Other	0				

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

OSHA Status: *Components listed.*  
TSCA Status: *This product is exempt from TSCA Regulation.*  
CERCLA Reportable Quantity: *No components listed.*  
RCRA Status: *Not considered a hazardous waste under RCRA.*  
SARA Title III  
Section 302: *No components listed.*  
Section 311/312: *No components listed.*  
Section 313: *No components listed.*

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**WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, PRECISION LABORATORIES, INC. MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.**

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