

**KNOX FERTILIZER COMPANY, INC.**  
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# MATERIAL SAFETY DATA SHEET

**TRIMEC® 211 Granules**  
 Trimec® is a registered trademark of P.B.I. Gordon  
 APPROVAL DATE: 04/08/94  
 SUPERSEDES: 02/94

## I. PRODUCT IDENTIFICATION

**Product Name**..... Trimec® 211 Granules  
**Common Name(s)**..Weed Control Product  
**UN/MA #**.....N/A **DOT Hazard Class**.....N/A  
**Shipping Name**.....Fertilizer Compound (Manufactured Fertilizer) NOI, Dry

## II. INGREDIENTS & RECOMMENDED OCCUPATIONAL EXPOSURE LIMITS

Exposure Limits.....  
 Material-Formula-Cas. No.--% Wt.-Osha-Pel-Acgh-TLV \*SEE Addendum I

## III. PHYSICAL DATA (NI = not indicated)

**Specific Gravity (H20=1)** ... 0.00000  
**Boiling Point**.....NI **Melting Point**.....212 F  
**Vapor Pressure** .....NI **Vapor Density** ..... NI  
**Evaporation Rate** .....NI **Solubility In Water**..... Insoluble  
**Appearance and Odor**.....Granules; slight phenoxy odor

## IV. FIRE AND EXPLOSION HAZARD DATA

**Flash Point**(Method).....NI  
**NFPA Rating**.....Health 1 - Fire 0 - Reactivity 0 - Special Hazard E  
**Flammable Limits(Lel)**...NI **(Uel)**.....NI  
**Extinguishing Media**..... Water, foam, carbon dioxide or dry chemicals

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus and chemical-resistant gear. Keep run-off out of environmental waters.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Forms nitrogen oxides, sulphurous oxides and hydrogen chloride gas upon burning.

\*This information is taken from sources or based upon data believed to be reliable; however, Knox Fertilizer Company, Inc. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.

## V. REACTIVITY DATA

**Stability**..... This is a stable material.  
**Incompatibility** ..... Generally none.  
**Hazardous Products** ..... If burned, nitrogen oxides, sulfur oxides and hydrogen chloride gas may be formed.  
**Hazardous Polymerization** ..... Will not occur.

## VI. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released: In case of release to the environment, report spills to the National Response Center 1-800-424-8802.

**Steps To Be Taken In Case Material is Released or Spilled:** Do not touch spilled material. Wear protective clothing, chemical-resistant gloves and shoes, safety glasses or goggles. If exposure level is high, wear a dust/mist respirator, NIOSH/MSHA approval number TC-21C. Collect spilled material for reuse if possible. If other than original container is used, label new container for this product. Collect unusable material into DOT drum for disposal. Wash area with water if possible.

Waste Disposal Method: (EPA Waste Identification No.; N/A)  
 Dispose of DOT drum, waste water and any other waste according to local, state, and Federal regulations.  
**For Hazardous Waste Regulation call 1-800-424-9346 – the RCRA Hotline**

## VII. HEALTH HAZARD DATA

**INHALATION:** May irritate respiratory tract.

**SKIN CONTACT:** Contact may irritate skin.

**EYE CONTACT:** Contact may cause irritation.

**INGESTION:** May irritate gastrointestinal tract.

## EMERGENCY AND FIRST AID PROCEDURE

**INHALATION:** Remove victim to fresh air. Apply artificial respiration if needed. If irritation persists, seek medical attention.

**SKIN CONTACT:** Bathe and shampoo with soap and water to remove chemicals from skin and hair. If irritation persists, seek medical attention. Launder contaminated clothing separately, prior to reuse.

**EYE CONTACT:** Flush with copious amounts of clean water for 10-15 minutes, holding lids open. If irritation persists, seek medical attention.

**INGESTION:** Call a physician or Poison Control Center.

**OTHER HEALTH WARNINGS:** Notes to physician: Treat symptomatically. Chlorophenoxy compounds are usually excreted in approximately 72 hours.

## VIII. SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Dust/mist respirator, NIOSH/MSHA approval number TC-21C is recommended if product application is dusty.

**EYES:** Goggles are recommended.

**VENTILATION REQUIREMENTS:** Good general ventilation is required if product is not applied outdoors.

**PROTECTIVE CLOTHING:** Long sleeves and pants; chemical-resistant gloves and shoes.

## IX. SPECIAL PRECAUTIONS

**PRECAUTION TO BE TAKEN IN HANDLING AND STORAGE:** Store this product in original container in a locked storage area inaccessible to children and pets. **DO NOT** store near food, seed, or feed; other herbicides, fertilizers or insecticides, to prevent cross-contamination.

**OTHER PRECAUTIONS:** Do not use directly on water. Do not apply when weather conditions favor drift from target area. Do not contaminate water supplies when disposing of equipment wastewater. Do not reuse bag. Empty container may be disposed of in licensed sanitary landfill.

**OTHER COMMENTS:** The information and statements in this Material safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage, or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.

## ADDENDUM I

Product Name ...Trimec® 211 Granules  
 Original Issue..... 04-94  
 Exposure Limits... See below

MSDS .....2217-640-8378  
 Revised 5/21/01

## II. INGREDIENTS AND RECOMMENDED OCCUPATIONAL EXPOSURE LIMITS -

NOTE: Consult the guaranteed analysis statement on the above product container to determine which below materials are found in that product.

MATERIALS	FORMULA	CAS.#	% WT.	OSHA-PEL	ACGIH-TLV
2,4-Dichlorophenoxyacetic Acid	2,4-D	94-75-7	1.367	10mg/m3	10mg/m3
2-(2-Methyl-4-Chlorophenoxy)			0.612		
Propionic Acid	Mecoprop	93-65-2	0.129	NI	NI
3,6-Dichloro-o-Anisic Acid	Dicamba	1918-00-9	97.89	NI	NI
Corncobs			0-99	NE	NE
Peanut Hulls	NA	NE		NE	NE

\*NE – NON ESTABLISHED

The following dust limits apply

CLASS	OSHA-PEL	SCGIH-TLV
Total Dust (In Air)	15 mg/m3	10 mg/m3
Respirable Dust (In Air)	5 mg/m3	5 mg/m3