

MATERIAL SAFETY DATA SHEET (BIO-RELEASE 2-0-2)

SECTION 1)

CHEMICAL NAME: Plant nutrients and natural soil amendment and organic fermentation extracts.

ACTIVE INGREDIENTS: Urea, potassium sulfate, and molybdcic acid. Also contains greater than 30% of organic fermentation extracts, organic and amino base, and proprietary natural ingredients.

PRODUCT NAME: **BIO-RELEASE 2-0-2**

FORMULATED BY: AGSCITECH INC.

ADDRESS: 365 NORTH 600 WEST

LOGAN, UT 84321

Emergency Phone Number 1-435-757-7585

SECTION 2) HAZARDOUS INGREDIENTS: NONE

Hazardous Ingredients: (Specific Chemical Identity; OSHA PEL ACGIH TLV C

common name	C.A.S. / N.A. / UN No.	%	LD ₅₀
UREA	57-13-6	3%	

SECTION 3) PHYSICAL/CHEMICAL DATA

Physical State:

Odor and Appearance:

LIQUID

Dark Brown liquid with slight acid odor

Odor Threshold: **NA**

Specific Gravity: **1.20**

Vapor Pressure: **ND**

Vapor Density: **ND**

Evaporation Rate: **ND**

Boiling Point: **NA**

Freezing Point: **NA**

Density: **ND**

pH: (10% SOLUTION) **5.50+/- 0.5**

SECTION 4) FIRE AND EXPLOSION HAZARD

Flammability: **NON-FLAMMABLE**

Means of Extinction:

USE FLOODING QUANTITIES OF WATER. DO NOT USE WATER JET. WEAR FULL PROTECTIVE CLOTHING IF PRODUCT IS INVOLVED IN A FIRE.

Flashpoint: **NA**

UEL: **NA**

LEL: **NA**

Auto-ignition Temperature:

ND

TDG Flammability Class:

NON-FLAMMABLE

Hazardous Combustion Products:

N/A

SECTION 5) REACTIVITY DATA

Chemical Stability: **STABLE**

Incompatibility: **None known**

Conditions of Reactivity: **N/A**

Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide, carbon monoxide

SECTION 6) HEALTH HAZARD DATA

TOXICOLOGICAL PROPERTIES

Route of Entry:

Effects of Acute or Chronic Exposure:

SKIN CONTACT - IRRITATION COULD OCCUR WITH PROLONGED EXPOSURE TO SOLUTION.

SKIN ABSORPTION - NOT KNOWN TO BE ABSORBED THROUGH THE SKIN.

EYE CONTACT - IRRITATION COULD OCCUR IF SOLUTION IS SPLASHED IN EYES.

INHALATION - VERY LOW VAPOR ACTIVITY. IF HEATED COULD RELEASE AMMONIA GAS. CAN CAUSE RESPIRATORY TRACT IRRITATION.

INGESTION - IF SWALLOWED, DO NOT INDUCE VOMITING, CONSULT A PHYSICIAN IMMEDIATELY.

Exposure Limits:

Molybdenum. **TWA: 5 mg/m3 from ACGIH (TLV) and OSHA (PEL) Inhalation by respiration. TWA: 15 mg/m3 from OSHA (PEL) Inhalation total. Consult local authorities for acceptable exposure limits.**

ND

Sensitization / Irritancy:

ND

Carcinogenicity / Teratogenicity / Mutagenicity / Reproductive Effects:

NONE KNOWN

SECTION 7) PRECAUTION FOR SAFE HANDLING AND USE

Personal Protective Equipment:

RESPIRATORY - RESPIRATORY PROTECTION: NIOSH/MSHA APPROVED FOR MISTS WHILE MIXING OR SPRAYING. USE WITH ADEQUATE VENTILATION.

EYES - WEAR SAFETY GLASSES TO AVOID EYE CONTACT. DO NOT WEAR CONTACT LENSES.

GLOVES - WEAR IMPERMEABLE GLOVES TO AVOID SKIN CONTACT.

Engineering Controls:

VENTILATE.

Leak or Spill Procedure:

CONTAIN THE SPILL. COLLECT LIQUID OR SOLIDIFY WITH ABSORBENT MATERIAL AND DISPOSE OF IN APPROVED MANNER. PREVENT ENTRY INTO WATERWAYS.

Disposal:

DISPOSE OF IN NON CROP AREAS AWAY FROM WATERWAYS, IN ACCORDANCE WITH FEDERAL AND LOCAL REGULATIONS.

Handling Procedures and Equipment:

AVOID DIRECT AND PROLONGED CONTACT WITH SKIN.

Storage Requirements:

KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE.

Shipping Information:

NOT REGULATED.

SECTION 8: FIRST AID MEASURES:

SKIN - WASH WITH SOAP AND WATER. FLUSH AFFECTED AREAS WITH LARGE AMOUNT OF COLD WATER.

EYES - FLUSH IMMEDIATELY WITH LARGE AMOUNT OF WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. SEEK ATTENTION IF IRRITATION PERSISTS.

INHALATION - NOT EXPECTED TO BE HARMFUL UNDER NORMAL CONDITIONS OF USE, HOWEVER IF ALLOWED TO BECOME AIRBORNE MAY CAUSE IRRITATION OF NOSE, THROAT AND LUNGS.

INGESTION - FOR LARGE AMOUNTS SEEK MEDICAL ATTENTION IMMEDIATELY.

SECTION 9: ADDITIONAL INFORMATION:

THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. AGSCITECH INC AND ITS AGENTS MAKE NO REPRESENTATIONS AS TO THE ACCURACY OR COMPLETENESS THERE OF. THE INFORMATION AND RECOMMENDATIONS ARE 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 AGSCITECH INC OR ANY OF ITS AGENTS BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON THE INFORMATION AND RECOMMENDATIONS. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS, OR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HERE UNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

PREPARATION INFORMATION:

Department:

Phone Number:

Date:

TECHNICAL

435-750-0959

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