



MATERIAL SAFETY DATA SHEET

Product Name **AC-PRO**

PRODUCT PATENT No.: Rsa /Int.Patent AppNo: WO2011061596A3

SECTION 1: Product and Company Identification

PRODUCT NAME: AC-PRO

SYNONYMS: n/a

PRODUCT CODES: Rsa /Int.Patent AppNo: WO2011061596A3

MANUFACTURER: Bio Enforcement SA

DIVISION: n/a

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CHEMICAL NAME: Stabilized – AC-PRO

FAMILY: Plant Extract

CHEMICAL Herbal Extract

FORMULA: n/a

PREPARED BY: Makro Organics

SECTION 2: Composition Information and Ingredients

- HAZARDOUS INGREDIENTS None known.
- COMPONENTS All ingredients not precisely identified are proprietary.
- OSHA PEL: none
- ACGIH TLV: n/a
- DAFF Act 36 registration no.: exempt

SECTION 3: HAZARDS IDENTIFICATION EMERGENCY OVERVIEW:

- Appearance: Clear Liquid
- Odour: No identifiable odour

POTENTIAL HEALTH EFFECTS

- EYES: Irritation may occur
- SKIN: Irritation may occur after contact for extended period
- INGESTION: Excessive ingestion may cause nausea or gastrointestinal discomfort
- INHALATION: n / a
- ACUTE AND CHRONIC HEALTH HAZARDS: None known.
- MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Irritant

CARCINOGENICITY

- OSHA: n/a
- IARC: n/a
- ACGIH: n/a
- OTHER: n/a
- NTP: n/a

SECTION 4: FIRST AID MEASURES

- EYES: Flush eyes thoroughly with running water for 10 minutes while keeping the eyelids wide open.
- SKIN: Wash the affected area thoroughly with soap and water. Clean Clothing. Irritation will last for limited time only (5 - 10 minutes).
- INGESTION: Thoroughly rinse mouth with water. Drink plenty of fluids. Slight gastrointestinal discomfort may occur
- INHALATION: n/a

SECTION 5: FIRE-FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA: any
- EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS: none
- SPECIAL EXPOSURE HAZARDS IN A FIRE: none
- SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS none
- OTHER INFORMATION none

SECTION 6: ACCIDENTAL RELEASE MEASURES **PERSONAL PRECAUTIONS:**

- Follow protective measures provided in sections 5 and 8

- Keep away materials and products which are incompatible with product specified in section 10

ENVIRONMENTAL PRECAUTIONS:

- Rinse spilled product to dilute areas of direct contact.
- The product will only benefit the natural environment if spilled.

METHODS FOR CLEAN UP:

- Wear suitable clothing and protective equipment
- Recover or mop up excess material and reuse wherever possible.
- Absorb unusable product with suitable material and dispose of in accordance with Section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

- When handling this material ensure that workers stay away from equipment that is moving and/ or processing exposed material and avoid coming into contact with the product by wearing:
- Suitable gloves - Occupational protective gloves. Standard duty leather/pigskin, rubber or neoprene gloves are typically most appropriate.
- Full length protective trousers and shirts (or overalls).
- Suitable boots for the site.
- Suitable eye protection recommended practices for occupational eye protection.
- Low impact goggles with indirect ventilation.

Additional handling procedures should include:

- Limit exposure to the product.
- Wash any areas of the body that the product may have come into contact after exposure.
- Launder protective work clothes prior to re-use.
- Check the atmosphere regularly against the relevant exposure standards (Section 8).
- Apply the material using a suitable garden or horticultural instrument.

Conditions for Safe Storage

- **When storing this material:**
Store AC-PRO in a cool, dry environment.
- Ensure sufficient demarcation and signage to identify product.
- Bund the storage area.

STORAGE

- Keep in a dry place
- Keep away from direct sunlight
- Keep away from heat
- Keep away from incompatible products specified in section 10
- Keep only in the original container at temperature not exceeding 30 degree Celsius
- If stored under warmer temperatures the life span of the product decreases.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- ENGINEERING CONTROLS: n/a
- VENTILATION: n/a
- RESPIRATORY PROTECTION: none required
- EYE PROTECTION: ANSI approved safety glasses with side protection or goggles.
- SKIN PROTECTION: Wear suitable protective clothing
- HYGIENIC PRACTICES: Handle in accordance with good hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE: Light Caramel Coloured Liquid
- ODOR: No identifiable odour

IMPORTANT HEALTH SAFETY AND ENVIRONMENTAL INFORMATION

- pH: Range 6.5 - 7.5
- FLASH POINT: n/a
- MELTING POINT:
- FLAMMABILITY n/a (SOLID, GAS): non flammable
- EXPLOSIVE PROPERTIES: non-explosive
- VAPOR PRESSURE: not applicable
- VAPOR DENSITY: not applicable
- BULK DENSITY: not applicable
- EVAPORATION RATE: not determined
- SOLUBILITY IN WATER: dispersible
- DECOMPOSITION TEMPERATURE: n/a
- VISCOSITY: Equivalent to water
- SPECIFIC GRAVITY 1.01
- IRRITANT: Slight Irritant after lengthy exposure
- SECTION 10: STABILITY AND REACTIVITY
- STABILITY: Stable under normal conditions of use.
- CONDITIONS TO AVOID: none
- INCOMPATIBILITY
- (MATERIAL TO AVOID): none
- HAZARDOUS DECOMPOSITION
- OR BY-PRODUCTS: none known

- HAZARDOUS POLYMERIZATION: not applicable
- CONDITIONS TO AVOID: heat and contamination of any kind

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA

- ACUTE ORAL TOXICITY: none known
- ACUTE INHALATION TOXICITY: none known
- ACUTE DERMAL IRRITATION: none known
- SKIN IRRITATION: Slight Irritation after lengthy exposure
- EYE IRRITATION: Slight, if direct contact with eyes
- SENSITIZATION: none
- CHRONIC TOXICITY Not applicable
- CARCINOGENIC DESIGNATION: none known
- SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS

- ACUTE TOXICITY: none
- MOBILITY: not applicable
- PERSISTENCE AND DEGRADABILITY: none known
- BIOACCUMULATIVE POTENTIAL: is not known to accumulate

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT:

- Dispose of within current local and national regulations.
- No special method required.

PACKAGING TREATMENT:

- Consult local governmental regulations regarding the proper disposal of emptied containers.
- RCRA HAZARD CLASS: n/a

SECTION 14: TRANSPORT INFORMATION

ROAD TRANSPORTATION

- PROPER SHIPPING NAME: Chemicals not otherwise indexed (NOI)
- HAZARD CLASS: Non Hazardous
- ID NUMBER: Not Regulated
- LABEL STATEMENT: None

WATER TRANSPORTATION

- PROPER SHIPPING NAME: Chemicals Not Otherwise Indexed (NOI)
- HAZARD CLASS: Not Hazardous

- ID NUMBER: Not Regulated
- LABEL STATEMENT: none

AIR TRANSPORTATION

- PROPER SHIPPING NAME: Chemicals Not Otherwise Indexed (NOI)
- HAZARD CLASS: Not Hazardous
- ID NUMBER: Not Regulated
- LABEL STATEMENT: none

SECTION 15: REGULATORY INFORMATION

Preparation does not contain ingredients listed as a dangerous substance in Annex 1 of the EEC directive 67/548.

SECTION 16: OTHER INFORMATION KEEP OUT OF REACH OF CHILDREN

Disclaimer:

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