

## Kojyl 3-Aminopropyl Phosphate

### MSDS (Material Safety Data Sheet)

November 8, 2012

Chemical Name: Kojyl 3-aminopropyl phosphate  
INCI: Kojyl 3-aminopropyl phosphate  
Chemical Family:  
CAS#: Mixture  
HMIS HAZARD RATINGS: Health (0) Fire (0) Reactivity (0)

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#### SECTION 2. PRODUCT IDENTIFICATION

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. PRODUCT NAME : Botanagen SL  
. PRODUCT CLASS : Chemically synthetic product

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#### SECTION 3. COMPOSITON

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. SINGLE OR MIXTURE : Single  
. CHEMICAL NAME : Kojyl 3-aminopropyl phosphate  
. HAZARDOUS COMPONENT(S)/(CAS No.) : No hazardous materials present

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#### SECTION 4. PHYSICAL / CHEMICAL PROPERTIES

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. APPEARANCE(color) : White to Pale yellow  
. APPEARANCE(form) : Powder  
. ODOR : Slightly characteristic odor  
. SPECIFIC GRAVITY : Not applicable  
. VISCOSITY : Not applicable  
. BOILING POINT : Not applicable  
. VAPOR PRESSURE : Not applicable  
. VAPOR DENSITY(AIR=1) : Not applicable  
. MELTING POINT : Not applicable  
. EVAPORATION RATE : Not applicable  
. SOLUBILITY IN WATER : Water soluble

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#### SECTION 5. FIRE AND EXPLOSION HAZARD

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. GENERAL HAZARD : Not applicable  
. FLASHPOINT : Not applicable  
. FLAMMABLE LIMITS : LOWER : Not tested      UPPER : Not tested  
. SPECIAL FIRE FIGHTING PROCEDURE : Not required  
. UNUSAL FIRE AND EXPLOSION HAZARD : Not applicable

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**SECTION 6. HEALTH INFORMATION**

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<b>A. EXPOSURE / HEALTH EFFECT</b>	
. INHALATION :	No adverse effects expected from inhalation
. INGESTION :	No adverse effects expected from ingestion
. SKIN CONTACT :	No adverse effects expected from skin contact
. CHRONIC EXPOSURE :	No adverse effects expected from chronic exposure
<b>B. FIRST AID</b>	
. INHALATION :	Remove to fresh air.
. INGESTION :	Throw up. Drink two glasses of water.
. SKIN EXPOSURE :	Wash well with water.
. EYE EXPOSURE :	Wash well with water.
<b>C. TOXICITY DATA</b>	
. ACUTE ORAL TOXICITY (RAT IN ORAL) :	5g / kg body weight
. SKIN IRRITATION (HUMAN) :	no irritant (tested with 5% solution)
. SKIN IRRITATION (RABBIT) :	no irritant (tested with 5% solution)
. SENSITIZATION (GUINEA PIG MAXIMIZATION TEST) :	no sensitization (tested with 5% solution)

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**SECTION 7. STABILITY AND REACTIVITY**

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. HAZARDOUS POLYMERIZATION WILL NOT OCCUR

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**SECTION 8. SPILL OR LEAK PROCEDURES**

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- . ACTION TO TAKE FOR SPILL/LEAKS : Use absorbent material  
. DISPOSAL METHOD : May incinerate. Disposal must comply with federal, state and local regulation.

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**SECTION 9. TRANSPORT AND STORAGE INFORMATION**

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|-------------------------|-----------------------------------------------|
| . GENERAL :             | Keep in a tightly closed, cool and dark place |
| . STORAGE PRESSURE :    | Atmospheric                                   |
| . LOADING TEMPERATURE : | Ambient                                       |

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**SECTION 10. ADDITIONAL INFORMATION**

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. For Industrial Use Only

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**SECTION 11. OTHER INFORMATION**

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**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.