

## **ZEATIN (PLANT GROWTH REGULATOR)**

### SECTION 1: PRODUCT IDENTIFICATION

Product Name: ZEATIN (PLANT GROWTH REGULATOR)

Product Code: CM 23615

CAS#: 1637-39-4

CI#: Not available

Synonym: no data available

Chemical Name: no data available

Chemical Formula:  $C_{10}H_{13}N_2O$

Chemical Formula: KCl

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Synonyms: no data available

Formula:  $C_4H_6CaO_4$

Molecular Weight: 219.25

### SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 : not a hazards substance or mixture.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

not a hazards substance or mixture.

### SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in. Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact Wash off with soap and plenty of water. Consult a physician.

In case of eye contact Flush eyes with water as a precaution.

If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delay No data available

Indication of any immediate medical attention and special treatment needed no data available

### SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

No data available

Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

### SECTION 6: ACCIDENTAL RELEASE MEASURES



**Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the Contaminated surface and allow evacuating through the sanitary system.

## SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive. Store under inert gas.

Specific end use(s) A part from the uses no other specific uses are stipulated

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure controls**

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

**Personal protective equipment**

Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9: PHYSICAL ANDCHEMICAL PROPERTIES

|                                   |                |
|-----------------------------------|----------------|
| Physicalstate and appearance Form | :Powder        |
| Odour                             | :Not available |
| Taste                             | :Not available |
| Molecular Weight                  | :Not available |
| Colour                            | :Not available |
| pH                                | :7.0-9.0       |
| Boiling Point                     | :Not available |
| Melting Point                     | :Not available |
| CriticalTemperature               | :Not available |
| Specific Density                  | :Not Available |
| Vapor Pressure                    | :Not Available |
| Vapor Density                     | :Not available |
| Volatility                        | :Not Available |
| Odor Threshold                    | :Not Available |
| Water/Oil Dist. Coeff.            | :Not Available |



|                       |                |
|-----------------------|----------------|
| Ionicity (inWater)    | :Not Available |
| Dispersion Properties | :Not Available |
| Solubility            | :Not available |

#### SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity no data available  
Chemical stability Stable under recommended storage conditions.  
Possibility of hazardous reactions no data available  
Conditions to avoid no data available  
Incompatible materials Strong oxidizing agents  
Hazardous decomposition products Other decomposition products - no data available

#### SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects no data available  
Inhalation: no data available  
Dermal: no data available  
Skin corrosion/irritation no data available  
Serious eye damage/eye irritation no data available  
Respiratory or skin sensitization no data available  
Carcinogenicity  
IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
Reproductive toxicity no data available  
Specific target organ toxicity - no data available

#### SECTION 12: ECOLOGICAL INFORMATION

Toxicity no data available  
Persistence and degradability no data available  
Bioaccumulative potential no data available  
Mobility in soil no data available  
Results of PBT and vPvB assessment PBT/vPvB assessment not data available  
Other adverse affects no data available

#### SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### SECTION 14: TRANSPORT INFORMATION

UN number:  
ADR/RID: IMDG: IATA:  
UN proper shipping name  
ADR/RID:  
IMDG:



IATA:

Transport hazard class (es):

ADR/RID:

IMDG:

IATA:

Packaging group:

ADR/RID:

IMDG:

IATA:

Environmental hazards:

ADR/RID:

IMDG Marine pollutant:

IATA:

#### SECTION 15: OTHER REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture  
Not available.

Chemical Safety Assessment: Not available.

#### SECTION 16: OTHER INFORMATION

References: Not available.

Other Special Considerations: Not available.

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