



## **SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

### **1.1. Product identifier**

**Product form:** Mixture

**Product name:** DynaMino

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

Fertilizers

### **1.3. Details of the supplier of the safety data sheet**

PowerAG

2213 Leabrook Road, Lancaster PA 17601

1-800-842-2578 powerag.com

### **1.4. Emergency telephone number**

**Emergency number:** 1-800-424-9300 ChemTrec

## **SECTION 2: HAZARDS IDENTIFICATION**

### **2.1. Classification of the substance or mixture**

#### **HCS compliant:**

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site. This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

### **2.2. Label elements**

#### **HCS compliant:**

No label requirements for this mixture.

### **2.3. Other hazards**

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1. Mixtures**

No substance fulfills the criteria specified in annexe D, table D.1 of the HCS.

## **SECTION 4: FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

### **4.1. Description of first aid measures**

**In the event of swallowing:** Seek medical attention, showing the label.

### **4.2. Most important symptoms and effects, both acute and delayed**

No data available.

### **4.3. Indication of any immediate medical attention and special treatment needed**

No data available.

## **SECTION 5: FIREFIGHTING MEASURES**

Non-flammable.

### **5.1. Extinguishing media**

### **5.2. Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed:

- Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>)

### **5.3. Advice for firefighters**

No data available.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

**For first aid worker:** First aid workers will be equipped with suitable personal protective equipment (See section 8).

### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

### 6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

### 6.4. Reference to other sections

No data available.

## SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1. Precautions for safe handling

Always wash hands after handling.

**Fire prevention:** Prevent access by unauthorised personnel.

**Recommended equipment and procedures:** For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures:** No smoking, eating or drinking in areas where the mixture is used.

### 7.2. Conditions for safe storage, including any incompatibilities

No data available.

**Packaging:** Always keep in packaging made of an identical material to the original.

### 7.3. Specific end use(s)

No data available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No data available.

### 8.2. Exposure controls

**Personal protection measures, such as personal protective equipment:** Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**Eye/face protection:** Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with standard EN166.

**Hand protection:** Wear suitable protective gloves in the event of prolonged or repeated skin contact.

**Body protection:** Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Physical state:** Fluid liquid.

**Color:** Brown.

**Odor threshold:** Not stated.

**Melting point/melting range:** Not specified.

**Freezing point/freezing range:** Not stated.

**Boiling point or initial boiling point and boiling range:** Not specified.

**Flammability (solid, gas):** Not stated.

#### Lower and upper explosion limit

Explosive properties, lower explosivity limit (%): Not stated.

Explosive properties, upper explosivity limit (%): Not stated.

**Flash point interval:** Not relevant.

**Auto-ignition temperature:** Self-ignition temperature—not specific.

**Decomposition temperature:** Decomposition point/decomposition range—not specific.

**pH:** Not relevant.

**pH (aqueous solution):** Not stated.

**Kinematic viscosity:** Viscosity—not stated.

**Solubility:**

Water solubility—soluble.

Fat solubility—not stated.

**Partition coefficient n-octanol/water (log value):** Partition coefficient: n-octanol/water—not stated.

**Vapor pressure:** Vapor pressure (50°C)—not relevant.

**Density and/or relative density:** Density—1.15 g/cm<sup>3</sup>

**Relative vapor density:** Vapor density—not stated.

**9.2. Other information**

No data available.

**9.2.1 Information with regard to physical hazard classes**

No data available.

**9.2.2 Other safety characteristics**

No data available.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form:

- Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>)

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

No data available.

**11.2. Substances**

No toxicological data available for the substances.

**11.3. Mixture**

No toxicological data available for the mixture.

**SECTION 12: ECOLOGICAL INFORMATION**

The product must not be allowed to run into drains or waterways.

**12.1. Toxicity**

**12.1.2. Mixtures**

No aquatic toxicity data available for the substances.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste:** Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :** Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

**SECTION 14: TRANSPORT INFORMATION**

Exempt from transport classification and labeling.

**14.1. UN number**

**14.2. UN proper shipping name**

**14.3. Transport hazard class(es)**

**14.4. Packing group**

**14.5. Environmental hazards**

**14.6. Special precautions for user**

**SECTION 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

The following regulations have been used: OSHA Hazard Communication Standard 29 CFR 1910.1200.

**Container information:** No data available.

**Particular provisions:** No data available.

**Clean Water Act/Toxic Pollutants (CWA 307A):** Unlisted

**Clean Water Act/Hazardous Substances (CWA 311):** Unlisted

**Clean Water Act/Hazardous Substances (CWA 304b):** Unlisted

**Clean Water Act/Priority Pollutants (CWA Priority):** Unlisted

**Clean Air Act/Hazardous Air Pollutants (CAA 112(b) HAP (188)):** Unlisted

**Clean Air Act/Organic Hazardous Air Pollutants National Emission Standards (CAA 112(b) HON (387)):** Unlisted

**Clean Air Act/Protection of Stratospheric Ozone (CAA 602):** Unlisted

**SARA 110:** Unlisted

**SARA 302/304:** Unlisted

**SARA 313:** Unlisted

**California proposition 65/Chemicals known to the state to cause cancer or reproductive toxicity:** Unlisted

**Massachusetts/Right to Know:** Unlisted

**New Jersey/Right to Know:** Unlisted

**Pennsylvania/Hazardous Substance:** Unlisted

**Rhode Island/Hazardous substance list:** Unlisted

**TSCA (Toxic Substances Control Act) - USA**

CAS	Name
7732-18-5	Water
57-13-6	Urea
299-29-6	Iron Digluconate
127-08-2	Potassium Acetate

**15.2. Chemical safety assessment**

No data available.

**SECTION 16: OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Abbreviations:**

**ADR:** European agreement concerning the international carriage of dangerous goods by Road.

**IMDG:** International Maritime Dangerous Goods.

**IATA:** International Air Transport Association.

**ICAO:** International Civil Aviation Organization

**RID:** Regulations concerning the International carriage of Dangerous goods by rail.

**PBT:** Persistent, bioaccumulable and toxic.

**vPvB:** Very persistent, very bioaccumulable.

**HCS:** Hazard Communication standard (OSHA).

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*