

SAFETY DATA SHEET

Product : Seedmix Z400

Revision: 0.2

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1- IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

Identification of the product	Seedmix Z400
Recommended uses:	Mixture
Restrictions on use:	Mixture
Supplier name:	
Address:	
Telephone number:	

2- COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredients	CAS. Number	Active % w/w
Micro crystals of sucrose suspended in glycol/ Glycerine/Organic Solvent	Mixture	Trade Secret
Proprietary Ingredients	Mixture	Trade Secret
Preservative		

3- HAZARD IDENTIFICATION

Emergency overview	This product is a potential irritant to eyes, respiratory system, and skin. This product may also be harmful if ingested. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Eyes	May cause irritation to the eyes and possible corneal damage
Skin	May cause irritation to skin
Ingestion	If ingested may cause toxic reaction and severe gastric distress, will result in corrosion of tissues of the gastrointestinal tract.
Inhalation	May cause irritation to respiratory system
Signs and Symptoms of Overexposure	Eyes: Irritation and a burning sensation. May result in severe corneal injury. Skin: Redness and/or itching of the skin due to corrosion of skin. Ingestion: Nausea, vomiting diarrhea. Causes irritation and corrosion of the gastrointestinal tract. Inhalation: May produce burns of the respiratory tract.
Carcinogenicity	Not listed by OSHA, NTP or IARC
Mutagenicity	No data available

4- FIRST AID MEASURES:

Eyes:	Flush with running water for at least fifteen minutes. Get medical attention at once.
Skin:	Wash thoroughly with water for minimum 15 minutes. If irritation persists get medical aid.
Ingestion:	Wash out mouth with water. Give plenty of water if the victim is conscious and do not induce vomiting. Get immediate medical aid
Inhalation:	Remove from further exposure. Keep warm and at rest. If cough or other symptoms develop, seek medical attention immediately.

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5- FIRE FIGHTING MEASURES

Flash Point (F):	Not available
Flammable Limits:	Not determined
Autoignition Temperature:	Not available
Flame Propagation or Burning rate of Solids:	Not available
General Hazard:	Evacuate personnel downwind of fire to avoid inhalation of irritating and /or harmful fumes and smoke.
Extinguishing Media:	Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.
Hazardous Combustion products:	Not available
Fire fighting procedures:	This product is a nonflammable substance. However, hazardous decomposition and combustion products may be formed in fire situation. Cool exposed containers with water spray to prevent overheating.
Fire Fighting Equipment:	Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (bunker gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use SCBA.
Sensitive to static Discharge:	Not Available
Sensitivity to Impact:	Not available

6- ACCIDENTAL RELEASE MEASURES:

Small Spill:	Clean up the spills immediately wearing the appropriate equipment designated in Section 8, move the leaking container to a containment area. Absorb or cover with dry earth, sand or other non-combustible material and shovel up and dispose of at an appropriate waste disposal facility according the current applicable laws and regulations and product characteristics at time of disposal.
Large Spill:	Clean up the material immediately wearing the appropriate equipment designated in Section 8.
Environmental Precautions	<u>Water spill:</u> Use appropriate containment to avoid runoff or release to sewer or waterways. <u>Land spill:</u> Use appropriate containment to avoid runoff or release to ground. <u>General Procedures:</u> remove containers of strong Acids form the release area.
Release Notes:	If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities.

7- HANDLING & STORAGE:

Handling:	Use appropriate personal protective equipment as specified in Section 8. Handle in a well-ventilated area. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.
Storage:	Keep the container tightly closed and in cool, well-ventilated place. Do not handle or store near an open flame, heat or other sources of ignition.

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8- EXPOSURE CONTROLS/PERSONAL PROTECTION:

Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment	<p>Eyes and Face: Wear safety glasses with side shields or goggles when handling this material.</p> <p>Skin: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.</p> <p>Respiratory: Generally not required. If necessary use Self Contained Breathing apparatus (SCBA).</p>
Work Hygienic Practices:	Facilities storing or using this material should be equipped with eyewash facility and a safety shower. Good personal hygiene practices should always be followed.
Comments:	It contains no known hazardous ingredients.

9- PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Liquid suspension
Odour:	Alcoholic
Appearance:	Hazy Liquid
Colour:	milky white
pH	4.5 – 7.5
Vapour Pressure:	Not available
Vapour Density:	Not available
Boiling Point:	100 °C
Freezing Point	-5 °C
Melting Point	Not available
Solubility in water	Dispersible in water
Evaporation Rate:	Not available
Density:	Not available
Molecular Formula	Not available
Decomposition temperature:	Not available
Flash point:	Not available

10- STABILITY & REACTIVITY

Stability:	The product is stable under normal ambient conditions of temperature and pressure.
Hazard Polymerization:	Will not occur
Hazardous Decomposition Products	Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides
Incompatibility (Material to Avoid):	Strong Acids, and heavy metal salts

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11- TOXICOLOGICAL INFORMATION

Effects of Short-Term Exposure:	No data Available
Effects of Long-Term Exposure:	The chemical, physical and toxicological properties are not known to have been thoroughly investigated. Target organs: liver, nervous system. May cause chemically induced damage to hearing.
Irritancy of Product	No data Available
Sensitization to Product	May cause allergic respiratory reaction. May cause allergic skin reaction.
LD50 (specify species and route):	No data Available
LC50 (specify species):	No data Available
Target Organs	Eyes Skin Gastrointestinal tract
Carcinogenicity:	No data Available
Mutagenicity:	No data Available
Reproductive Toxicity:	Contains a substance that is a possible reproductive hazard based on high dose tests with laboratory animals.
Teratogenicity and Embryotoxicity:	No data Available

12- ECOLOGICAL INFORMATION

Ecological Information:	Very toxic to aquatic organisms. This material is readily biodegradable.
Eco toxicological Information:	No data Available
Distribution	No data Available
Chemical Fate Information:	No data Available

13- DISPOSAL CONSIDERATION

Disposal Method:	Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.
For Large Spills:	Contain material and call local authorities for emergence assistance.
Product Disposal:	Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time if disposal.
Chemical Fate Information:	Contaminated container should be cleaned and disposed of in the as the product in accordance with applicable regulations.

14- TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

Land: IN - "INDIA"

Recommendations on the TRANSPORT OF DANGEROUS GOODS. Model Regulations

Sea: IMO - International Maritime Organization

International Maritime Dangerous Goods Code (IMDG Code)

Air: IATA - International Air Transport Association Dangerous Goods Regulation (DGR)

UN number: Not classified as hazardous to transport in different modals.

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Transport in bulk according to MARPOL 73/78, Annex II, and the IBC Code:

Consult regulations:

- International Maritime Organization. MARPOL: Articles, protocols, annexes, unified interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, consolidated edition. IMO, London, 2006.
- International Maritime Organization. IBC code: International code for the construction and equipment of shipping carrying dangerous chemicals in bulk: With Standards and guidelines relevant to the code. IMO, London, 2007.

15- REGULATORY INFORMATION

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

16- OTHER INFORMATION

Captions and abbreviations:

ACGIH - *American Conference of Governmental Industrial Hygienists*

CAS - *Chemical Abstracts Service*

LD50 - *Lethal Dose 50%*

TLV - *Threshold Limit Value*

TWA - *Time Weighted Average*

Preparation Information: Refer to PIS No. 07500.

This MSDS has been revised in the following section(s): Hazards Identification, Toxicological Information.

Original Issue Date: December 31, 2005.

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

----- **Important information, but not specifically described in the previous sections:**

This SDS was prepared based on current knowledge about the proper product handling and under normal conditions of use, in accordance with the application specified on the packaging. Any other use of the product involving their combination with other materials, and use various forms of those indicated, are the responsibility of the user. Warns that the handling of any chemical substance requires the prior knowledge of its hazards for the user. In the workplace it is for the user company's product promotes training of its collaborators about the possible risks arising from exposure to the chemical..... **END OF MSDS**