

Crystal Clear Biological Clarifier Plus MSDS Information

SECTION I – IDENTIFICATION

Trade Name: **CrystalClear® Biological Clarifier Plus**
Name and/or Family or Description: Bacterial/Enzyme Complex Mixture
(No IUC Name for the mixture is known to exist)
Chemical Formula: N/A
CAS No.: N/A
DOT Proper Shipping Name: Chemicals Not Otherwise Indexed (NOI)
Non-Hazardous
DOT Hazard Class: Not Regulated
DOT Label: None

SECTION II - COMPONENTS (Hazardous & Other)

Hazardous Ingredients: None Known

None of the compounds are considered carcinogens by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration nor are they known to be mutagenic.

Other Ingredients CAS No. Wt% Over 3%?
Proteinase [9080-56-2] @ Yes
Facultative Bacteria [68920-42-3] @ Yes
Enzyme Complex Mixture [68038-56-2] @ Yes
Lipidase 10,000 [9001-62-1] @ No

@-among 4 most predominant compounds

SECTION III - PHYSICAL DATA

State: Dry
Appearance: Tan Powder
Odor: Slight
Boiling Point: N/A
Melting Point: N/A
Vapor Density: Does Not Apply
Solubility In Water: Appreciable
Storage Conditions: Store tightly closed in cool place

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not Flammable
Ignition Temperature: N/A
Flammable Limits: N/A
Special Fire Fighting Procedure: As toxic fumes of ammonia and sulphur oxides may

be released violently at high temperatures, full protective clothing and NIOSH-approved self-contained breathing apparatus should be worn. Use water to keep fire-exposed containers cool. Unusual Fire Explosion Hazards: May explode if mixed with oxidizers, such as potassium, nitrate, or potassium chlorate. Extinguishing Media: Water spray or water flooding

SECTION V - HEALTH HAZARD DATA

Effects Of Overexposure: Possible allergic response or irritation in affected individuals to skin contact, eye contact, or inhalation of dust from product.

Medical Conditions Prone To Aggravation By Overexposure: Individuals with known allergies, particularly to feedstuffs or enzymes, as well as those individuals with chronic respiratory diseases or particular susceptibility thereto and those with asthmatic conditions should avoid contact with dusty conditions.

Primary Routes Of Entry: Ingestion and Inhalation, no appreciable entry known through intact skin although irritation possible, see above.

Carcinogenicity: This material is not considered to be a carcinogen by The National Toxicology Program, The International Agency For Research On Cancer, or The Occupational Safety And Health Administration

EMERGENCY AND FIRST AID PROCEDURES

Rinse mouth and throat with water if ingested. Wash affected area of skin with soap and remove contaminated clothing. In case of inhalation, remove from area of exposure; if allergic symptoms occur in 0-48 hours, seek medical attention. If eye contact occurs rinse thoroughly with water for several minutes, seek medical attention if irritation occurs.

WARNING STATEMENTS

CAUTION! KEEP OUT OF REACH OF CHILDREN. MAY CAUSE SKIN OR EYE IRRITATION. STORE IN COOL DRY PLACE. AVOID CONTACT WITH SKIN AND CLOTHING AND EXCESSIVE INHALATION. WASH HANDS, CLOTHING AND EQUIPMENT AFTER USE.

SECTION VI REACTIVITY DATA

Stability: Stable

Polymerization: Will not occur

Conditions To Avoid: Excessive heat and contamination of any kind

Materials To Avoid: Oxidizing agents attack the organic components of these products. As with other organic carbonaceous compounds, these reactions result in heat which is contained in a confined space can cause fires. Hypochlorites, chlorinated isocyanurates, and perborates are examples of oxidizing agents.

Hazardous Decomposition Products: No uniquely hazardous decomposition products are

expected. If the organic portion of product is burned, as with any nitrogen containing organic material, oxides of nitrogen, carbon dioxide, and water can be produced. Partial combustion may produce, in addition to the above, soot and various oxides of carbon.

SECTION VII - SPILL, LEAK, AND DISPOSAL INFORMATION

Waste Disposal: Dispose of in a sanitary chemical landfill which complies with all local, state, and federal regulations.

Spill Or Leakage Procedures: Wear suitable clothing and protective equipment. Sweep up bulk material without releasing dust and reuse wherever possible; where contaminated or unusable, dispose of by landfilling.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

Permissible Concentrations: Not established

Respiratory Protection: Wear suitable NIOSH-approved dust masks or respiratory protector where local ventilation exhaust is not available or dusty situations are likely to result.

Ventilation: Provide ventilation to keep exposure below Nuisance Dust Limits. Local exhaust ventilation preferred.

Other Protective Equipment: Eye wash facility

Storage and Handling: Maintain good housekeeping, avoid creating aerosol. Keep out of direct sunlight and in cool dry place as deterioration of product and loss of activity may occur under above conditions.

Eye Protection: ANSI approved safety glasses with side protection. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury.

Skin Protection: Long sleeved shirt, trousers, safety shoes, and gloves.

Hygienic Practices: Wash hands after handling, as well as any other affected skin areas. Avoid contact with food or food preparatory surfaces. If this occurs wash the area thoroughly with suitable detergent and water.

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken For Handling And Storing: Maintain good housekeeping, avoid creating aerosols. For maintenance of product quality, store in dry cool (under 110°F) warehouse conditions.

KEEP OUT OF REACH OF CHILDREN

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