

Crystal Clear RapiClear MSDS Information

SECTION I – IDENTIFICATION

Trade Name: CrystalClear® RapiClear
Name and/or Family or Description: Poly N-Acetylglucosamine
Chemical Formula: Poly N-Acetylglucosamine, Acetic Acid, & Balance Water
CAS No.: PROPRIETARY
DOT Proper Shipping Name: CrystalClear® RapiClear
Technical Shipping Name: Chitosan Acetate
DOT Hazard Class: Not Regulated
DOT Label: None Required
DOT Placard: None Required

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.

Toxicology: Acute Oral, LD50 (Mice) >16g/kg

SECTION III - PHYSICAL DATA

State: Liquid
Appearance: Clear & Colorless
Odor: No Odor
Boiling Point: 212F/100C
Melting Point: 32F/0C
Specific Gravity: 1.34
pH: 3.9 – 4.1
Vapor Density: That of most air
Solubility In Water: Approx. 100
Storage Conditions: Store Tightly Closed In Cool Dry Place

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
Ignition Temperature: N/A
Flammable Limits: Non-Flammable
Special Fire Fighting Procedure: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.
Fire Fighting Media: Cool containers with water fog.

SECTION V - HEALTH HAZARD DATA

Effects Of Overexposure/Emergency & First Aid Procedures:

Eye Contact: Direct contact irritates slightly to moderately with redness and swelling

Contact: ADI EcoFloc is not hazardous but cleansing the area after use is advisable.

Inhalation: Inhaling dust or mist created during use may injure the respiratory system and cause an adverse lung reaction.

Ingestion: Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may cause injury.

Medical Conditions Prone To Aggravation By Exposure: 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:

Eyes: Immediately flush with water for 15 minutes. Get immediate medical attention

Skin: Wipe off and flush with water, and then wash with soap & water

Inhalation: Get medical attention if there is any discomfort.

Oral: Get medical attention if large amount is swallowed or there is any discomfort.

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 – STABILITY AND REACTIVITY DATA

Chemical Family: Natural Polysaccharide

Stability: Stable

Polymerization: Will not occur

Incompatibilities: Oxidizing material can cause a reaction. Caustics will precipitate aluminum hydroxide.

Decomposition: Will not occur

Insatiability Conditions: Stable at normal temperatures and storage conditions

Ecological Information: Material is 100% bio-degradable

Decomposition Temperature: 211oF (Will Boil)

Decomposition Products: H2O and Chitosan Acetate Salt

SECTION VII - SPILL, LEAK, AND DISPOSAL INFORMATION

Waste Disposal: Manufacturer suggests that all local, state, and federal regulations concerning health and pollution be reviewed to determine approved disposal procedures. Contact manufacturer if there are any disposal questions.

Spill Or Leakage Procedure: Wear suitable clothing and protective equipment. Mop up with soap and water; where contaminated or unusable, dispose of by land filling.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

Permissible Concentrations: Not established.

Ventilation: Local exhaust: None is needed.

Eyes: Safety glasses as a minimum, goggles if splashing could occur.

Skin: Washing at meal time and end of shift should be adequate.

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.

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. Remove and wash contaminated clothing.

SECTION IX - SPECIAL PRECAUTIONS

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

REGULATORY STATEMENTS

TSCA: Not listed on the TSCA inventory

OSHA: Not considered Hazardous

EPA: Exempt From EPA

RCRA: Responsibility of to determine at time of disposal whether material should be hazardous waste

KEEP OUT OF REACH OF CHILDREN

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