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HEALTH

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FLAMMABILITY

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REACTIVITY

0

PERSONAL PROTECTION

B

MATERIAL SAFETY DATA SHEET

ROCKSOFT™ NCE EA

PRODUCT # 139

U.S. Patent #5,811,381

I. IDENTIFICATION

Product Name: ROCKSOFT™ NCE EA
Chemical Family: Cellulase
Chemical Family Name: Carbohydrase enzyme
Formula: Proprietary
Hazard Classification: None
Shipping Name: Non hazardous material
CAS#: 9012-54-8
CAS NAME: Cellulase

II. PHYSICAL DATA

Physical State: Solid
Appearance & odor: Amber powder, slight fermentation odor
Density: DNA
Boiling Point: DNA
Pour Point: Not recorded
Water Solubility: Completely miscible
Vapor Pressure: DNA
Vapor Density: DNA
Evaporation Rate: DNA
Water = 1
PH (1% solution): 6.5 ± 0.5
TLV(ppm): DNA

III. HAZARDOUS INGREDIENTS

Material: Proprietary information
Hazard: None as defined by 29CFR1910.1000
or 1910.1200 or 40CFR part 372.

IV. FIRE AND EXPLOSION HAZARD DATA

Material is noncombustible and nonflammable.
Extinguish with carbon dioxide, foam, water, and/or ABC dry powder. No special precautions are required.

V. HEALTH HAZARD

ACUTE EFFECTS OF OVEREXPOSURE:

Swallowing:	Ingestion of this material is not known to result in significant adverse health effects.
Skin Absorption:	DNA
Inhalation:	Mist or spray may cause allergic reactions in susceptible individuals. Avoid breathing fumes.
Skin Contact:	This material is not known to be a skin irritant, but it is recommended that prolonged contact with skin be avoided.
Eye Contact:	May cause irritation.
Chronic Effects of Overexposure:	Repeated inhalation can result in sensitization and allergic response in hypersensitive individuals.
Other Health Hazards:	In the case where overexposure may exist, the use of MIOSH-MSHA dust and mist respirator may be advised.

VI. EMERGENCY AND FIRST AID PROCEDURES:

Swallowing:	Give large quantities of water. If unconscious or in convulsion take immediately to hospital or physician.
Inhalation:	Remove from contaminated area to fresh air. Seek medical attention if allergic response exhibited.
Skin Contact:	Wash skin with soap and water. Remove contaminated clothes and wash.
Eye Contact:	Flush eyes with low pressure water for at least 15 min. Do not attempt to neutralize chemically. Seek medical attention immediately if irritation persists.
First Aid:	In case of contact with skin, wash with plenty of water. If symptoms occur, see a doctor. In case of contact with eyes, rinse with plenty of water for at least 15 minutes and see an eye specialist. In case of inhalation, drink water. If symptoms occur, see a doctor.

VII. REACTIVITY DATA

Stability:	Stable
Incompatibility (materials to avoid):	None
Hazardous Combustion or Decomposition Products:	None
Hazardous Polymerization:	Does not occur
Conditions to Avoid:	None known

VIII. SPILL OR LEAK PROCEDURES AFTER SPILLAGE:

SPILLED MATERIAL SHOULD BE REMOVED IMMEDIATELY TO AVOID THE FORMATION OF AEROSOLS.

Removal by mechanical means (i.e. vacuuming with HEPA filters) is preferred. Solid may be placed into approved containers for disposal. Dilute remainder with plenty of water avoiding the formation of aerosols and flush to an approved drain. Provide sufficient ventilation and wash or dispose of contaminated clothing.

Contaminated material is to be disposed of in accordance with State, local and Federal Regulations. Compliance includes, but is not restricted to, the Clean Water Act, the Clean Air Act and the Resource Conservation and Recovery Act.

IX. SPECIAL PROTECTION INFORMATION

Ventilation: Efficient exhaust ventilation should always be provided to draw fumes and vapors away from workers to prevent routine inhalation. Ventilation should be adequate to maintain the ambient workplace atmosphere below the TLV of any items identified under the hazardous component section.

Respiratory Protection: Normal. Wear a NIOSH/MSHA approved respirator whenever exposure to fumes or vapors exceeds the TLV of any items identified under hazardous component section.

Protective Gloves: Impervious gloves, such as Neoprene or polyvinyl alcohol, should be worn when handling chemicals.

Eye Protection: Goggles/Safety Glasses/Mono-goggles

Other Protective Equipment: Long sleeve shirt/Rubber apron/Safety shoes

X. SPECIAL PRECAUTIONS IN HANDLING AND STORING

Keep from freezing. Protect against physical damage. Store in a cool, dry area in closed containers. Segregate from acids, peroxides and all combustible organic or easily oxidized materials. Keep away from heat and flame. Avoid accidental discharge into sewers and natural waters. Empty container retains vapor and product residue. Observe all labeled safeguards until cleaned, reconditioned, or destroyed.

FOR INDUSTRIAL USE ONLY

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