



SAFETY DATA SHEET

September, 2013

SECTION 1:

Identification of product and supplier

Product Name: COLDSTOP ®

Manufacturer: Nutriprove S.A.

Office: Condominio Jardín Esmeralda casa 39, Talca

Factory: Avenida Linares 0410, La granja, Santiago

Importer and Distributor:

Emergency Numbers: RITA - CHILE: (56 2) 661 9414/777 1994

SECTION 2:

Product

Product Type: Natural Screen

Active Ingredients: Mixed of organic acids and glicine betaina

Chemical Name: Organic acids and glicine betaina

Formulation: Powder

Concentration: 78% (w / w)

Chemical Formula: HOOC (CH₂)_nCOOH and (H₃C)₃N-CH₂-CO₂

CAS No.: Not applicable

No. NU: Unavailable

Molecular Weight: 160,142



NUTRIPROVE
Nutrición y protección vegetal

SECTION 3: Hazards Identification

a) Health hazards in people

Marking on label: not required

Classification of chemical risk: appropriate use no risk

Effects of acute overexposure (for some time): Information not available

Inhalation: Respiratory tract irritant.

Skin contact: Irritant, avoid contact

Eye contact: Causes severe eye irritation, category 2 H319

Ingestion: No effects organo-toxic

Effects of chronic exposure (long term): No Information

Medical conditions that will be aggravated by exposure to product: None in particular.

b) environmental hazards

No effects expected ecology

c) Product Special Hazards

None if used properly.

SECTION 4: First Aid Measures

Inhalation: Fresh air, if it persists gets medical help.

Skin contact: Immediately wash with water. If irritation persists get medical attention and remove contaminated clothing

Contact with eyes: Flush with water at least 15 minutes. If irritation persists, consult an ophthalmologist.

Ingestion: take two (2) cups of water, if not conscious don't drink

Antidote: not necessary

SECTION 5: Measures for fire fighting

Extinguishing Measures: CO2, foam, powder, water.

Special Firefighting Procedures: Evacuate personnel to a safe place hazardous vapors



Personal protective equipment for firefighting: Use protective equipment with self-contained breathing apparatus or vapor.

SECTION 6: Measures to control spills or leaks

a) Measures to be taken if material spill

Remove the spill with absorbent material (sawdust, peat): Remove the absorbent material used to closable containers.

Personal protective measures to tackle the emergency: Use personal protective equipment (gloves, boots, face shield and protective apron). In closed, use respirator NIOSH approved self, vapor or using full face mask with filter ABEK-P3.

b) Precautions to avoid damage to the environment

Prevent product passes pipeline systems or surface waters.

c) Cleaning methods

To clean the floor and all objects contaminated by this material: use damp cloths. Also remove the cleaning material closable receptacles.

d) Waste Disposal Method

Dispose of in special landfills, according to local legislation.

Section 7: Handling and Storage

a) Technical recommendations

When using this product, refer to this Safety Data Sheet and always read the label.



b) Precautions

Avoid contact with food, seeds and fertilizers. Do not contaminate waterways by cleaning of equipment. Do not smoke, eat or drink while handling the product.

c) Recommendations for safe handling

Use protective elements identified, mask, gloves, long-sleeved overalls, boots and goggles.

d) Storage Conditions

Store in original container in a cool, dry, 15-25 degrees Celsius, ventilated and not exposed to extreme temperatures, and take away from children, inexperienced people, food and fodder.

e) Packaging, and unsuitable Recommended

Keep in original container, tightly closed and labeled.

Section 8: Exposure Control

a) Special protection

Use protective elements identified

b) Special protection

Control parameters: None in particular

Permissible limits weighted: Unknown

Respiratory protection: Respirator approved for dust.

Eye protection: Safety glasses

Other Protective Equipment: Wear gloves, boots, protective to prevent contact with skin. In closed rooms wear full face mask with filter ABEK-P3.

Ventilation: The storage and work must be ventilated to prevent accumulation of product that causes harm to people.



Section 9: Physical and Chemical Properties

Form: Powder

Appearance and Odor: White color. Odorless

pH: 3.5

Concentration: 780 g / kg.

Decomposition temperature: 360 degrees Celsius Mayor.

Flash Point: 215 degrees Celsius

Auto-ignition temperature: Not applicable.

Explosive properties: No information.

Cause fire or explosion: No information.

Melting point: 107 ° C

Vapor Pressure: Not applicable for being solid

Vapor Density: Not available

Solubility in water at 20 °: Soluble slowly, 2.5 g/l at 20 Celsius degrees.

Section 10: Stability and reactivity

Stability: 5 years under normal storage conditions.

Reactivity: Not applicable.

Conditions to avoid: Excessive heat mixes with strong oxidizers, bases and reducing agents.

Hazardous Decomposition Products: No information.

Hazardous Combustion Products: No Information

Hazardous Polymerization: Will not occur.

