

SAFETY DATA SHEET**NUFRESH®**

SECTION 1: Identification of Product and Supplier	
Product name:	NUFRESH®
Manufacturer:	Nutriprove S.A. Office: Av. Linares 0411; La granja, Santiago
Importer and Distributor:	
Emergency Phone :	RITA - CHILE: (56 2) 661 9414 / 777 1994
SECTION2: Composition / Ingredients	
Product Type :	Sunscreen - mineral
Ingrediente Activo:	97.4 % hydrous kaolin and 2,6% of inerts
Chemical Name:	Hydrated Aluminium Silicate mineral
Formulation:	Powder insoluble
Concentración:	97,4% (p/p)
Fórmula Química:	Al ₂ Si ₂ O ₅ (OH) ₄
Nº. CAS:	1332-58-7
Nº. NU:	not available
Molecular Weight:	270.41
SECTION 3: Hazards Identification	
Brand label not required	
Classification of chemical risk :	When the use is appropriate, not have risk
a) Health hazards in people	
- Effects on an acute exposure (some time):	Information not available
- Inhalation :	Irritating to the respiratory tract.
- Skin contact :	Irritant to skin
- Eye contact : - Ingestion:	May cause irritation and inflammation.
- Ingestion:	Causes irritation of the intestinal tract, symptoms may include nausea, vomiting and diarrhea. Can cause muscle atrophy and motor problems, electrolyte imbalance also. May cause systemic toxicity, effects on the heart and other organs.
- Effects of a on chronic (long term):	Prolonged exposure can cause lung damage. No carcinogenic, mutagenic or teratogenic and has no known effects.
- Medical conditions that will be aggravated by exposure to product:	None in particular.
b) environmental hazards :	No effects on ecology are expected; may generate turbidity in the water when it is discharged into them.
c) Special Hazards of Product:	None if used properly.
SECTION 4: First Aid Measures	
- Inhalation :	Immediately flush with plenty of water at least 15 minutes. If irritation persists get medical attention.
- Skin contact :	Immediately flush with plenty of water at least 15 minutes. If irritation persists get medical attention.
- Contact with eyes:	Flush with water at least 15 minutes. If irritation persists, consult an ophthalmologist.
- Ingestion :	Call to Rita-Chile: (2)/6619414

- Antidote :	Bring to a hospital immediately if possible in the packaging or label. If the patient is conscious and alert, give 2-4 glasses of milk or water. Never give anything by mouth to an unconscious person. Get medical help immediately to apply gastric wash with activated charcoal. There is no specific antidote. Symptomatic and supportive treatment only.
SECTION 5: Measures for fire fighting	
Extinguishing Media:	Use water spray
Special Firefighting Procedures:	Evacuate personnel to a safe place. Avoid the water flow from extinction. In case of spills, wipe up with sawdust or earth.
Personal protective equipment for fire fight:	Wear protective equipment with self-contained breathing apparatus or in effect, use respirator approved by NIOSH.
SECTION 6: Measures to control spills or leaks	
Steps to be taken if material spill	Remove spills with absorbent material (sawdust, peat) . Remove the absorbent material used to sealable containers.
Personal protective measures to tackle the emergency:	Use personal protective equipment (gloves, boots, face shield and protective apron) . In closed rooms, wear full face mask with filter ABEK -P3.
precautions to avoid damage to the environment:	Prevent product through pipeline systems or shallow groundwater.
Cleaning methods:	To clean the floor and all objects contaminated by this product, use a damp cloth objects. Also remove material cleaning closable receptacles.
Waste Disposal Method :	Dispose of in special landfills, according to local regulations.
SECTION 7: Handling and storage	
Technical recommendations:	When using this product, refer to the Safety Data Sheet and always read the label.
Precautions:	Avoid contact with food, seed and fertilizer. Do not contaminate waterways by cleaning of equipment. Do not smoke, eat or drink while handling the product.
Recommendations for safe handling :	Use items marked protective mask, gloves, long sleeves and boots
Storage Conditions:	Store in original container in a cool, dry, ventilated and not exposed to extreme temperatures and exclusive to pesticides. Away from children, untrained people, food and fodder.
Packaging, and unsuitable Recommended :	Keep only in original, tightly closed and labeled container .
SECTION 8: Exposure Control / special protection	
Measures to reduce exposure:	Use items marked protection
Control parameters:	None in particular
Permissible limits :	OSHA Permissible exposure limit (PEL) 15mg/m3 (TWA) total particulate 5mg/m3 (TWA) respirable fraction. ACGIH Threshold Limit Value (TLV) 2mg/m3 (TWA) for respirable dust , A4 not classified as a carcinogen. Determined NIOSH Exposure Limit (REL) 10mg/m3 (TWA) total particulate . 5mg/m3 (TWA) respirable fraction.
- Respiratory protection:	NIOSH approved dust respirator
- Eye Protection :	Safety glasses
- Other Protective Equipment :	Wear gloves, boots, protective apron to prevent contact with skin. In closed environment using full face mask with filter ABEK -P3.
-Ventilation:	The storage, must be are in ventilated area to prevent accumulation of product.

SECTION 9: Physical and Chemical Properties	
Physical State :	Powder
Appearance and Odor:	White. Odorless
pH:	5-7
Concentration:	974 g/kg.
Decomposition Temperature:	Data not available.
Flash Point :	N.D.
Auto-ignition temperature :	Not applicable Information .
Explosive properties :	Not explosive .
fire or explosion:	No danger of explosion.
Melting point :	1.770°C
Vapor Pressure :	Not applicable for being solid
Vapor Density:	Not available
Solubility in water at 20° C:	Insoluble
SECTION 10: Stability and reactivity	
Stability :	5 years under normal storage conditions.
Reactivity:	No material reacts with original packaging.
Conditions to avoid:	Excessive heat and humidity
Hazardous combustion products :	Not applicable
Hazardous Polymerization :	Will not occur.
SECTION 11: Toxicological Information	
Acute toxicity:	dust TLV-TWA 15mg/m3 total dust by 8m hours
Chronic or long-term toxicity:	Not determined
Local Effects :	Dermatitis or irritation
Allergen Sensitization:	No
SECTION 12: Ecological Information	
Instability:	Highly stable
Persistence / Degradability :	Not applicable
Bio-accumulation :	Data not available.
Effects on the environment :	None, at normal doses work, and considering good.
SECTION 13: Disposal Considerations	
Method of removing waste product :	Proceed according to the local legislation regarding disposal. Incineration in controlled and authorized by the competent authority for this purpose or establishments.
Container disposal / contaminated packaging :	Dispose of according to local regulations.
SECTION 14: Transport Information	
NCh 2190, applicable :	Not applicable
Nº NU:	not rated
SECTION 15: Standards effective	
Applicable International :	Those who ascribes the National Institute of Standards INN.
Applicable national standards :	Not applicable
Tags on the label :	Not required
SECTION 16: Other Information	
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