



BIONAT IND. E COM. DE COSMÉTICOS EIRELI - ME  
MATERIAL SAFETY DATA SHEET - MSDS

MSDS NUMBER  
BIO - 067  
LAST REVISION  
July 6, 2016

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: ALIZZE ORTHOMOLECULAR NANO SYSTEM - DEFRIZZER SOLUTION [WHMIS Classification]:  
 Product Use: PROFESSIONAL USE ONLY FOR HAIR STRAIGHTENING  
 Manufacturer's Name: Bionat Industria e Comercio de Cosmeticos Eireli - ME Supplier's Name: Bionat USA, LLC  
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 Date MSDS Prepared: 3-Jun-2016 MSDS Prepared By: Andre Luis Ferraso Damasceno Emergency Phone: 1 800-414-1016

**SECTION 2 — HAZARDS IDENTIFICATION**

Route of Entry:  Skin Contact  Skin Absortion  Eye Contact  Inhalation  Ingestion  
 Emergency Overview: NFPA RATING: Health: 0, Flammability:0, Reactivity:0, Other Information: N/A.  
 [WHMIS Symbols]:  
 Potential Health Effects: This product is classified as: Non flammable, non-hazardous according to criteria of ASCC, ADG and Euroepan Comission "Cosmetics Directive" 76/768/ECC and Cosmetic Ingredients Review  
**This product is Non-Hazardous and Non-Dangerous.**

**SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients ( <i>specific</i> )	%	CAS Number	Exposure Limit in the Air (ppm)		
			ACGHI	NOHSC	OSHA
Water (Aqua)	40-60%	7732-18-5	NA	NA	NA
Glyoxylic Acid	20-40%	298-12-4	NA	NA	NA
Petrolatum	1-5%	8009-03-08	NA	NA	NA
Paraffinum Liquidum	1-5%	8012-95-1	NA	NA	NA
Propylene Glycol	1-5%	57-55-6	NA	NA	NA
Cetrimonium Chloride	1-5%	112-02-7	NA	NA	NA
Cetearyl Alcohol	1-5%	67762-27-0	NA	NA	NA
Isopropyl Palmitate	1-5%	142-91-6	NA	NA	NA
Cyclomethicone	1-5%	541-02-6	NA	NA	NA
Dimethicone	1-5%	63148-62-9	NA	NA	NA
Dimethiconol	1-5%	31692-79-2	NA	NA	NA
Dimethicone Crosspolymer	1-5%	NA	NA	NA	NA
Vegetable keratin (Quad Force Complex)	0.5-1%	70084-87-6	NA	NA	NA
Fragrance (Parfum)	0.5-1%	NA	NA	NA	NA
Polyquaternium-37	0.5-1%	26161-33-1	NA	NA	NA
Propylene Glycol Dicaprate Dicaprylate	0.1-0.5%	68583-51-7	NA	NA	NA
PPG-1Trideceth 6	0.1-0.5%	68551-13-3	NA	NA	NA

**SECTION 4 — FIRST AID MEASURES**

Skin Contact: Discontinue use of product. Apply cold compresses to affected areas to relieve any discomfort. If discomfort persists, you should contact a doctor  
 Eye Contact: Immediately flush with clean, lukewarm water (low pressure) occasionally lifting eyelids. Seek medical attention if irritation continues.  
 Inhalation: If respiratory irritation occurs, remove individual to fresh air  
 Ingestion: Accidental ingestion of product may require medical attention. In case of accidental ingestion, dilute with fluids (milk or water). Do not provoke vomiting.

**SECTION 5 — FIRE FIGHTING MEASURES**

Flammable:  YES  NO If yes, under which conditions?  
 Means of Extinction: Carbon dioxide, dry chemical, foam, or water spray extinguisher.  
 Fire Fighting Procedures: Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved.  
 Flashpoint (° C) and Method: NA Upper Flammable Limit (% by volume): NA Lower Flammable Limit (% by volume): NA  
 Auto-ignition Temperature (°C): NA Explosion Data — Sensitivity to Impact: NA Explosion Data — Sensitivity to Static Discharge: NA  
 LEL: NA UEL: NA Combustibility: NA  
 Procedures: Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved.  
 Unusual Fire Fighting Procedures: None  
 Hazardous Combustion Products: NA  
 [NFPA]:

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

Leak and Spill Procedures  
 Environmental Precautions: N/A  
 Methods for cleaning up: Soak up with absorbent materials and wash with water; place in no leaking containers for appropriate disposal.

**SECTION 7 — HANDLING AND STORAGE**

Handling Procedures and Equipment  
 Respiratory Protection: In case of not enough ventilation, its recommended respiratory equipment.  
 Ventilation: atmospherically  
 Local Exhaust: Recommended  
 Special: None  
 Mechanical: None  
 Hygiene measures: do not eat, drink or smoke while utilization. Wash hands after use.  
 Other: None  
 Skin Protection: Resistant Plastic or rubber gloves.  
 Eye Protection: Safety glasses or goggles.

**Storage Requirements**

Store upright at room temperature. In order to maintain product quality do not store near heat source or in direct sunlight.  
 Other Precautions: Avoid bacterial contamination. Keep containers tightly closed when not in use.  
 Waste Disposal Method: Do not contaminate food or feed by storage or disposal.  
 Do not reuse empty container. Wrap empty container and throw in trash collection.  
 Dispose of according to federal, state, and local regulations regarding health, air, and water pollution.

**SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION**

Exposure Limits  OSHA PEL  ACGIH TLV  Other (specify)

Specific Engineering Controls (such as ventilation, enclosed process)

**Personal Protective Equipment**

Gloves  Respirator  Clothing  Eye  Footwear  Other

If checked, please specify type  
 Gloves: Resistant Plastic or rubber gloves.  
 Clothing: Wear clothes and shoes  
 Eyes: Safety glasses or goggles.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Physical State/Appearance	Odour	Color:
Viscous Cream	Characteristic from fragrance	White
Specific Gravity	Density:	Air pressure (@ 20 ° C mm Hg):
0.94 to 0.98 @ 25 °C	0,96 a 1,06 g/cm <sup>3</sup>	NA
Evaporation Rate (Butyl Acetate=1):	Boiling Point (° C)	Freezing Point (° C)
NA	NA	NA
Viscosity (CPS) Spindle # 2 @60rpm:	Solids (%):	Melting Point:
10.000 a 25.000 cPs	NA	NA
pH	Coefficient of Water/Oil Distribution	Solubility in Water/Other:
1.0-2.5		Water and Oil
Vapour Density (air = 1):	Vapour Pressure (mmHg)	Odour Threshold (ppm):
NA	NA	NA

**Content microbial**

Bacteria	100 CFU / g maximum
Yeast and mold	100 CFU / g maximum
Pathogens	Absent

**SECTION 10 — STABILITY AND REACTIVITY**

Chemical Stability:  YES  NO If no, under which conditions?

Incompatibility with Other Substances:  YES  NO If yes, which ones?

Reactivity, and under what conditions?

Hazardous Decomposition Products:

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Effects of Acute Exposure:

Moderate irritation to eyes. Moderate irritation to skin near affected areas.

Effects of Chronic Exposure:

Irritancy of Product:

Oral toxicity: Medium

Skin sensitization:

Dermal irritation: slightly irritating to irritating

Carcinogenicity-IARC:

NA

Reproductive toxicity:

NA

Embrototoxicity:

NA

Name of synergistic products/effects: Aqueous Solution with Very Low Corrosivity

Respiratory sensitization:

Mucosa irritation: not until strongly irritating

Carcinogenicity - ACGIH:

NA

Teratogenicity:

NA

Mutagenicity:

NA



**SECTION 12 — ECOLOGICAL INFORMATION**

[Aquatic Toxicity]:

No ecological hazards have been tested to be associated with this product.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Waste Disposal:

Product: Combustion with incinerator for chemical waste or elimination by landfill. Elimination according to local legislation.

Do not contaminate food or feed by storage or disposal. Do not reuse empty container. Wrap empty container and throw in trash collection.

Dispose of according to federal, state, and local regulations regarding health, air, and water pollution.

**SECTION 14 — TRANSPORT INFORMATION**

Special Shipping Information:

Finished packaged product: Non hazardous

PIN:

IMDG or IMO:

[DOT]:

Finished packaged product transported by vessel: Non hazardous

Finished packaged product transported by ground: Non hazardous

[IATA] or [ICAO]:

Other:

Finished packaged product transported by air: Non hazardous

**SECTION 15 — REGULATORY INFORMATION**

[WHMIS Classification]:

[OSHA]:

[RCRA]:

[TSCA]:

None ingredient

Ingredient 8(d) None

[CERCLA]:

[SARA]:

Ingredient 8(d) None

SARA 302: None ingredient; SARA 313: None ingredient

CAA 112(f):

TQ:

None ingredient

None ingredient

AICS: All of the ingredients in the formulation are compliant with NICNAS regulations. European Commission "Cosmetics Directive" 76/768/EEC and Cosmetic Ingredients Review: All of the ingredients in the formulation are compliant with these regulations.

US Federal: All of the ingredients in the formulation are compliant with the Federal Food, Drug, and Cosmetics Act and this product is safe to be used by professional hair dressers previously trained and certified to make this treatment.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

**SECTION 16 — OTHER INFORMATION**

Expiration Date: **36 months**

The product has multiple applications and is not the purpose of the Material Safety Data Sheet (MSDS ) to quote them. The product has validity of 36 months from the date of manufacture. This product can be renewed as long as its physical and chemical characteristics are within specification. The following views expressed here are those of qualified experts of Bionat .

Bionat USA LLC believes that the information contained in this MSDS is correct as of this date. However, because the material may be used under conditions which Bionat USA LLC has no control of or in ways we cannot anticipate, we give no warranty, expressed or implied, as to accuracy of the information and assume no responsibility for any damage to person, property or business arising from such use. Moreover, it is the responsibility of the purchaser or user of this material to ensure that the product is properly and safely used.