

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

♦ 1.1 - IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

PRODUCT N° : **Andreia Professional Hybrid Gel Fusion Color**
PRODUCT CLASS : **NAIL POLISH**

♦ 1.2 - FINAL USE

Application of nail polish

♦ 1.3 - COMPANY IDENTIFICATION

COMPANY : **Higicol S.A.**
Rua Santos Dias n.º 1121; 4465-255 São Mamede de Infesta
Portugal
☎ +351 229758833
FAX +351 229758835
Mail: info@higicol.com

♦ 1.4 - EMERGENCY TELEPHONE NUMBER

☎ +351 229758833 (09h00-13h00/14h00-18h00)
Outside these slots, contact your national emergency number

SECTION 2: HAZARDS IDENTIFICATION

♦ 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE



GHS02; FLAMMABLE



GHS07; IRRITATING

H225: Highly Flammable liquid and vapour

Vapours form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. This material may produce a floating fire hazard.

♦ 2.2 LABEL ELEMENTS



GHS02 Flammable



GHS07 Irritating

RISK PHRASES :

H225 Highly flammable liquid and vapour

H319 Cause serious eye irritation

H336 May cause drowsiness and dizziness

PRECAUTIONARY STATEMENTS:

P210 Keep away from heat/sparks/open flames/hot surfaces –No smoking

P243 Take precautionary measures against static discharge

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

♦ 2.3 OTHER HAZARDS

The mixture contains no substance conforming to the PBT/vPvB criteria of REACH Regulation.

SECTION 3: COMPOSITION/INFORMATIONS ON INGREDIENTS

♦ 3.1 MIXTURE

- CHEMICAL CHARACTERIZATION
Nitrocellulose with nitrogen content < 12.2 % and at a concentration < 20 % in a blend of solvents.
- HAZARDOUS COMPONENTS

INGREDIENT	HAZARD SYMBOL (CE) No 1272/2008	CONCENTRATION	REGISTRATION NUMBER
BUTYL ACETATE CAS : 123-86-4	FLAM. LIQ. 3 H226 ACUTE TOX. 3 H336	30.0 - 40.0 %	01-2119485493-29-XXXX
ETHYL ACETATE CAS : 141-78-6	FLAM. LIQ. 2 H225 EYE IRRIT. 2 H319 ACUTE TOX. 3 H336	28.0 - 38.0 %	01-2119475103-46-XXXX
NITROCELLULOSE CAS : 9004-70-0	FLAM. SOL. 1 H228	12.0 - 16.0 %	Polymer
ISOPROPYL ALCOHOL CAS : 67-63-0	FLAM LIQ. 2 H225 EYE IRRIT. 2 H319 STOT SE 3 H336	5.0 - 6.0 %	01-2119457558-25-XXXX

- ADDITIONAL INFORMATION
For the wording of the listed risk phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

♦ 4.1 - DESCRIPTION OF FIRST AID MEASURES

- SKIN CONTACT : Remove contaminated clothing and wash before reuse. Remove and destroy contaminated shoes. Flush with plenty of water.
- INHALATION : Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.
- INGESTION : Get medical attention **IMMEDIATELY**.

- **EYE CONTACT :** Immediately wash the eyes with plenty of water for at least 10 min holding the eye open.
Obtain medical attention urgently.

♦ **4.2 - MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

- **EFFECTS OF OVEREXPOSURE**
Cause eye irritation. Harmful if swallowed. May cause nose and throat irritation. Causes skin irritation. May affect the brain or nervous system, causing dizziness, headache or nausea. Harmful if inhaled.
- **OTHER EFFECTS OF OVEREXPOSURE MAY INCLUDE**
Narcosis, conjunctivitis, loss of coordination, vomiting, lacrimation, redness and swelling of eyes, difficulty with speech, reduced visibility, abdominal pain, swelling and redness of skin, fatigue, cough, dermatitis, drowsiness, unconsciousness.
- **PRIMARY ROUTE(S) OF ENTRY**
Inhalation, skin contact, eyes.
- **MEDICAL CONDITIONS THAT CAN BE AGGRAVATED :** NA
- **CHRONIC HEALTH HAZARDS**
- **REPEATED OVEREXPOSURE TO THIS PRODUCT MAY CAUSE**
Lung damage, liver abnormalities, kidney damage, central nervous system damage, blood effects.
In accordance with 29CFR1910.1200, this product contains no ingredients listed by NTP, IARC or OSHA as carcinogenic.
- **NOTICE**
Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents of this package may be harmful or fatal.

♦ **4.3 - IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

No further relevant information available

SECTION 5: FIREFIGHTING MEASURES

♦ **5.1 - EXTINGUISHING MEDIA**

Foam, Carbon Dioxide or Dry Chemical.

♦ **5.2 - SPECIAL FIREFIGHTING PROCEDURES**

Water may be ineffective in fighting fire. If water is used to cool closed containers to prevent pressure build-up, fog nozzles are preferred. Full protective equipment, including self-contained breathing apparatus is needed to protect fire-fighters from exposure to coating's hazardous ingredients and hazardous decomposition products.

♦ **5.3 - FOR FIREFIGHTERS**

During emergency conditions, overexposure to decomposition products may cause a health hazard; symptoms may not be immediately apparent. Obtain medical attention.

SECTION 6: ACCIDENTAL RELEASE MEASURES

♦ **6.1 - PERSONAL PRECAUTIONS**

Avoid contact with the skin and the eyes. Keep away from heat and sources of ignition. Provide adequate ventilation.

♦ **6.2 - ENVIRONMENTAL PRECAUTIONS**

Prevent further leakage or spillage. Do not discharge into the drains/surface waters/groundwater.

♦ **6.3 - METHODS FOR CLEANING UP**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal. Dispose of in accordance with local regulations.

♦ **6.4 - ADDITIONAL INFORMATION**

Consult trained personnel. Consider the information for "Personal Protection" in chapter 8 of this Safety Data Sheet.

SECTION 7: HANDLING AND STORAGE

♦ **7.1 - PRECAUTIONS FOR SAFE HANDLING**

When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product.

Provide sufficient air exchange and/or exhaust in work rooms.

♦ **7.2 - PRECAUTIONS FOR SAFE STORAGE**

Store in well-ventilated area. Keep containers (solvent resistant) closed when not in use. Store away from ignition sources. All equipment should be grounded. Avoid strong oxidizing agents, store in a clean, dry area.

♦ **7.3 - OTHER PRECAUTIONS**

All precautions must be observed. Empty container may retain product residues (vapour or liquid).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

♦ **8.1 - EXPOSURE LIMITS**

COMPOSANT	CAS N°	DESC.	VALEUR	UNITE	COMMENTAIRES
BUTYL ACETATE <Acetic acid, Butyl Ester>	123-86-4	Press de Vap	15.0	mm/Hg	25°C
		Press de Vap	45.0	mm/Hg	50°C
		PEL-TWA	150.0	ppm	
		TLV-STEL	200.0	ppm	15 Minutes
		PEL-STEL	200.0	ppm	15 Minutes
ETHYL ACETATE	141-78-6	Press de Vap	100.00	mm/Hg	27 °C
		Press de Vap	200.00	mm/Hg	42°C
		PEL-TWA	400.0	ppm	
ISOPROPANOL <ISOPROPYL ALCOHOL>	67-63-0	Press de Vap	40.0	mm/Hg	23.8°C
		Press de Vap	100.0	mm/Hg	39.5°C
		PEL-TWA	400.0	ppm	
		TLV-STEL	500.0	ppm	15 Minutes
		PEL-STEL	500.0	ppm	15 Minutes

♦ **8.2 - PERSONAL PROTECTION**

• RESPIRATORY PROTECTION

Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and handling unless air monitoring demonstrates vapour /mist levels below applicable limits. Follow respirator manufacturer's recommendations for selection and use.

• VENTILATION

Sufficient ventilation must be provided to maintain airborne concentrations below TLV, PEL and LEL Limits as listed in Section 8.

• PROTECTIVE GLOVES

Chemical resistant protective gloves (such as Neoprene or Butyle rubber) should be worn when handling this product. Check with glove manufacturer to determine proper glove type.

• EYE PROTECTION

Splash-proof chemical goggles should be worn.

- **OTHER PROTECTIVE EQUIPMENT**
Impervious clothing and boots should be worn. Eye bath and safety shower should be provided.
- **HYGENIC PRACTICES**
Good personal hygiene practices are required at all times when handling chemicals. These practices include, but are not limited to, washing when safety equipment is removed, at the end of each shift or when going on breaks and especially if contamination occurs.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FORM	: Viscous liquid	
COLOUR	: Depends of the reference	
ODOUR	: Fruity (Esters)	
OLFACTIVE THRESHOLD	: 50 ppm (Ethyl Acetate)	
MELTING POINT	: - 84 °C (Ethyl Acetate)	
BOILING POINT	: 77°C at 1013 hPa (Ethyl Acetate)	
BOILING RANGE	: 77 to 130°C	
SPECIFIC GRAVITY	: 0.980 - 1.020	
VAPOUR PRESSURE (hPa)	: 100 (20°C) (Ethyl Acetate)	
VAPOUR DENSITY (Relative : Air = 1)	: 3.04 (Ethyl Acetate)	
FLASH POINT	: - 5 °C	
AUTO IGNITION TEMPERATURE	: 460 °C	
FLAMMABLE LIMITS (% v/v)	: <u>Upper</u>	<u>Lower</u>
Ethyl Acetate	11.0	2.2
Butyl Acetate	7.6	1.7
Isopropanol	12.0	1.8
pH	: Not applicable	
SOLUBILITY IN WATER	: Insoluble	
WATER/OCTANOL DISTRIBUTION COEFFICIENT	: Log Kow = 0.60 (Ethyl Acetate)	
EVAPORATION RATE	: Slower than ether	
VISCOSITY (Brookfield)	: 500 - 1500mPa.s	

SECTION 10: STABILITY AND REACTIVITY

♦ 10.1 - REACTIVITY

Material is STABLE under non-emergency conditions.

♦ 10.2 - CHEMICAL STABILITY

Material WILL NOT undergo hazardous polymerization.

♦ 10.3 - HAZARDOUS REACTION

Not known.

♦ 10.4 - CONDITIONS TO AVOID

Heat, sparks, open flame.

♦ 10.5 - MATERIALS TO AVOID

Sodium hydroxide, nitric acid, oxidizers, acids, alkali, metal, amines.

♦ 10.6 - HAZARDOUS DECOMPOSITION PRODUCTS

Methane, oxides of nitrogen. Carboxylic acids, various hydrocarbons, oxides of carbon, aldehydes, hydrogen cyanide, acids.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENT	LD50 (Oral, Rat)	LC50 (Inhal, Rat)	LC50 (Dermal, Rabbit)
BUTYL ACETATE	14000 mg/Kg	2000 ppm	
ETHYL ACETATE	11300 mg/Kg	1600 ppm (8h)	
ISOPROPYL ALCOHOL	5840 mg/Kg	16000 ppm (8h)	13000 mg/Kg

The product has not been tested. The statements on toxicology have been derived from the literature.

- **INGESTION** : Important ingestion can cause nausea and a great narcosis with weakness, drowsiness and loss of consciousness.
- **INHALATION** : Can cause irritation of the nose and the throat. At high concentration can cause narcosis.
- **CONTACT WITH THE SKIN** : Prolonged contact can cause crack in skin.
- **CONTACT WITH THE EYES** : Can cause irritation of the conjunctive. Can cause injury of the cornea.

SECTION 12: ECOTOXICOLOGICAL INFORMATION

Any reject of this product in the sewer or stream must be avoided.

WATER HAZARD CLASS : WGK1: Slightly hazardous for water.

SECTION 13: DISPOSAL CONSIDERATIONS

Incinerate in a furnace where permitted under national and local regulations.

SECTION 14: TRANSPORT INFORMATION

• ROAD TRANSPORT

Technical name : PERFUMERY PRODUCTS
 ADR Class 3
 ADR Pack group II
 Tunnels Restriction Code : D/E
 Danger label 3
 Kemler number 33
 UN Number 1266

• IATA

Technical name : PERFUMERY PRODUCTS
 UN Number 1266
 IATA Class 3
 Danger label 3
 Pack Group II
 Packing instr : 353(Passenger) – Maximum Quantity 5l
 364(Cargo) – Maximum Quantity 60l

- **MARITIME TRANSPORT**

Technical name : PERFUMERY PRODUCTS
UN Number 1266
IMDG Class 3
Marine pollutant : No
Ems Number : F-E, S-D
IMDG Pack Group II
Danger label 3
Flash point : -5°C

Other indications relative to maritime transport:

- Not viscous product as per IMDG code 2.3.2.5
- Limited Quantity: 5l/30kg (gross)
- Certified packaging: Internal packaging metal, glass, plastic
External packaging: Carton 4G

SECTION 15: REGULATORY INFORMATIONS

No other data.

SECTION 16: OTHER INFORMATIONS

Relevant Phrases

H225 Highly flammable liquid and vapour
H226 Flammable liquid and vapour
H228 Flammable solid
H319 Cause serious eye irritation
H336 May cause drowsiness and dizziness

DISCLAIMER

While Higicol S.A. believes that the data contained herein are accurate and derived from qualified sources, the data are not to be taken as a warranty or representation for which Higicol S.A. assumes legal responsibility. They are offered solely for your consideration, investigation and verification. Any use of these data information must be determined by the user to be in accordance with applicable Federal, state and local laws regulations.

Higicol S.A. requires all Customers who receive this Security Data Record to study it carefully in order to be informed of any dangers presented by the product. As far as security is concerned, the Customer should:

- ◇ Inform his employees, agents and sub-contractors of information contained in this form.
- ◇ Supply one copy of this form to each one of his own Customers for this product.
- ◇ Ask for these same Customers to inform in turn their own Employees and Customers.