MATERIAL SAFETY DATA SHEET

PRINTING DATE : 20/06/2016 **REVISION DATE:**20/06/2016
Version : 2016-02

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

♦ 1.1 - IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

PRODUCT N° : **K8888**
PRODUCT CLASS : **NAIL POLISH**

♦ 1.2 - FINAL USE

Application of nail polish

♦ 1.3 - COMPANY IDENTIFICATION

COMPANY : **VITRY**
PA DE LA FORET
15 RUE DE LA COMMUNAUTE
44140 LE BIGNON
FRANCE
☎ 33.2.40.78.27.95

♦ 1.4 - EMERGENCY TELEPHONE NUMBER

EUROPE : You can reach it here.
FRANCE : ORFILA (INRS) + 33 (0)1 45 42 59 59

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

♦ **3.2 MIXTURE**

- CHEMICAL CHARACTERIZATION
  Blend of solvents with polymer

- HAZARDOUS COMPONENTS

INGREDIENT	HAZARD SYMBOL (CE) No 1272/2008	CONCENTRATION	REGISTRATION NUMBER
ETHYL ACETATE CAS : 141-78-6	FLAM. LIQ. 2 H225 EYE IRRIT. 2 H319 ACUTE TOX. 3 H336	35.0 – 45.0 %	01-2119475103-46-XXXX
BUTYL ACETATE CAS : 123-86-4	FLAM. LIQ. 3 H226 ACUTE TOX. 3 H336	15.0 - 20.0 %	01-2119485493-29-XXXX
NITROCELLULOSE CAS : 9004-70-0	FLAM. SOL. 1 H228	10.0 – 13.0 %	Polymer
ALCOHOL DENAT. CAS : 64-17-5	FLAM LIQ. 2 H225	5.0 – 8.0 %	01-2119457290-43-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 MESURES**

- 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 of 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 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	123-86-4	Press de Vap	15.0	mm/Hg	25°C
<Acetic acid, Butyl		Press de Vap	45.0	mm/Hg	50°C
Ester>		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	
ALCOHOL DENAT	64-17-5	VLE	5000	ppm	
		VME	1000	ppm	

♦ **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	: Colorless
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	: 0.935 - 0.945
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)	Upper	Lower
Ethyl Acetate	11.0	2.2
Butyl Acetate	7.6	1.7
Alcohol Denat	19.0	3.3

pH	: Not applicable
SOLUBILITY IN WATER	: Insoluble
WATER/OCTANOL DISTRIBUTION COEFFICIENT	: Log Kow = 0.60 (Ethyl Acetate)
EVAPORATION RATE	: Slower than ether
VISCOSITY (Brookfield)	: 200–500 mPa.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 INFORMATIONS

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)	
ALCOHOL DENAT	> 2000 mg/kg	> 20 mg/l (4H)	> 2000 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 INFORMATIONS

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 INFORMATIONS

- **MARITIME TRANSPORT**

Technical name : PERFUMERY PRODUCTS (Source of danger: Ethyl acetate, Butyl acetate, Isopropyl alcohol, Alcohol Denat., N-Butyl Alcohol)
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

- **ROAD TRANSPORT**

Technical name : PERFUMERY PRODUCTS (Source of danger: Ethyl acetate, Butyl acetate, Isopropyl alcohol, Alcohol Denat., N-Butyl Alcohol)
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 (Source of danger: Ethyl acetate, Butyl acetate, Isopropyl alcohol, Alcohol Denat., N-Butyl Alcohol)
UN Number 1266
IATA Class 3
Danger label 3
Pack Group II
Packing instr : 353(Passenger) – Maximum Quantity 5l
364(Cargo) – Maximum Quantity 60l

SECTION 15: REGULATORY INFORMATIONS

No other data.

SECTION 16: OTHER INFORMATIONS

Relevant Phrases
H225 Highly flammable liquid and vapour
H226 Flammable liquid and vapour
H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Cause serious eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness and dizziness

DISCLAIMER
While VITRY 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 VITRY 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.

VITRY 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.