



MATERIAL SAFETY DATA SHEET

DATE : 12/05/2007

1 . IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

◆ **IDENTIFICATION OF THE SUBSTANCE OR PREPARATION**

PRODUCT CLASS : Elfa Nail Polish - All Colors

◆ **COMPANY IDENTIFICATION**

COMPANY : The Nail Superstore
3804 Carnation St.
Franklin Park, IL 60131
Info: (847) 260-4000

◆ **EMERGENCY TELEPHONE NUMBER**

(800) 535-5053

2. COMPOSITION / INFORMATION ON INGREDIENTS

◆ CHEMICAL CHARACTERIZATION

Nitrocellulose with nitrogen content < 12.2 % and at a concentration < 20 % in a blend of solvents.

◆ HAZARDOUS COMPONENTS

INGREDIENT	CAS NUMBER	HAZARD	HAZARD SYMBOL
ISOPROPYL ALCOHOL	67-63-0	HIGHLY FLAMMABLE, IRRITANT	F, Xi
ETHYL ACETATE	141-78-6	HIGHLY FLAMMABLE, IRRITANT	F, Xi
BUTYL ACETATE	123-86-4	FLAMMABLE	-----
TOLUENE	108-88-3	HIGHLY INFLAMMABLE HARMFUL	F Xn
NITROCELLULOSE	9004-70-0	HIGHLY FLAMMABLE	F

3. HAZARD IDENTIFICATION

◆ DESIGNATION OF HAZARD

FLAMMABLE

Vapors 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.

◆ 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. 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 mn holding the eye open. Obtain medical attention urgently.

5. FIRE - FIGHTING MEASURES

◆ **EXTINGUISHING MEDIA**

Foam, Carbon Dioxide or Dry Chemical.

◆ **UNUSUAL FIRE AND EXPLOSION HAZARDS**

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

◆ **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 firefighters from exposure to coating's hazardous ingredients and hazardous decomposition products.

6. ACCIDENTAL RELEASE MEASURES

◆ **STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Wear appropriate safety equipment as listed in Section 8. Absorb on inert material and dispose of as below.

◆ **WASTE DISPOSAL METHODS**

Dispose in accordance with FEDERAL, STATE and local regulations. Incineration is the preferred method of disposal.

7. HANDLING AND STORAGE

◆ **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Store in well-ventilated area. Keep containers 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.

◆ **OTHER PRECAUTIONS**

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

◆ EXPOSURE LIMITS

Hazardous Ingredients	Cas N°	Desc.	Value	Unit	Comment
BUTYL ACETATE <Acetic Acid, Butyl Ester>	123-86-4	PEL-TWA TLV-STEL PEL-STEL	150 200 200	ppm ppm ppm	15 minutes 15 minutes
NITROCELLULOSE <CUN COTTON>	9004-70-0	PEL-TWA	NA		
ETHYL ACETATE	141-78-6	PEL-TWA	400	ppm	
ISOPROPANOL <ISOPROPYL ALCOHOL> <ISOPROPYL ALCOHOL>	67-63-0	PEL-TWA TLV-STEL PEL-STEL	400 500 500	ppm ppm ppm	15 minutes 15 minutes
TOLUENE	108-88-33	Vapor Pres Vapor Pres PEL-TWA VLE VME	40 400 100 150 100	mmHg mmHg ppm ppm ppm	31.8°C 89.5°C

◆ PERSONAL PROTECTION

RESPIRATORY PROTECTION

Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and handling unless air monitoring demonstrates vapor /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 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	: Viscous liquid		
COLOUR	: Colorless		
ODOUR	: Esters, Aromatic		
BOILING POINT	: 77°C at 1013 hPa (Ethyl Acetate)		
BOILING RANGE	: 77 at 130°C		
SPECIFIC GRAVITY	: 0.960 - 1.000		
VAPOUR PRESSURE (mm Hg)	: 100 (27°C) (Ethyl Acetate)		
FLASH POINT	: < 21°C		
FLAMMABLE LIMITS (% v /v)			
	<u>Upper</u>		<u>Lower</u>
Ethyl Acetate	11.0		2.20
Butyl Acetate	7.6		1.70
Isopropanol	12.0		1.80
Toluene	7.0		1.27
pH	: Not applicable		
SOLUBILITY IN WATER	: Insoluble		
EVAPORATION RATE	: Slower than ether		

10. STABILITY AND REACTIVITY

Material is STABLE under non-emergency conditions.

Material WILL NOT undergo hazardous polymerization.

HAZARDOUS DECOMPOSITION PRODUCTS

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

CONDITIONS TO AVOID

Heat, sparks, open flame.

MATERIALS TO AVOID

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

11. TOXICOLOGICAL INFORMATION

INGREDIENT	LD50 (Oral, Rat)	LC50 (Inhal, Rat)	LC50 (Dermal, Rabbit)
ETHYL ACETATE	11300 mg/Kg	1600 ppm (8h)	
BUTYL ACETATE	14000 mg/Kg	2000 ppm	
ISOPROPYL ALCOHOL	5840 mg/Kg	16000 ppm (8h)	13000 mg/Kg
TOLUENE	2500 mg/Kg		

INGESTION

Important ingestion can cause nausea and a great narcosis with weakness, drowsiness and loss of consciousness. Irritation.

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.

12. ECOLOGICAL INFORMATION

No DATA

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

ROAD TRANSPORT

Class : 3
Pack group : II
Label : 3
Kemler number : 33
UN Number : 1263

MARITIME TRANSPORT

UN Number : 1263
Class : 3
Pack Group : II
Ems Number : 3-05
Flash point : -5°C

IATA

UN Number : 1263
Class : 3
Pack Group : II
Packing instr : 305 (Passenger)
307 (Cargo)

15. REGULATORY INFORMATION

Labelling according to EEC-Directives

SYMBOL : F, T

INDICATION OF DANGER : Highly Flammable

RISK PHRASES : 11, 36, 66, 67, 61

SAFETY PHRASES : 16, 26, 3, 53, 61

16. OTHER INFORMATION

DISCLAIMER

The data contained herein is based upon information that The Nail Superstore believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and involved in said use. All statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or results to be obtained from the use thereof.