



## SECTION I: PREPARATION IDENTIFICATION AND COMPANY INFORMATION

MANUFACTURER'S NAME: ENTITY BEAUTY, INC.

USA/CANADA EMERGENCY TELEPHONE: 1.800.535.5053  
INTERNATIONAL EMERGENCY TELEPHONE: 1.352.323.3500  
INFORMATION CONTACT: INFOTRAC

ADDRESS: 440 W. ONTARIO STREET  
CHICAGO, IL 60654 USA

ENTITY'S FORMULA NUMBER: CONFIDENTIAL

PRODUCT CODE: CH098

FAMILY: NITROCELLULOSE LACQUER

PRODUCT TYPE: **NAIL LIQUID**

TRADE NAME: ENAMEL BASE COAT

PRODUCT USE: NAIL COATING

ISSUED: 22 JUNE 2007 (REVISION 1)

## SECTION II: COMPOSITION AND INGREDIENT INFORMATION

CAS Number	EINECS#	U. S. INCI	EU INCI	R Phrase	S Phrase
141-78-6	205-500-4	Ethyl acetate	Ethyl acetate	11,36,66,67	2,16,26,33
123-86-4	204-658-1	Butyl acetate	Butyl acetate	10,66,67	2,25
67-63-0	200-661-7	Isopropyl alcohol	Isopropyl alcohol	11,36,37	2,7,16, 24/25,26
9004-70-0	None	Nitrocellulose	Nitrocellulose		2,35
N/A	None	Polyester resin	None		
115-86-6	204-112-2	Triphenylphosphate	Triphenylphosphate		
6846-50-0	229-934-9	Trimethyl pentanyl diisobutyrate	None		

Hazard Symbols: Xi F

Safety Phrases: S2, S7, S16, S24/25, S26, S33, 35 Risk Phrases: R11, R36, R66, R67

Chemical Identity	Exposure	Limits	Carcinogen	%
	OSHA TWA/STEL	ACGIH TWA/STEL	IARC/NTP/OSHA	
Ethyl acetate	400 ppm	400 ppm	Not listed	27-34
Butyl acetate	150 ppm	150 ppm	Not listed	24-29
Isopropyl alcohol	400 ppm	400 ppm	Not listed	15-20
Nitrocellulose	400 ppm	N/E	Not listed	9-11
Polyester resin	N/E	N/E	Not listed	6-7
Triphenylphosphate	N/E	N/E	Not listed	3-4
Trimethyl pentanyl diisobutyrate	N/E	N/E	Not listed	3-4

N/E =None  
Established

## SECTION III: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- Flammable liquid and vapour!
- May cause eye irritation.
- May cause skin irritation.
- Avoid prolonged or repeated breathing of gases, vapors or mists.
- Relevant risk phrases - **R11: highly flammable**, **R36: Irritating to eyes**, **R37: Irritating to respiratory system**, **R67: Vapours may cause drowsiness and dizziness**.
- Please read entire MSDS for additional information.





## Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry: Inhalation, skin, eyes, ingestion

Eye: Vapour or liquid exposure may cause irritation of eyes. Symptoms of exposure may include stinging, tearing and/or redness.

Skin: Liquid concentration may cause moderate skin irritation. Repeated or prolonged contact may cause skin dryness or cracking. Other symptoms may include burning, dermatitis or dermal damage.

Ingestion: Causes a burning sensation of the mouth, throat and respiratory tract, nausea, gastrointestinal irritation and abdominal pain.

Inhalation: High vapour concentrations may irritate the respiratory system. Prolonged exposure can lead to drowsiness and dizziness, narcosis, fatigue and loss of coordination.

Chronic Health Effects Unlikely to present a cancer hazard in man.

NOTE: Refer to Section 11, Toxicological Information for Details

## SECTION IV: FIRST AID MEASURES

First Aid for Eye: Flush with water for 15 minutes, including under eyelids. Seek medical attention if discomfort persists.

First Aid for Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before re-use. Seek medical attention if discomfort persists.

First Aid for Inhalation: Remove to fresh air. Seek medical attention immediately. If having breathing difficulty, give oxygen.

First Aid for Ingestion: Seek medical advice immediately. Remove to fresh air. Rinse out mouth with water or induce vomiting only if directed by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to avoid aspiration into lungs.

## SECTION V: FIRE FIGHTING MEASURES

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
Tag Closed Cup: 24°F/-4°C	LEL: 1% ; UEL : 13%	392.8°C

**Method:** UN number: UN1263

Extinguishing Media: Foam, carbon dioxide, dry chemical

Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing. DO NOT USE WATER SINCE PRODUCT WILL FLOAT ON TOP OF THE WATER AND MAY SPREAD THE FIRE. Water spray or running water may be used to keep fire-exposed containers cool.

Unusual Hazards: Flammable. Vapours may travel to source of ignition and flash back. Avoid ignition sources or excessive temperatures. Closed containers may rupture explosively.



## SECTION VI: ACCIDENTAL RELEASE MEASURES

**Spill or Release Procedures:** Eliminate all sources of heat and ignition. Use suitable protective clothing. Use absorbent material for spills and dike it, wash spill material into retaining containers. Place containers in a well ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer - although product is not labelled as dangerous to the environment

EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to disperse the vapours, to protect personnel attempting to stop leak, and to flush spills away from exposures.

US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. .

## SECTION VII: HANDLING AND STORAGE

**Handling:** Keep away from heat, sparks and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Wash thoroughly after handling.

**Storage:** Store in a cool, dry area. Keep container closed when not in use. Store at ambient temperatures out of direct sunlight. Store in a well ventilated place. Store in accordance with National Fire Protection Association recommendations.

**Explosion Hazard:** Avoid ignition sources or excessive temperatures. Closed containers may rupture explosively.

## SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.

### Personal Protective Equipment

**General:** To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) or UK CoSHH regulations (or other appropriate EU legislation) be conducted before using this product.

Provide eye wash stations and safety showers. Wear impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole bodysuit. Nitrile rubber is better than PVC.

For professional use in beauty salons, the use of a fan is recommended to provide fresh air supplies to operator.

**Eye/ Face Protection:** Always check suitability of equipment with the supplier. Wear safety glasses. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact due to splashing or spraying material.

**Skin Protection:** Use impermeable clothing to prevent any contact with this product, such as gloves, apron, boots, or a whole body suit. Neoprene and nitrile rubber is better than PVC.



# MATERIAL SAFETY DATA SHEETS

**Respiratory Protection:** A NIOSH/MSHA approved air purifying respirator with an organic vapour cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions.

Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149

## SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b> Opaque liquid various colours	<b>Odour &amp; Odour Threshold</b> Acetate odour	<b>pH</b> N/A	<b>Specific Gravity</b> (H <sub>2</sub> O=1): 0.85-0.97	<b>Viscosity</b> N/A	<b>% Volatile -</b> 70-80% by weight	<b>Solubility In Water</b> (20°C) negligible
<b>Boiling Point/Freezing Point</b> 77- 130°C N/DA	<b>Decomposition Temperature</b> N/DA	<b>Octanol/Water Partitioning Coefficient</b> N/A	<b>Vapour Pressure:</b> mm Hg: 29 @ 20°C	<b>Vapour Density</b> (Air=1): 3.04	<b>Evaporation Rate</b> Isopropyl alcohol = 1 : <1	<b>Ignition</b> N/A
<b>Flash Point (°F/°C)</b> Tag Closed Cup: 24°F/ -4°C		<b>Flammable Limit (vol%)</b> LEL : 1% ; UEL : 13%		<b>Auto-ignition Temperature (vol%)</b> N/A		

## SECTION X: STABILITY AND REACTIVITY

<b>Stability:</b> Chemically stable under normal conditions	<b>Incompatibility (Materials to Avoid):</b> Reducing and oxidizing agents, acids, alkalis, metals, amines
<b>Hazardous Decomposition Products:</b> Oxides of nitrogen, carbon and phosphorous	<b>Hazardous Polymerization:</b> Will not occur
<b>Conditions to Avoid:</b> Temperatures above 35°C, oxidizing or reducing agents, avoid ignition sources.	

## SECTION XI: TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity</b> Oral LD50 (rat): Ethyl acetate = 11300 mg/kg; butyl acetate = 11400 mg/kg; isopropyl alcohol = 5840 mg/kg	<b>Acute Dermal Toxicity</b> No data	<b>Acute Inhalation Toxicity</b> Inhalation LC50 (rat): Ethyl acetate = 1600 ppm; butyl acetate = 2000 ppm; isopropyl alcohol = 16000 ppm	<b>Irritation - skin</b> No data	<b>Irritation - Eye</b> No data
<b>Sensitisation</b> No data	<b>Mutagenicity</b> No data		<b>Sub-chronic Toxicity</b> No data Possible target organ is the nervous system	



**SECTION XII: ECOLOGICAL INFORMATION**

**Ecotoxicological Information**

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
No data	No data	No data	No data	No data

**Chemical Fate Information**

<b>Biodegradability</b>	No data
<b>Chemical Oxygen Demand</b>	No data

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

**SECTION XIII: DISPOSAL CONSIDERATIONS**

Dispose of diking and absorbent materials in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

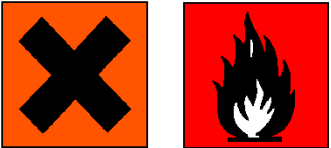
Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements

**SECTION XIV: TRANSPORT INFORMATION**

<b>DOT (49 CFR 172)</b>	
Proper Shipping Name:	Paint (ethyl acetate, butyl acetate, isopropyl alcohol), 3, PGIII
Identification Number:	UN1263
Marine Pollutant:	No
Special Provisions:	T8, T31
<b>Emergency Response Guidebook (ERG) #:</b>	<b>128</b>
<b>IATA (DGR):</b>	
Proper Shipping Name:	Paint (ethyl acetate, butyl acetate, isopropyl alcohol), 3, PGII
Class or Division:	3
UN or ID Number:	ID8000
Packaging Instructions:	PGII
<b>Emergency Response Guidance (ICAO)#:</b>	<b>305, 307</b>
<b>IMO (IMDG):</b>	
Proper Shipping Name:	Paint (ethyl acetate, butyl acetate, isopropyl alcohol), 3, PGIII
Class or Division:	3
UN or ID Number:	UN1263
Special Provisions & Stowage/Segregation:	None
<b>Emergency Schedule (EmS)#:</b>	<b>FE, SE</b>
<b>Other Information:</b>	<b>Flash point = -4°C</b>

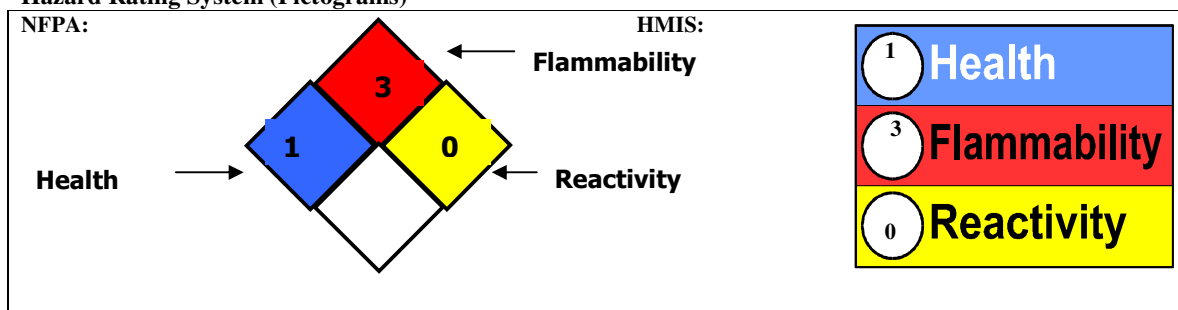
## SECTION XV: REGULATORY INFORMATION

### International Regulations

<p>CDSL: Canadian Inventory (on Canadian Transitional List)</p>	<p>Ethyl acetate DSL regulatory status: Included, WHMIS: B2: flammable liquid, D-2B:Toxic          Butyl acetate DSL regulatory status: Included, WHMIS: B2: flammable liquid, D-2B:Toxic          Isopropyl alcohol DSL regulatory status: Included, WHMIS: B2: flammable liquid, D-2B:Toxic          Nitrocellulose DSL regulatory status: Included, WHMIS: not known          Polyester resin DSL regulatory status: not known, WHMIS: not known          Triphenyl phosphate DSL regulatory status: Included, WHMIS: not known          Trimethyl pentanyl diisobutyrate DSL regulatory status: Included, WHMIS: not known</p>
<p>EINECS: European Inventory:</p> 	<p><b># 101 BASECOAT:</b></p> <ul style="list-style-type: none"> <li>HAZARD SYMBOLS: <b>Xi, F: Irritant, Highly Flammable</b></li> <li>RISK PHRASES:</li> <li><b>R10:</b> flammable,</li> <li><b>R11:</b> highly flammable,</li> <li><b>R36:</b> Irritating to eye.</li> <li><b>R37:</b> Irritating to respiratory system</li> <li><b>R66:</b> repeated exposure may cause skin dryness or cracking,</li> <li><b>R67:</b> vapours may cause drowsiness and dizziness</li> </ul> <p>SAFETY PHRASES:  <b>S2:</b> keep container in a well ventilated place,  <b>S7:</b> keep container tightly closed  <b>S16:</b> keep away from sources of ignition- no smoking,  <b>S24/25:</b> avoid contact with skin and eyes,  <b>S26:</b> in case of contact with eyes, rinse immediately with plenty of water and seek medical advice  <b>S33:</b> take precautionary measures against static discharges,  <b>S35:</b> this material and its container must be disposed of in a safe way</p>

## SECTION XVI: OTHER INFORMATION

### Hazard Rating System (Pictograms)



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