



MATERIAL SAFETY DATA SHEETS

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: CII100

FAMILY: NITROCELLULOSE LACQUER

PRODUCT TYPE: **NAIL LIQUID**

TRADE NAME: ENAMEL TOP COAT

PRODUCT USE: NAIL COATING

ISSUED: 22 JUNE 2007 (REVISION 1)

SECTION II: COMPOSITION AND INGREDIENT INFORMATION

<u>CAS Number</u>	<u>EINECS#</u>	<u>U. S. INCI</u>	<u>EU INCI</u>	<u>R Phrase</u>	<u>S Phrase</u>
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
9004-36-8	None	Cellulose acetate butyrate	Cellulose acetate butyrate		
25035-69-2	None	Acrylates copolymer	None		
108-65-6	203-603-9	Methoxyisopropyl acetate	Methoxyisopropyl acetate	10,36	2,25

Hazard Symbols: Xi F

Safety Phrases: S2, S7, S16, S24/25, S26, S33 Risk Phrases: R11, R36, R37, R66, R67

<u>Chemical Identity</u>	<u>Exposure OSHA TWA/STEL</u>	<u>Limits ACGIH TWA/STEL</u>	<u>Carcinogen IARC/NTP/OSHA</u>	<u>%</u>
Ethyl acetate	400 ppm	400 ppm	Not listed	26-30
Butyl acetate	150 ppm	150 ppm	Not listed	26-30
Isopropyl alcohol	400 ppm	400 ppm	Not listed	22-27
Cellulose acetate butyrate	N/E	N/E	Not listed	5-6
Acrylates copolymer	N/E	N/E	Not listed	7-8
Methoxyisopropyl acetate	N/E	N/E	Not listed	2-3

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.



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 1

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION X: STABILITY AND REACTIVITY

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

SECTION XI: TOXICOLOGICAL INFORMATION

Acute Oral Toxicity Oral LD50 (rat): Ethyl acetate = 11300 mg/kg; butyl acetate = 11400 mg/kg; isopropyl alcohol = 5840 mg/kg	Acute Dermal Toxicity No data	Acute Inhalation Toxicity Inhalation LC50 (rat): Ethyl acetate = 1600 ppm; butyl acetate = 2000 ppm; isopropyl alcohol = 16000 ppm	Irritation - skin No data	Irritation - Eye No data
Sensitisation No data	Mutagenicity No data		Sub-chronic Toxicity 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

Biodegradability	No data
Chemical Oxygen Demand	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

DOT (49 CFR 172)	
Proper Shipping Name:	Paint (ethyl acetate, butyl acetate, isopropyl alcohol), 3, PGIII
Identification Number:	UN1263
Marine Pollutant:	No
Special Provisions:	T8, T31
Emergency Response Guidebook (ERG) #:	128
IATA (DGR):	
Proper Shipping Name:	Paint (ethyl acetate, butyl acetate, isopropyl alcohol), 3, PGII
Class or Division:	3
UN or ID Number:	ID8000
Packaging Instructions:	PGII
Emergency Response Guidance (ICAO)#:	305, 307
IMO (IMDG):	
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
Emergency Schedule (EmS)#:	FE, SE
Other Information:	Flash point = -4°C

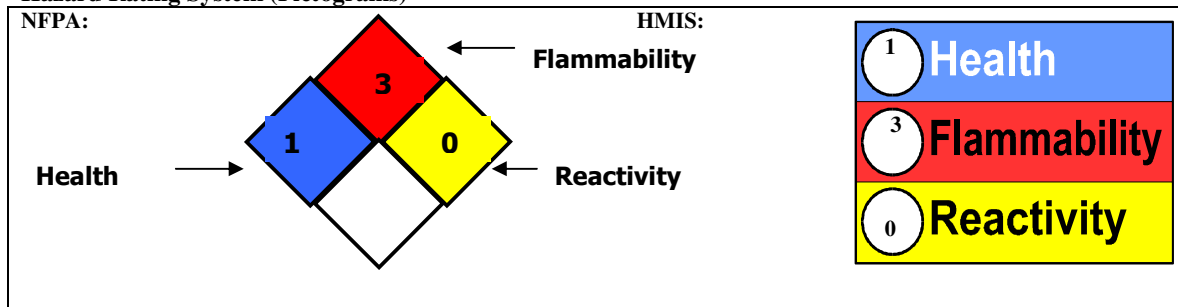
SECTION XV: REGULATORY INFORMATION

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 Cellulose acetate butyrate DSL regulatory status: Included, WHMIS: not known Acrylics copolymer DSL regulatory status: Included, WHMIS: not known Methoxyisopropyl acetate DSL regulatory status: Included, WHMIS: flammable liquid</p>
<p>EINECS: European Inventory:</p> 	<p># 102 TOPCOAT:</p> <ul style="list-style-type: none"> HAZARD SYMBOLS: Xi, F: Irritant, Highly Flammable RISK PHRASES: R10: flammable, R11: highly flammable, R36: Irritating to eye. R37: Irritating to respiratory system R66: repeated exposure may cause skin dryness or cracking, R67: vapours may cause drowsiness and dizziness SAFETY PHRASES: S2: keep container in a well ventilated place, S7: keep container tightly closed S16: keep away from sources of ignition- no smoking, S24/25: avoid contact with skin and eyes, S26: in case of contact with eyes, rinse immediately with plenty of water and seek medical advice S33: Take precautionary measures against static discharges, S35: this material and its container must be disposed of in a safe way

SECTION XVI: OTHER INFORMATION

Hazard Rating System (Pictograms)



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