

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Choice Universal Nail Liquid

Part Number:

GENERAL USE: Protective Coating

PRODUCT DESCRIPTION: Clear flammable liquid, characteristic acrylic odor



MANUFACTURER'S NAME

Nail Systems International

DATE PREPARED: January 31, 2003

SUPERSEDES: October 15, 2001

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ADDRESS (NUMBER, STREET, P.O. BOX)

2 Union Hill Road

TELEPHONE NUMBER FOR INFORMATION

(610) 825-1524

(CITY, STATE AND ZIP CODE)

W. Conshohocken, PA 19428

COUNTRY

USA

EMERGENCY TELEPHONE NUMBER

Infotrac (800) 535-5053 Outside USA (352) 323-3500

DISTRIBUTOR'S NAME

Same

ADDRESS (NUMBER, STREET, P.O. BOX)

TELEPHONE NUMBER FOR INFORMATION

(CITY, STATE AND ZIP CODE)

COUNTRY

EMERGENCY TELEPHONE NUMBER

## SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	% (by weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES Full Text Section 16
Ethyl methacrylate (a,b)	91	97-63-2	202-597-5	F, Xi	R-11, 36/37/38, 43
Triethylene glycol dimethacrylate	6.2	109-16-0	203-652-6	Xn	R-36/37/38
N,N-dimethyl-p-toluidine	2.2	99-97-8	202-805-4	Xn	R-20/21/22, 33
2-Hydroxy-4-octyloxybenzophenone	0.6	1843-05-6	217-421-2	Xi	R-36/37/38

(a) See Section 15

(b) Indicates that the Resource Conservation and Recovery Act (RCRA)(USA) has determined the waste for this chemical is listed as hazardous and must be handled according to regulations in 40 CFR 260-281.

## SECTION 3 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Flammable liquid, irritating to eyes, skin and respiratory system; heat and light sensitive. Hazard symbols for this product: F, Xi Risk Phrases: 11, 36/37/38, 43

### POTENTIAL HEALTH EFFECTS

INHALATION: High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise. Chronic overexposures, or a single large dose, may cause sensitization and subsequent reaction to a later exposure to methacrylates at levels well below the TLV

SKIN: Brief contact may cause slight irritation; prolonged contact may cause moderate reddening, swelling and possible necrosis. Chronic exposure may result in skin sensitization, which can cause symptoms as a result of contact with very small amounts of liquid material or as a result of exposure to vapor.

EYES: Contact causes severe irritation and pain associated with redness and swelling of the conjunctiva.

INGESTION: May cause headache, dizziness, diarrhea and general weakness.

CARCINOGENICITY

NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

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**SECTION 4 - FIRST AID MEASURES**

**INHALATION:** Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

**SKIN:** Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

**EYES:** Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

**INGESTION:** DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Vomiting may be induced only under the supervision of a physician.

**SECTION 5 - FIRE FIGHTING MEASURES**

**GENERAL HAZARDS:** Product is flammable. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide. Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back.

**EXTINGUISHING MEDIA**  
Carbon dioxide, water fog, dry chemical, chemical foam

**FIRE FIGHTING PROCEDURES**  
Firefighters must wear full facepiece self - contained breathing apparatus in positive pressure mode. Do not use solid stream of water since stream will scatter and spread fire. Fine water spray can be used to keep fire - exposed containers cool.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**  
Closed containers can explode due to buildup of pressure when exposed to extreme heat. Do not use direct stream of water on pool fires as product may reignite on water surface. Caution - Material is flammable!

**HAZARDOUS COMBUSTION PRODUCTS**  
Smoke, toxic fumes, oxides of carbon.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** CAUTION - FLAMMABLE - Evacuate and ventilate area; confine and absorb into absorbent; place material into approved containers for disposal. Do not discharge into lakes, ponds, streams or public waters.

**SECTION 7 - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. CAUTION - FLAMMABLE - keep away from all sources of ignition. "Empty" containers may contain residue which may form explosive vapors. Do not weld or cut near empty container that has not been professionally reconditioned. Use non-sparking tools when opening and closing containers. Maintain well ventilated work areas to minimize exposure when handling this material.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

HAZARDOUS COMPONENTS	NIOSH				ACGIH			
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Ethyl methacrylate (a,b)		Not established		--		Not established		--
Triethylene glycol dimethacrylate		Not established		--		Not established		--
N,N-dimethyl-p-toluidine		Not established		--		Not established		--
2-Hydroxy-4-octyloxybenzophenone		Not established		--		Not established		--

**PERSONAL PROTECTION:**  
**RESPIRATORY PROTECTION (SPECIFY TYPE):** None required while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator approved for use in methacrylate - containing environments must be worn.

**PROTECTIVE GLOVES:** Neoprene or rubber gloves with cuffs.

**EYE PROTECTION:** Protective eyeglasses or chemical safety goggles. Refer to 29 CFR 1910.133 or European Standard EN166.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Coveralls, apron, or other equipment should be worn to minimize skin contact.

**WORK / HYGIENIC PRACTICES:** Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR  
Clear viscous liquid, characteristic acrylic odor

VAPOR PRESSURE  
15mm Hg @ 20° C

pH  
Not applicable

SPECIFIC GRAVITY (WATER = 1)  
0.923

BOILING POINT / BOILING RANGE  
244° F (118° C)

SOLUBILITY IN WATER  
Negligible

FLASH POINT  
60° F ( 15.5° C) TCC

VISCOSITY  
Not specified

FLAMMABLE LIMITS  
LEL: 1.8% UEL: Not established

VAPOR DENSITY (AIR = 1)  
> 3.5

AUTOIGNITION TEMPERATURE  
771° F (410° C)

EVAPORATION RATE (WATER = 1)  
< 1

**SECTION 10 - STABILITY AND REACTIVITY**

STABILITY  
UNSTABLE:  
STABLE: XXX

CONDITIONS TO AVOID: Extreme temperatures, open flames, sparks

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

HAZARDOUS POLYMERIZATION  
MAY OCCUR: XXX  
WILL NOT OCCUR:

CONDITIONS TO AVOID: Sensitive to light and heat. Autopolymerization may occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Ethyl methacrylate (a,b)	97-63-2 202-597-5	14,800 mg / kg Oral - rat	8300 ppm / 4H Inhalation - rat
Triethylene glycol dimethacrylate	109-16-0 203-652-6	10,837 mg / kg Oral - rat	Not established
N,N-dimethyl-p-toluidine	99-97-8 202-805-4	Not established IPR - mouse	1400 mg / m3 / 4H Inhalation - rat
2-Hydroxy-4-octylcybenzophenone	1843-05-6 217-421-2	> 10,000 mg / kg Oral - rat	Not established

**SECTION 12 - ECOLOGICAL INFORMATION**

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors or fumes in a closed disposal container creating a dangerous environment. (USA) Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway.

**SECTION 14 - TRANSPORT INFORMATION**

PROPER SHIPPING NAME: Ethyl methacrylate mixture

DOT HAZARD CLASS / Pack Group: 3 / II  
REFERENCE: 49 CFR 173.150, .202, .242  
UN / NA IDENTIFICATION NUMBER: UN 2277  
LABEL: FLAMMABLE LIQUID  
HAZARD SYMBOLS: F

IATA HAZARD CLASS / Pack Group: 3 / II  
IMDG HAZARD CLASS: 3 / II  
RID/ADR Dangerous Goods Code: 3  
UN TDG Class / Pack Group: 3 / II

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

