MATERIAL SAFETY DATA SHEET — Nail Architecture Monomer

Section 1: Identification

Product Name: **Nail Architecture Monomer** Chemical Family: ACRYLIC MONOMER

Manufacturer: LeChat Nail Products
228 Linus Pauling Drive, CA 94547
Tel: 510-741-9998

Emergency Phone Numbers: (800) 535 - 5053

Section 2: Composition/ Ingredients

Chemical Identity	Cas No.	EINECS #	INCI Name	Exposure Limits OSHA / ACGIH TWA/STEL	Caricinogen IARC/NTP/OSHA	Wt
Ethyl Methacrylate	97-63-2	202-597-5	Ethyl methacrylate	NE	not listed	<80
Hydroxy propyl methacrylate	27813-02-1	248-666-3	Hydroxypropyl Methacrylate	NE	Group 3/no/no	<15
Tetraethylene glycol dimethacrylate	109-17-1	203-653-1	PEG-4 Dimethacrylate	5 mg/m3	3/no/no	<10
N,N-Dimethyl-p-toluidine	99-97-8	202-805-4	Dimethyltolyamine	NE	not listed	<1
D&C Violet #2	81-48-1	201-353-5	CI 60725	NE	not listed	<1
FD&C Blue #1	3844-45-9	223-339-8	CI 42090	NE	not listed	<1

N/E - None Established N/R - Not Reviewed N/DA - No Data Available N/A - Not Applicable

This product is not considered hazardous by OSHA Hazard Communication Standard.

Hazard Symbols: XiF **Risk Phrases:** R11, R36/37/38, R43 **Safety Phrases:** S9, S16, S29, S33, S36/37/39, S45

Section 3: Harzards Identification

Flammable liquid and vapor!

Emergency Overview

* May cause skin irritation
* May cause eye irritation
* Avoid prolonged or repeated breathing of gases, vapors or mists.

Potential Health Effects, Signs and Symptons of Exposure:

Primary Route of Entry: Eye, Skin, Ingestion, Inhalation

Eye: Higher concentration may cause eye irritation or damage.

Skin: Repeated or prolonged exposure may cause allergic skin rashes

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

Inhalation: High vapor concentrations may irritate the respiratory system. Prolonged exposure can lead to headaches , nausea , drowsiness and unconsciousness.

Sub-Chronic Effects: Unlikely to present a cancer hazard in man.

Section 4: First Aid Procedures

Eye & skin contact: Flush with water for 15 minutes, including under eyelids. Seek medical help if discomfort persists. Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. medical attention if discomfort persists.

Inhalation: Remove to fresh air. If having breathing difficulty, give oxygen. If breathing has stopped, give artificial respiration. Get medical help if discomfort persists.

Ingestion: Rinse mouth out with water. Consult physician immediately if swallow large amount.

Section 5: Fire Fighting Measures

Flash Point (ºF/ºC)	Flammabale Limit (Vol %)	Auto-ignition Temperature (Vol %)
Tag Closed Cup: 68°F/20ºC	LEL : 2% ; UEL : 2.5%	392.8 ° C

Extinguishing Media : (x) Water (x) CO2 (x) Dry Chemical (x) Carbon Tetrachloride ( ) Other

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective gear. Water may be ineffective unless used as a fine spray or fog. Use water spray to cool the exposed containers of methacrylate monomer.

Unusual Fire and Explosion Hazards: Vapors may travel to source of ignition and flash back. Avoid ignition sources or excessive temperatures. Heat can induce polymerization with rapid release of energy. Closed containers may rupture explosively. Spontaneous polymerization may occur with prolonged aging

Section 6: Accidental Release Measures

Eliminate all sources of heat and ignition. 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! 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. EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from

Section 7: Handling & Storage

Handlling — Keep away from heat, sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist . Use with adequate ventilation. Ground all metal containers when transferring and use explosion-proof equipment. Follow all MSDS/label precautions even after the 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. Maintain air space inside storage containers . Inhibitor requires air (oxygen) contact to function. Check inhibitor levels after 3 months and return to original level.

Explosion Hazard: — Avoid ignition sources or excessive temperatures. Heat can induce polymerization with rapid release of energy. Closed containers may rupture explosively. Spontaneous polymerization may occur with prolonged aging.

Section 8: 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

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) 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 body suit. Nitrile rubber is better than PVC.

Eye & Face protection: — 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 whole body suit. Neoprene and Nitrile rubber is better than PVC

Respiratory Protection: — A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exsposure limits. Protection provided by air purifying respirators is limited. Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepeice airline respirator in the positive pressure mode with emergency escape provisions. Follow OSHA repsirator regulations found in 29 CFR 1910.134 or Eurpean Standard EN 149.

Section 9: Physical & Chemical Property

Appreance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity & % Volatile
Blue-violet liquid	sharp ester-like odo	N/A	(H20=1): 0.918	<1mPas @ 20ºC W/W %: 99+

Boiling Point Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient	Vapor Pressure mm Hg:	Vapor Density	Evaporation Rate	Ignition	Solubility in Water (20 ºC)
243ºF/117ºC	N/A	1. 25	0.69 kPa	(Air =1) : 3.9	ButylAcetate =	0.5g/100g	Insoluble
N/DA			@38ºC		1: 1.5 N/A	@20ºC	

Section 10: Stability & Reactivity

Stability: Stable

Hazardous Decomposition Products: Methacrylate monomer

Conditions to Avoid: Temperatures above 60 F

Incompatibility (material to avoid): Reducing & oxidizing agents & UV light.

Hazardous Polymerization: Oxides of carbon when burned.

Section 11: Toxicological Information

Acute Oral Toxicity	**Acute Dermal Toxicity**	**Acute Inhalation Toxicity**	**Sub-Chronic Toxicity**
Oral (Rat) LD50 :	LD50 Dermal (rabbit):	LC50 Inhalation (rat):	N/DA
13300mg/kg	> 9100 mg/kg	3800 ppm	
Irratation - Skin	**Irritation - Eye**	**Sensitiztion**	**Mutagenicity**
N/DA	N/DA	N/DA	Test positive

Section 12: Ecological Information

Ecotoxicological Information

Acute Toxicity To Fish	**Acute Toxicity To Algae**	**Acute Toxicity To Invertebrates**	**Bioconcentration**	**Toxicity to Sewage Bacteria**
N/DA	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	**Chemical Oxygen Demand**
N/DA	N/DA

Section 13: Disposable Concentrations

Dispose of diking materials and absorbent 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. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA 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. 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.

Section 14: Transportation Information

DOT (49 CFR 172)

Proper Shipping Name: Flammable liquids, n.o.s., (ethyl methacrylate, hydroxy propyl methacrylate), 3, UN1993, PGII
Identification Number: UN1993
Marine Pollutant: No
Special Provisions: T8, T31

Emergency Response Guidebook (ERG) #: 128

IATA (DGR):

Proper Shipping Name: Flammable liquids, n.o.s., (ethyl methacrylate, hydroxy propyl methacrylate), 3, UN1993, PGII
Class or Division: 3
UN or ID Number: UN1993

IMO (IMDG):

Proper Shipping Name: Flammable liquids, n.o.s., (ethyl methacrylate, hydroxy propyl methacrylate), 3, UN1993, PGII
Class or Division: 3
UN or ID Number: UN1993
Special Provisions & Stowage/Segregation: None

Other Information: **Flash point = 20°C**

Section 15: Regulatory Information

U.S. Federal Regulation:

Clean Air Act: HAP/ODS	This product contains no hazardous air pollutant (HAP), or ozone depleting chemical as defined by the U.S. Clean Air Act.
Clean Water Act: HS/Prioity Pollutant	This product does not contains any chemical listed under the U.S. Clean Water Act Priority Pollutant List
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.
Occupational Safety & Health Act	• Immediate (acute) health hazard • Fire hazard.

RCRA	• Ethyl methacrylate, CAS# 97-63-2, RCRA Code: U118 • Characteristic of Ignitability, RCRA Code: D001
SARA Title III: Section 302	• Ethyl Methacrylate, CAS# 97-63-2, RQ (Lbs): 1000
SARA Title III: Section 304	• Ethyl Methacrylate, CAS# 97-63-2, RQ (Lbs): 1000
SARA Title III: Section 311-312	• Immediate (acute) health hazard • Fire hazard.
SARA Title III: Section 313:	None
TSCA Sectin 8(b): Inventory: TSCA Significant New Use Rule	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirement. None of the chemicals listed have a SNUR under TSCA

State Regulation:

CA Right-to-know	None
MA Right-to-Know law	Ethyl Methacrylate CAS #97-63-2
NJ Right-to-Know law	Ethyl Methacrylate CAS #97-63-2
PA Right-to-Know law	Ethyl Methacrylate CAS #97-63-2
MN Right-to-Know law	None
FL Right-to-Know law	Ethyl Methacrylate CAS #97-63-2

International Regulation:

CDSL: Canadian Inventory (on Canadian Transitional List)	Ethyl Methacrylate DSL regulatory status: Included, WHMIS: B2: flammable liquid D-2B:Toxic N,N-dimethyl-p-toluidine DSL regulatory status: Included, WHMIS: n/da Hydroxypropyl methacrylate DSL regulatory status: Included, WHMIS: D2B Tetraethylene glycol dimethacrylate, DSL regulatory status: Included, WHMIS: n/da
EINECS: European Inventory:	•HAZARD SYMBOLS: Xi, F: Irritant, Highly Flammable •RISK PHRASES: R11: highly flammable, R36/37/38: Irritating to eyes, respiratory system and skin, R43: May cause sensitization by skin contact •SAFETY PHRASES: S9: keep container in a well v entilated place, S16: keep away from sources of ignition- no smoking, S29: do not empty into drains, S33: take precautionary measures against static discharges, S36/37/39: wear suitable protective clothing, gloves and eye/face protection, S45: In case of accident or if you feel unwell, seek medical advise immediately (show the label where possible)

Section 16: Other Information

Hazardous Rating System NFPA: Health (1) Flammability (3) Reactivity (1)
HMIS: Health (1) Flammability (3) Reactivity (1)

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