

# Material Safety Date Sheet

## Section 1: Identification

### Product Name: Gel Base

Chemical Family: NA

Company's Name: *Le Chat Nail Care Products R&D*  
 Address: *228 Linus Pauling Drive, Hercules, CA 94547*  
 Business Telephone: *(510)741-9998* Emergency Telephone: *(800)535-5053*

## Section 2: Hazardous Ingredients

| Chemical Identity           | Cas No.   | EINECS #  | INCI Name     | Exposure Limits          | Carcinogen    | Wt.  |
|-----------------------------|-----------|-----------|---------------|--------------------------|---------------|------|
|                             |           |           |               | OSHA / ACGIH<br>TWA/STEL | IARC/NTP/OSHA |      |
| Acrylic Oligomer            | NE        | NE        | NE            | NE                       | not listed    | >60% |
| d-Camphoroquinone           | 2767-84-2 | 220-446-1 | NE            | NE                       | not listed    | <35% |
| Photoinitiator              | 119-61-9  | 204-337-6 | Benzophenone  | NE                       | not listed    | <5%  |
| 2-Hydroxyethyl Methacrylate | 868-77-9  | NE        | NE            | NE                       | not listed    | <15% |
| D&C Violet #2               | 81-48-1   | NE        | D&C Violet #2 | NE                       | not listed    | <1%  |
| Fragrance                   | NE        | NE        | NE            | NE                       | not listed    | <1%  |

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

**Hazard Symbols:** N/DA

**Risk phrases:** R20

**Safety phrases:** S24/25, S28A, S37, S45

## Section 3: Harzards Identification

### *Emergency Overview*

- \* May be slightly toxic
- \* May cause chemical burn in eye
- \* May cause moderate skin injury ( reddening & swelling)

### *Potential Health Effects, Signs and Symptons of Exposure:*

Primary Route of Entry: No specific information available

Eye: No specific information available. Contact may cause slight transient irritation.

Skin: No specific information available. Contains materials that may cause moderate skin injury (reddening & swelling) and/or sensitization. Prolonged contact may cause blister formation (burns). Since irritation may not occur immediately, contact can go unnoticed.

Ingestion: No specific information available. Contains materials that may be practically nontoxic

Inhalation: No specific information available. Low volatility makes vapor inhalation unlikely. Aerosol can be irritating

Sub-Chronic Effects: No specific information available. Limited tests showed no evidence of teratogenicity in animals.

A life time skin painting study with mice showed no evidence of carcinogenicity

## Section 4: Fire Fighting Measures

| Flash Point<br>(°F/°C)   | Flammabale Limit<br>(Vol %) | Auto-ignition Temperature<br>(Vol %) |
|--------------------------|-----------------------------|--------------------------------------|
| .212 °F/ 100°C Setaflash | N/DA                        | N/DA                                 |

Extinguishing Media : (x) CO2 (x) Dry Chemical for small fire. Use (x ) Aqueous foam (x) Water for large fire

Special Fire Fighting Procedures:

Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.

Unusual Fire and Explosion Hazards:

High temperature and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or container  
 Avoid the use of a stream of water to control fires since frothing can occur.

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## Section 5: First Aid Procedures

**Eye contact:** Flush eyes with a large amount of water for at least 15 minutes, including under eyelids. Seek medical attention

**Skin contact:** Remove contaminated clothing and wash contact area with soap and water for 15 minutes.

**Inhalation:** In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped administer artificial respiration and seek medical attention.

**Ingestion:** If swallow large amount, seek medical attention immediately.

## Section 6: Accidental Release Measures

Spontaneous polymerization can occur. Eliminate ignition sources. Use eye and skin protection. Place leaking containers in a well ventilated area. Absorb with inert material and dispose. Flush area with water, prevent washing from entering waterways

## Section 7: Handling & Storage

**Handling:** Avoid contact with skin and eyes. Avoid breathing vapor. Keep container closed when not in use. Avoid prolonged exposure to light. Remove all contaminated clothing, shoes, belts, and other leather goods immediately. Incinerate leather goods (including shoes). Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean skin because of increased penetration potential.

**Storage:** Store in cool, dry place away from heat and direct sunlight. Store at temperature below 100 °F

## Section 8: Exposure Controls & Personal Protective Equipment

**General:** For operations where contact can occur, use a face shield, impervious body covering and boots. A safety shower and eye wash facility should be available

**Eye & Face protection:** Chemical splash goggles

**Skin Protection:** Impervious gloves (Neoprene)

**Respiratory Protection:** When exposed to aerosols or vapors, use full face organic vapor cartridge respirator with particulate pre-filter.

## Section 9: Physical & Chemical Property

| Appearance        | Odor & Odor Threshold        | pH  | Specific Gravity            | Viscosity | % Volatile     |
|-------------------|------------------------------|-----|-----------------------------|-----------|----------------|
| Clear viscous gel | characteristic acrylate odor | N/A | (H <sub>2</sub> O=1) : 1.15 | N/DA      | by volme :<0.5 |

| Boiling Point<br>Freezing Point | Decomposition<br>Temperature | Octanol/Water<br>Partitioning<br>Coefficient | Vapor<br>Pressure      | Vapor<br>Density | Evaporation<br>Rate | Ignition | Solubility<br>in Water<br>(20 °C) |
|---------------------------------|------------------------------|--|------------------------|------------------|---------------------|----------|-----------------------------------|
| N/A                             | N/A                          | N/A  | (mm Hg)@<br>20 °C<0.01 | No Data          | No Data             | No Data  | Insoluble                         |

## Section 10: Stability & Reactivity

**Stability:** Stable

**Hazardous Decomposition Products:** Fumes produced when heated to decomposition may include: CO, CO<sub>2</sub>

**Conditions to Avoid:** Storage >100°F, expose to light, loss of polymerization inhibitor, contamination with incompatible materials

**Incompatibility (material to avoid):** Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases

**Hazardous Polymerization:** May occur, uncontrolled polymerization may cause rapid evolution of heat and increased pressure that could result in violent rupture of sealed storage vessels or containers.

## Section 11: Toxicological Information

| Acute Oral Toxicity | Acute Dermal Toxicity | Acute Inhalation Toxicity | Sub-Chronic Toxicity |
|---------------------|-----------------------|---------------------------|----------------------|
| N/DA                | N/DA                  | N/DA                      | N/DA                 |
|                     |                       |                           |                      |
| Irritation - Skin   | Irritation - Eye      | Sensitization             | Mutagenicity         |
| N/DA                | N/DA                  | N/DA                      | N/DA                 |

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## Section 12: Ecological Information

### Ecotoxicological Information

| Acute Toxicity<br>To Fish | Acute Toxicity<br>To Algae | Acute Toxicity<br>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

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the generators responsibility to determine what is classified as a hazardous waste. Comply with all federal, state, and local regulation. Material may be incinerated or use biological treatment in accordance with federal, state, and local regulations.

## Section 14: Transportation Information

DOT/UN shipping name: Non-hazardous, not regulated

## Section 15: Regulatory Information

### U.S. Federal Regulation:

|  |  |
|--|--|
| Clean Air Act: HAP/ODS                 | Benzophenone CAS #119-61-9 (HAP)<br>No ODS   |
| Clean Water Act: HS/Priority 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       | This product does not contains hazardous chemical under the OSHA Hazardous Communication Standard. Its hazards are:<br>Immediate ( acute) health hazard<br>Reactive hazard<br>Fire hazard  |
| RCRA                                   | This product contains no chemicals considered to be hazardous waste under RCRA ( 40 CFR 261)   |
| SARA Title III: Section 302            | This product contains no chemicals regulated under section 302 as extremely hazardous substances.  |
| SARA Title III: Section 304            | This product contains no chemicals regulated under section 304 as extremely hazardous chemicals for emergency release notification (CERCLA List)   |
| SARA Title III: Section 311-312        | This product contains hazardous substance under OSHA Hazardous Communication Standard and is regulated under section 311-312 (40 CFR 370)<br>Its hazards are: None<br>Immediate ( acute) health hazard: None<br>Reactive hazard<br>Delay (chronic) health hazard |
| SARA Title III: Section 313:           | None   |
| TSCA Sectin 8(b): Inventory:           | This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirement.  |

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### State Regulation:

|                      |                          |
|----------------------|--------------------------|
| CA Proposition 65    | None                     |
| MA Right-to-Know law | None                     |
| NJ Right-to-Know law | None                     |
| PA Right-to-Know law | None                     |
| FL Right-to-Know law | None                     |
| MN Right-to-Know law | Benzophenone CAS119-61-9 |

### International Regulation:

|                             |  |
|-----------------------------|--|
| CDSL: Canadian Inventory    | Benzophenone CAS119-61-9   |
| EINECS: European Inventory: | Hazard symbol: N/DA<br>Risk Phrases: R20 Harmful by inhalation<br>Safety Phrases: S24/25 Avoid contact with skin and eyes. S28A After contact with skin, wash immediately with plenty of water, S37 Wear suitable protective gloves, S45 In case of accident, or if you feel unwell, seek medical attention immediately. |

### Section 16: Other Information

Hazardous Rating System

NFPA: Health (2) Flammability (1) Reactivity (2)

HMIS: Health (2) Flammability (1) Reactivity (2)

Update: 1/1/2003

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