

Material Safety Date Sheet

Section 1: Identification

Product Name: Nobility Competition Gel - Soak Off Formula - Clear Gel

Chemical Family: NA

Company's Name: *Le Chat Nail Care Products R&D*
Address: *232 South 1st. Street, Richmond, CA 94804*
Business Telephone: *(510)232-0999* Emergency Telephone: *(800)535-5053*

Section 2: Hazardous Ingredients

Chemical Identity	Cas No.	EINECS #	INCI Name	Exposure Limits	Carcinogen	Wt.
				OSHA / ACGIH TWA/STEL	IARC/NTP/OSHA	
Polyurethane Acrylate Oligomer	Exempt	NE	Polyurethane Acrylate Oligomer	NE	not listed	≤ 70%
2-Hydroxyethyl Methacrylate	868-77-9	212-782-2	HEMA	NE	not listed	≤ 10%
Hydroxyethyl Methacrylate	27813-02-1	248-666-3	Hydroxyethyl Methacrylate	NE	not listed	≤ 10%
Isobornyl Methacrylate	7534-94-3	231-403-1	Isobornyl Methacrylate	NE	not listed	≤ 8%
Hydroxycyclohexyl Phenyl Ketone	947-19-3	213-426-9	Hydroxycyclohexyl Phenyl Ketone	NE	not listed	≤ 1%
D&C Violet #2	81-48-1	NE	CI 60725	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: Xi

Risk phrases: R22, R36/38, R43

Safety phrases: S18, S24/25, S36/37, S38

Section 3: Harzards Identification

Emergency Overview

- * May be slightly toxic
- * May cause eye irritation
- * 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: 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 5: Fire Fighting Measures

Flash Point (°F/°C)	Flammabile Limit (Vol %)	Auto-ignition Temperature (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

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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.

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. Most acrylic monomers have low viscosities, thus only needing room temperature conditions to facilitate proper pouring techniques. However, viscous type gels such as these may require heating to facilitate proper pouring techniques. To ensure that this happens, products may be heated to 140 °F/ 60°C for not more than 24 hours. Do not use localized heat sources such as band heaters to heat/melt product. Do not use steam. Hot boxes or hot rooms are recommended for heating/melting material. The hot box and/or room should only be set to a maximum temperature of 140 °F/ 60°C. Do not overheat, this may compromise product effectiveness. Refrain from multiple reheating of product, this will also diminish the quality of the product.

Storage: Product is extremely light sensitive. If exposed to natural light or UV light, material will cure very quickly. Store in a cool, dry place, away from heat and all types of light. Store at temperature below 100°F/38°C but above the product's freezing point. If no freezing point is given, keep above 32°F/0°C at all times.

Section 8: Exposure Controls & Personal Protective Equipment

General: To identify Personal Protective Equipment (PPE) requirements, it is recommended that a hazardous assessment in accordance with the OSHA PPE Standard (29CFR1910.132) or European Standard EN166 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 suite. Nitrile rubber is better than PVC

Eye & Face protection: Chemical splash goggles

Skin Protection: Impervious gloves (Neoprene)

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 exposure limits. Protection provided by nuisance level organic vapor dust masks can be used, however the use of the respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149

Section 9: Physical & Chemical Property

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

Boiling Point Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solubility in Water (20 °C)
N/A	N/A	N/A	(mm Hg)@ 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, CO₂

Conditions to Avoid: Storage >100°F/38°C, 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

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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

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

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	No ODS's.
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 is considered to be hazardous chemical under the OSHA Hazardous Communication Standard. Its hazards are: Immediate (acute) health hazard Reactive hazard Delay (chronic) Health 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) Its hazards are: None Immediate (acute) health hazard: None Reactive hazard 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

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complies with TSCA premanufacture notification requirement.

State Regulation:

CA Right-to-know	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	None

International Regulation:

CDSL: Canadian Inventory	Hydroxypropyl methacrylate CAS# 27813-02-1. WHMIS = D2B Hydroxycyclohexyl phenyl ketone CAS #947-19-3. WHMIS = n/da 2-Hydroxyethyl methacrylate CAS # 868-77-9. WHMIS = n/da Isobornyl Methacrylate CAS # 7534-94-3. WHMIS = n/da
EINECS: European Inventory:	Hazard symbol: Xi: Irritant Risk Phrases: R22: harmful if swallowed, R36/38: irritating to eyes and skin R43: may cause sensitization by skin contact. Safety Phrases: S18: handle and open container with care, S24/25: avoid contact with skin and eyes, S36/37: wear suitable protective clothing and gloves, S38: in case of insufficient ventilation, wear suitable respirator equipment.

Section 16: Other Information

Hazardous Rating System

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

Update: 1/1/2007

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