

Material Safety Data Sheet

PrimeBond

Section 1: Identification

Product Name: Nobility PrimeBond

Chemical Family: Ethyl Acetate, Isopronano

UN #: 1993

Packing Group: II

Hazard Class: 3

Manufacturer'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

Material	Cas No.	EINECS #	INCI Name	Exposure Limits	Caricinogen	Wt
				OSHA / ACGIH		
Isopropyl Alcohol	67-63-0	200-661-7	Isopropyl Alcohol	400 ppm	Not Listed	≤ 70%
Ethyl Acetate	141-78-6	150-76-5	Ethyl Acetate	400 ppm	Not Listed	≤ 20%
Isobutyl Acetate	110-19-0	203-745-1	Isobutyle Acetate	150 ppm	Not Listed	≤ 10%
FD & C #6	5858-81-01	NE	CI 15850	NE	Not Listed	≤ 1%
Fragrance	NE	NE	NE	NE	Not Listed	≤ 1%

Hazardous Symbol: Xn, F Risk Phrases: R11, R20/22, R36/37/38 Safety Phrases: S7/9, S16, S24/25, S33, S37/39, S45

Hazardous Material Identification System Ratings (HMS)

HMS Rating Scale : 0=minimal 1=slight 2=moderate 3=serious 4=severe

This product's rating: Health=2 Reactivity=0 Flammability=3

Section 3: Harzards Identification

Emergency Overview

- * Flammable liquid & vapor
- * May cause skin irritation
- * May cause moderate skin injury (reddening & swelling)
- * Avoid prolonged or repeated breathing of vapors or mist

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry: Inhalation, skin, ingestion

Eye: 1 Vapors are irritating to the eyes, splashes may cause severe irritation, with stinging, tearing, redness and pain with possible corneal damaged

Skin: 1 Repeated and prolonged contact may cause drying of skin. Symptoms include redness, burning, drying, cracking of skin.

Ingestion: 1 Swallowing a small amount during normal handling is not likely to cause harmful effects, swallowing large amount can be harmful. Material may be getting inot lungs during swallowing or vomitting

Inhalation: 1 Vapors are irritating to nasal passage, and throat and may cause stupar or headache. Symptoms usually occur when air concentration is higher than recommended exposure limits.

Sub-Chronic Effects: Significant exposure to this chemical may adversely effect people with chronic disease or may cause damage to the respiratory system, skin, and eyes.

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. Seek medical attention

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 individual feels drowsy or unconscious, do not give anything by mouth, place individual on leftside with head down. seek medical attention immediately.

Section 5: Fire Fighting Measures

Flash Point (°F/°C)	Flammabale Limit (Vol %)	Auto-ignition Temperature (Vol %)
62 °F/ 20°C Setaflash	LEL: 2%, UEL: 11.4 %	N/DA

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

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. Fight fire from a safe distance and protected area

Unusual Fire and Explosion Hazards: Flammable. When expose to spark or flame, material is fire explosion hazard. Vapor is heavier than air and travel consideration distance to source of ignition and flash back. Material can create special hazard if it floats on water.

Section 6: Accidental Release Measures

Spill or release procedures

Eliminate all source of heat and ignition. Use absorbent material for spill and dike it. Wash spilled material into retaining containers. Place containers in a well ventilated area. Consult expert on disposal and recovered material to ensure conformity to local disposal regulations. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparkling tools and equipment. Collect liquid in a appropriate container or absorb with 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 regulation (CERCLA) require reporting spills and releases to soil , water and air in excess of reportable quantities. The toll free number for Coast Guard National Response Center is (800-424-8802. EU Regulations require the consultation and Directive 94/28 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 exposures.

Section 7: Handling & Storage

Handling: Closed containers exposed to temperature above (120°F) in transit or storage may develop vapor pressure. Open container slowly
Ground all metal containers when transferring material. Wash face and hands thoroughly with soap and water after handling and before eating, drinking or smoking.

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

Exposion Hazard: Flammable liquid. Never use welding or cutting torch on or near drum (even it's empty), residue of product can ignite explosively.

Section 8: Exposure Controls & Personal Protective Equipment

General: It is recommended to conduct a hazard assessment in accordance with OSHA PPE Standard (29CFR1910.132), or European Standard EN166 before handling 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: Use chemical splash goggles

Skin Protection: Impervious gloves, apron, boots, or whole body suite. (neoprene or Nitrile)

Respiratory Protection: A NIOSH/MSHA approved air purifyin respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Section 9: Physical & Chemical Property

Appreance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Clear viscous gel	Fruity, Pungent Mix odor	N/A	(H2O=1) : 1.15	N/DA	W/W %: 99+

Boiling Point Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solubility in Water (20 °C)
77 °C	N/DA	N/DA	73mm Hg @ 20 °C	(Air = 1): 3:00	(Butyl Acetate=1) 4.5	No Data	8.70%

Section 10: Stability & Reactivity

Stability: Stable

Hazardous Decomposition Products Carbon Monoxide

Conditions to Avoid: Heat, Flames, ignition sources, imcompatibles.

Incompatibility (material to avoid): Oxidizing Agent i.e.

Hydrogen peroxides, Nitric Acid, Perchloric Acid, Chromium Trioxide

Hazardous Polymerization: Will not occur

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Section 11: Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - Skin
Mouse: LD50 = 3600 mg/kg	N/DA	Rate = 1030 ug/m3/16W	Rabbit: LD50 = 12800 mg/kg
Sub-Chronic Toxicity	Irritation - Eye	Sensitization	Mutagenicity
N/DA	N/DA	N/DA	Rate = 1030 ug/m3/16W

Section 12: Ecological Information

Ecotoxicological Information

Acute Toxicity To Fish	Acute Toxicity To Invertebrates	Bioconcentration	Acute Toxicity To Algae	Toxicity to Sewage Bacteria
The LC50/96 - hour values for fish are over 100 mg/l	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	When release into the soil, this material is expected to quickly evaporate. It may leach into groundwater. It may biodegrade to moderate extent. When released to water, this material is expected to quickly evaporate. It is expected to have a half-life between 1 and 10 days. It may be biodegrade to moderate extent. And it is not expected to significantly bioaccumulate.
Chemical Oxygen Demand	N/DA

Section 13: Disposable Considerations

Dispose of diking materials and absorbent in compliance with State, Local, Federal regulations. Residual vapors may explode on ignition, do not cut drill, or weld on or near 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 and unused contents in accordance with federal, state, and local requirement. For EU Member states, refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind user that national or regional provisions may in in force.

Section 14: Transportation Information

DOT (49 CFR 172)

Proper Shipping Name: Flammable Liquids, n.o.s. (ethyl acetate, isopropyl alcohol) UN 1993, Class 3, Group II

Section 15: Regulatory Information

U.S. Federal Regulation:

Clean Air Act: HAP/ODS	NO ODS
Clean Water Act: HS/Priority Pollutant	The following ingredients are listed as hazardous pollutants under the CWA: * Isobutyl Acetate, CAS # 110-19-0 None of the ingredients are listed as primary pollutants nor are they listed as toxic pollutants
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: Immediate (acute) health hazard Fire hazard
RCRA	This product contains no chemicals considered to be hazardous waste under RCRA (40 CFR 261) *Ethyl Acetate CAS# 141-78-6, RCRA Code: U112 *Characteristic of Ignitability, RCRA Code: D001
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 chemicals regulated under Section 304 as extremely

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	hazardous chemicals for emergency release notification("CERCLA" List): Ethyl Acetate CAS #141-78-6, RQ (Lbs) 5000 Isobutyl Acetate CAS # 110-19-0, RQ (lbs) 5000
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: Immediate (acute) health hazard: None Fire hazard
SARA Title III: Section 313:	This products contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: Isopropyl Alcohol CAS #67-63-0
TSCA Sectin 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirement.

State Regulation:

CA Right-to-know Law:	Ethyl Acetate CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Isobutyl Acetate CAS#110-19-0
MA Right-to-Know law	Ethyl Acetate CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Isobutyl Acetate CAS#110-19-0
NJ Right-to-Know law	Ethyl Acetate CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Isobutyl Acetate CAS#110-19-0
PA Right-to-Know law	Ethyl Acetate CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Isobutyl Acetate CAS#110-19-0
FLRight-to-Know law	Ethyl Acetate CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Isobutyl Acetate CAS#110-19-0
MN Right-to-Know law	Ethyl Acetate CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Isobutyl Acetate CAS#110-19-0

International Regulation:

CDSL: Canadian Inventory	Ethyl Acetate CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Isobutyl Acetate CAS#110-19-0
EINECS: European Inventory:	Hazard symbol: Xn, F: Harmful, Highly Flammable Risk Phrases: R11, Highly Flammable, R20/22: Harmful by inhalation and if swallowed R36/37/38: Irratating to eyes, respiratory system and skin Safety Phrases: S7/9: Keep container tighly closed and in a well ventilated place, S16: keep away from sources of ignition-no smoking, S24/25: avoid contact with skin and eyes, S33: Take precautionary measures against static discharge, S37/39: Wear suitable gloves and eye/face protection, S45: In case of acident or if you feel unwell, seek medical advise immediately (show the label where possible)

Section 16: Other Information

Hazardous Rating System	NFPA: Health (2) Flammability (3) Reactivity (0)
	HMIS: Health (2) Flammability (3) Reactivity (0)

Update: 1/1/2007

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