

MATERIAL SAFETY DATA SHEET

SECTION I Chemical Product and Company Identification

Trade Name Appearing on Label: **Orly Gel FX Nail Lacquer** Chemical Family: Nitrocellulose Lacquer

Manufacturer/Distributor/Importers: Orly International, Inc.
7710 Haskell Ave
Van Nuys, CA 91406

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Emergency Phone: (800) 424-9300
Business Phone: (818) 994-1001

Poison Control Center - CHEMTREC: (800) 424-9300
Poison Control Center - CHEMTREC International: (703)527-3887

SECTION II Potentially Hazardous Ingredients

Chemical Identity	%	CAS Number	OSHA (PEL)	Exposure Limits in Air	
				ACGIH (TLV)	Other
Polyurethane Acrylate Oligomer	50-60	Exempt	N/E	N/E	N/A
2-Hydroxyethyl Methacrylate	5-10	868-77-9	N/E	N/E	N/A
Hydroxypropyl Methacrylate	5-10	27813-02-1	N/E	N/E	N/A
Polyethylene Glycol 400 Dimethacrylate	1-6	25852-47-5	N/E	N/E	N/A
Isopropyl Alcohol	0-3	67-63-0	400ppm	400ppm	N/A
n-Butyl Acetate	0-3	123-86-4	150ppm	150ppm	N/A
Ethyl Acetate	0-3	141-78-6	400ppm	400ppm	N/A
Hydroxycyclohexyl Phenyl Ketone	1-2	947-19-3	N/E	N/E	N/A

SECTION III Hazard Identification

HMIS Rating Scale: 0 = Minimal 1 = Slight 2 = Moderate 4 = Severe

This Products Rating: Health: 2 Flammability: 3 Reactivity: 1

Material Appearance: slightly viscous liquid, various colors.

Primary Route of Entry: Inhalation Skin X Ingestion X

Ingredient(s) Listed as Cancer Causing Agents?:
NTP - no LARC Monographs - no OSHA - no

Target Organs Affected: n/a when used as directed

Ingestion: Contains materials that may be practically non toxic.

Eyes: Eye contact may cause slight irritation.

Skin: Exposure may cause moderate skin irritation. Contains materials that may cause reddening & swelling and/or sensitization. Prolonged contact may result in blister formation (burns). Irritation may not occur immediately and can go unnoticed.

Signs and Symptoms of Over-Exposure: No information available

Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing skin disorders may be more susceptible to irritation by this material.

SECTION IV **First Aid Measures**

Eye Contact: Flush eyes with large amounts of water for at least fifteen minutes. If irritation persists, contact a physician.

Skin Contact: Wash exposed area with soap and water for 15 minutes.

Inhalation: In case of exposure to a high concentration of vapor, move person away from source of exposure and into fresh air. Give oxygen if breathing is labored. Contact a physician immediately.

Ingestion: Seek medical attention. If person is drowsy, remove to fresh air. Only induce vomiting if directed by physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs.

SECTION V **Fire Fighting Measures**

Flash Point: 22°C (71°F), Method Setaflash

Flammable Limits in Air % - No Data

Extinguishing Media: Water Spray: X (large fire) Dry Chemical: X (small fire)
Carbon Dioxide: X (small fire) Foam: X (large fire)

Fire Fighting Procedure: Approach fire from upwind side. Avoid breathing smoke, fumes, mist or vapors. Fire fighters wear protective clothing and self-contained breathing apparatus.

Unusual Fire and/or Explosion Hazards: High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and cause storage vessels or containers to rupture violently. Avoid the use of a stream of water to control fires since frothing can occur.

SECTION VI **Accidental Release Measures**

Spill and Leak Procedures: Stop leak if it can be done without risk.
Confine Spillage. Use absorbent material. Place into disposal drums.
Dispose according to local, state and federal regulations.

SECTION VII

Handling and Storage

Handling: Avoid eye contact. Avoid repeated or prolonged skin contact.
 Avoid breathing mist or vapors. Use only in well ventilated area.
 Unvented containers may develop pressure. Open container with caution.

Storage: Keep containers cool and away from sources of ignition.
 Keep containers tightly closed when not in use..
 Do not store at temperatures above 35 C.
 Do not store near heat, flame, sparks or any other sources of ignition.

SECTION VIII

Exposure Controls and Personal Protection

When using this product in small quantities in beauty salons, the use of a fan is recommended.

When working with large quantities:

Personal Protective Equipment (PPE)

Eyes and Face: Face shield with safety glasses or safety goggles
 Skin: Rubber or neoprene gloves. Wear additional clothing to protect the skin.

Engineering Controls:

Closed system Filling Equipment. Use ventilation or exhaust during operations to control exposure of vapors.

SECTION IX

Physical and Chemical Properties

Water Solubility: Nil	Specific Gravity: (H ₂ O = 1): 1.15
Appearance: Various colored liquid	Vapor Pressure (mm Hg): <0.01 mm @ 20 C
Physical Form: viscous Liquid	Vapor Density (air = 1): n/a
Odor: characteristic acrylate odor	Evaporation Rate n/a
%/Wt. Volatiles: < 10%	Flashpoint: 22°C/71°F
Boiling Point: n/a	Flammable Limits: No information Available
Boiling Range: n/a	
Melting Point: r n/a	
pH: n/a	

SECTION X

Stability and Reactivity

Chemical Stability: This product is stable under the recommended storage conditions.

Conditions to Avoid: Storage in temperatures above 38 C. Keep away from any ignition sources.
 Storage >38°C/100°F , exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

Contact with Materials to Avoid: Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases.

Hazardous Decomposition Products: Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.

Hazardous Polymerization:

May occur -- Uncontrolled polymerization may cause rapid generation of heat and increased pressure that could result in storage vessels violently rupturing.

SECTION XI Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation toxicity	Irritation- skin	Irritation- eye
No Information available	No Information available	No Information available	No Information available	No Information available

The product should be handled with care when dealing with chemicals.

Sensitization
N/DA

Mutagenicity
N/DA

Sub-chronic Toxicity
N/DA

SECTION XII Ecological Information

Ecotoxicity No information available

SECTION XIII Disposal Considerations

Waste Disposal: Dispose of absorbed material in accordance with local, state and federal regulations.

SECTION XIV Transport Information

Road Transport:

UN Number: UN1993
 Class: 3
 Packaging Group: II
 Label: PAINT
 Special Provisions: T8, T31

Maritime Transport:

UN Number: 1993
 Class: 3.2
 Packaging Group: II
 Label: PAINT
 Flash Point: 22° C (71 F)
 Marine Pollutant: No
 Special Provisions: None

Air Transport:

UN Number: 1993
 Class: 3
 Packaging Group: II
 Label: PAINT
 Special Provisions: None

SECTION XV**Regulatory Information**

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.

RCRA: This product contains chemicals considered to be hazardous waste under RCRA (40 CFR 261):
• Ethyl Acetate CAS# 141-78-6, RCRA Code U112

SECTION XVI**Labeling according to EEC-Directives- 1999/45/EC**

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 respiratory equipment.

SECTION XVII**Other Information**

EU Classes and Risk / Safety Phrases for Ingredients from Section 2:

Hazard Symbol: Xi - Irritants
F - Flammable

Risk Phrases:

R10 – Flammable; R11 – Highly Flammable; R36 – Irritating to eyes; R43 - May cause sensitization by skin contact;
R66 – Repeated; exposure may cause skin dryness and cracking; R67 – Vapors may cause drowsiness and dizziness,
R36/37/38 - Irritating to eyes, respiratory system and skin; R36/38 - Irritating to eyes and skin

Safety Phrases:

S2 Keep out of the reach of children; S3/7 Keep container tightly closed in a cool place; S7 Keep container tightly closed;
S16 Keep away from sources of ignition – No smoking; S24/25 Avoid contact with skin and eyes; S26 In case of contact with
eyes, rinse immediately with plenty of water and seek medical advice; S27 Take off immediately all contaminated clothing;
S28 After contact with skin, wash immediately with plenty of water; S29 Do not empty into drains; S30 Never add water
to this product; S33 Take precautionary measures against static discharges; S35 This material and its container must be
disposed of in a safe way; S36 Wear suitable protective clothing; S36/37 Wear suitable protective clothing and gloves;
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

May Contain the following: (See Section 2)

Polyurethane Acrylate Oligomer: Hazard Symbol: Xi Risk Phrases: R36/37/38 Safety Phrases: S14, S3/7, S62

2-Hydroxyethyl Methacrylate: Hazard Symbols – Xi Risk Phrases – R36/38, R43 Safety Phrases: S2, S26, S28

Hydroxypropyl Methacrylate: Hazard Symbol: Xi Risk Phrases: R36/37/38, R43 Safety Phrases: S26, S36/37

Polyethylene Glycol 400 Dimethacrylate: Hazard Symbol – N/A Risk Phrases – R36/37/38 Safety Phrases – S26, S36/37

Isopropyl Alcohol: Hazard Symbol – F, Xi Risk Phrases – R11, R36, R37 Safety Phrases – S2, S7, S16, S24/25, S26

n-Butyl Acetate: Hazard Symbol: F, Xi Risk Phrases: R10, R66, R67 Safety Phrases: S2, S25

Ethyl Acetate: Hazard Symbol – F, Xi Risk Phrases – R11, R36, R66, R67 Safety Phrases – S2, S16, S26, S33

TPO: Risk Phrases- R99, Safety Phrases- N/A

IMPORTANT NOTICE: The information presented herein is based on experimental data submitted by the manufacturers of the raw materials and is considered scientifically correct, however, no warrant or representation, express or implied, is made as to the accuracy or suitability of this information for application to the purchaser's intended purpose or for consequences of its use. Use these materials only as directed. If you have any questions regarding the proper interoperation of this sheet or the meaning of any terms used, we strongly urge you to speak with your physician. For further information concerning product safety and proper use, call the number listed on the front of the MSDS.

*These Products Are Designed and Formulated for Professional Salon Use.
They Must be Used with Adequate Ventilation and in Accordance with Manufacturers Instructions.*

Abbreviations Used:

NE = Not Established

NKn = Not Known

n/a = Not Applicable

C = Ceiling Limit

TS = Trade Secret

EST = Estimated

N/DA = No Data Available

NTP = National Toxicology Program

IRAC = International Agency for Research on Cancer

CHEMTREC = Chemical Transportation Emergency Center

OSHA = Occupational Safety and Health Administration

IPA = Isopropyl Alcohol (Rubbing Alcohol)

mm Hg = Millimeters of Mercury

PEL = Permissible Exposure Limit

TLV = Threshold Limit Value

STEL = Short Term Exposure Limit

NEGL = Negligible

NF = None Found

CAS = Chemical Abstract Service Number

NR = Not Required