

MATERIAL SAFETY DATA SHEET

SECTION I Chemical Product and Company Identification

Trade Name Appearing on Label: **Gel FX
3-1 Cleanser** Chemical Family: Toiletries

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

Emergency Phone: (800) 424-9300 Prepared by: Dan Werner
Business Phone: (818) 994-1001 Sr. R&D Chemist
6/6/2011

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
Hazardous Materials:					
Isopropyl Alcohol	90 - 95%	67-63-0	400 ppm	400 ppm	n/a
Acetone	5- 10%	67-64-1	750 ppm	750 ppm	n/a
Ethyl Acetate	5- 10%	141-78-6	400 ppm	400 ppm	n/a

SECTION III Hazard Identification

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

This Products Rating: Health: 1 Flammability: 3 Reactivity: 0

Material Appearance: Clear and Colorless liquid

Primary Route of Entry: Inhalation X Skin X Ingestion X

Ingredient(s) Listed as Cancer Causing Agents?:

NTP - no LARC Monographs - no OSHA - no

Target Organs Affected: none

Short Term Effects:

Inhalation: may cause dizziness if inhaled for a prolonged time

Eyes: may cause stinging if product gets into open eyes.

Skin: may cause dry skin if exposed repeatedly and over a prolonged period of time.

Signs and Symptoms of Over-Exposure: may cause dizziness

Medical Conditions Generally Aggravated by Exposure: none known

SECTION IV **First Aid Measures**

Eye Contact: Flush eyes with large amounts of warm water.

Skin Contact: Wash with soap and water.

Inhalation: If dizziness occurs, remove person to fresh air.

Ingestion: Do not induce vomiting unless authorized by Medical Personnel. Call 911 Immediately.

SECTION V **Fire Fighting Measures**

Flash Point: Approx 7°C- 10°C

Flammable Limits in Air % - LEL: 1, **UEL:** 13

Extinguishing Media: Water Spray X Dry Chemical X _
Carbon Dioxide X_ Foam X_

Fire Fighting Procedure: Douse with plenty of water and/or use alcohol-resistant foam.

SECTION VI **Accidental Release Measures**

Spill & Leak Procedures: Collect with absorbent material and place into trash container.

SECTION VII **Handling and Storage**

Handling: Use a fan or exhaust when handling open containers.

Storage: Store at room temperature. Keep containers closed when not in use.

SECTION VIII **Exposure Controls and Personal Protection**

Use a fan or exhaust when working with open containers. Keep away from Heat and open flame.

SECTION IX **Physical and Chemical Properties**

Water Solubility: Soluble

Appearance: Clear liquid

Physical Form: liquid

%/Wt. Volatiles: 98 - 99.99 %

pH: 3.8 - 4.4

Odor: Isopropyl Alcohol and Acetone

Specific Gravity: (H₂O = 1): 0.87 - 0.78

Boiling Range: 72 - 75°C

Melting Point: n/a

Vapor Pressure (mm Hg): NE

Vapor Density: NE

Evaporation Rate: (Acetone = 1) 1

Flashpoint: (Acetone) 7°C - 10°C, closed cup

SECTION X Stability and Reactivity

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

Conditions to avoid: Storage in temperatures above 35 C.

Contact with Materials to avoid: n/a

Hazardous Decomposition Products: Oxides of Carbon

Hazardous Polymerization: will not occur.

SECTION XI Toxicological Information

LD50(Oral Rat)	LC50 (Inhal. Rat)
n/a	n/a

Ingestion: May cause headache
Eyes: This product may be a temporary eye irritant if it gets into the open eye.
Dermal: May cause dry skin if exposed repeatedly and over a prolonged time.
Inhalation May cause dizziness if exposed for a prolonged time
Overexposure: all of the above
Chronic Effects: n/a
Carcinogenicity: Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH
Target Organs: n/a

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:		Maritime Transport:	
UN Number:	UN1993	UN Number:	UN1993
Class:	3	Class:	3
Packaging Group:	II	Packaging Group:	II
Label:	ORM-D*	Label:	Isopropanol

*1 liter or less. >1 Liter = "Isopropanol"

Air Transport:
 UN No. UN1993
 Class: 9
 Packaging Group: II
 Packaging instr.: 910 (passenger)

SECTION XV Laboratory Information

Labeling:

Symbol: F

Indication of Danger: Flammable

Risk Phrases: Flammable

SECTION XVI Other Information

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and Formulated for Professional Salon Use.

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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

MATERIAL SAFETY DATA SHEET

Page 1 of 5

SECTION I**Chemical Product and Company Identification**Trade Name Appearing on Label: **Orly Gel FX Orly Gel FX Ultrabond Primer** Chemical Family:Nail Primer

Manufacturer/Distributor/Importers: Orly International, Inc. Prepared by: Dan Werner
 7710 Haskell Ave Sr. R&D Chemist
 Van Nuys, CA 91406 2/23/2011

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
Ethyl Acetate	80-85	141-78-6	400ppm	400ppm	n/a
2,2-bis-(4-(2-hydroxy-3-methacryloxypropoxy)BISGMA	5-10	1565-94-2	N/E	N/E	n/a
2-Hydroxy ethyl methacrylate	5-10	868-77-9	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: Clear Liquid

Primary Route of Entry: Inhalation X 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: Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful.

Eyes: Over-exposure causes eye irritation. Symptoms include stinging, redness and swelling.

Skin: Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying, cracking, and skin burns.

Inhalation: Vapor and mist are irritating to mucous membranes. Breathing small amounts during routine handling is unlikely to cause harm. Breathing large amounts may be harmful. Symptoms usually occur at higher air concentrations than the recommended exposure limits.

Signs and Symptoms of Over-Exposure: May cause headaches, nausea, vomiting and narcotic effect

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: If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Seek medical attention for advice about whether to induce vomiting. If possible, do not leave individual unattended.

SECTION V **Fire Fighting Measures**

Flash Point: TAG Closed: -3.3°C (26°F),

Flammable Limit (vol%): 400ppm

Extinguishing Media:	Water Spray X	Dry Chemical X
	Carbon Dioxide	Foam X

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing. Water spray may be used to keep fire-exposed containers cool but is ineffective in fighting the fire. Fight fire from a safe distance.

Unusual Fire and/or Explosion Hazards: Flammable. When exposed to heat and flame, material is a fire explosion hazard. It may produce toxic products CO, carbon dioxide. Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

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): 0.92
Appearance: Clear liquid	Vapor Pressure (mm Hg): n/a
Physical Form: liquid	Vapor Density (air = 1): 1
Odor: ester like odor	Evaporation Rate n/a
%/Wt. Volatiles: 50+	Flashpoint: TAG Closed: -3.3°C (26°F)
Boiling Point: n/a	Flammable Limits: 400ppm
Boiling Range: n/a	
Melting Point: n/a	
pH: n/a	

SECTION X Stability and Reactivity

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

Conditions to Avoid: Heat, flame, ignition sources.

Contact with Materials to Avoid: Avoid oxidizing agents, acids & bases (heat)

Hazardous Decomposition Products: Heated material produces NO₂, CO₂, CO

Hazardous Polymerization: May occur

SECTION XI Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation toxicity	Irritation- skin	Irritation- eye
Oral LD50 (rat) 4.0-6.0g/kg	Dermal LD50 (rabbit) >20mL/kg	Inhalation LC50 (rat): 3500-8000ppm/ 4 hours	Rabbit: Slight	Rabbit: Slight

This product contains a mixture of active components, the primary toxicological information is derived from the acetates. The product should be handled with care when dealing with chemicals.

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/DA	E.Coli: DNA Damage: 20mol/L	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:		Maritime Transport:	
UN Number	UN1993	UN Number:	UN1993
Class:	3	Class:	3.2
Packaging Group:	II	Packaging Group:	II
Label:	Flammable Liquid, n.o.s.,(Ethyl Acetate)	Label:	Flammable Liquid, n.o.s.,(Ethyl Acetate)
Special Provisions:	T8, T31	Flash Point:	-3.3°C
		Marine Pollutant:	No
		Special Provisions:	None
Air Transport:			
UN Number:	UN1993		
Class:	3		
Packaging Group:	II		
Label:	Flammable Liquid, n.o.s.,(Ethyl Acetate)		
Packaging Instructions:	A3		

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 CFR261):
• Ethyl Acetate CAS# 141-78-6, RCRA Code U112

SECTION XVI Other Information

Hazard Symbol: XI- Irritants
F- Flammable

Risk Phrases: **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.

Safety Phrases: **S16:** keep away from sources of ignition- no smoking, **S26:** in case of contact with eyes, rinse immediately, **S28A:** after contact with skin, wash immediately with plenty of water, **S33:** take precautionary measures against static discharges, **S36/37:** Wear suitable protective clothing and gloves.

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

Risk Phrases:

R11 Highly flammable; **R36** Irritating to eyes; **R36/38** Irritating to eyes and skin **R43** May cause sensitization by skin contact;
R66 Repeated exposure may cause skin dryness or cracking; **R67** Vapors may cause drowsiness and dizziness

Safety Phrases:

S16: keep away from sources of ignition- no smoking, **S26:** in case of contact with eyes, rinse immediately,
S28A: after contact with skin, wash immediately with plenty of water, **S33:** take precautionary measures against static discharges, **S36/37:** Wear suitable protective clothing and gloves.

May Contain the following: (See Section 2)

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

2,2-bis-(4-(2-hydroxy-3-methacryloxypropoxy)BIS-GMA: Hazard Symbols – N/E Risk Phrases – N/E Safety Phrases – N/E

2-Hydroxy ethyl methacrylate: Hazard Symbols – Xi Risk Phrases – R36/38, R43 Safety Phrases – S2, S26, S28

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Abbreviations Used:

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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

MATERIAL SAFETY DATA SHEET

SECTION I Chemical Product and Company Identification

Trade Name Appearing on Label: **Orly Gel FX Base Coat** Chemical Family: UV Gels

Manufacturer/Distributor/Importers: Orly International, Inc. Updated by: Dan Werner
 7710 Haskell Ave Sr. R&D Chemist
 Van Nuys, CA 91406 1/24/2013

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
Hydroxycyclohexyl phenyl ketone	0-1	947-19-3	N/E	N/E	N/A
D&C Violet #2	0-1	81-48-1	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: 1 Reactivity: 1

Material Appearance: Clear to slight violet, viscous liquid

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: Exposure of liquid may cause eye irritation.

Skin: Exposure may cause moderate skin irritation. Contains materials that may cause reddening & swelling and/or sensitization. Prolonged contact may cause blister formation (burns). Since irritation may not occur immediately, contact 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: 100°C (212°F), Method Seta flash

Flammable Limits in Air % - No Data

Extinguishing Media:	Water Spray X	Dry Chemical X
	Carbon Dioxide X	Foam X

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 the violent rupture of storage vessels or containers. 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: (H2O = 1): 1.15
Appearance: Clear to Slight Violet	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: <0.5	Flashpoint: 100°C/212°F
Boiling Point: n/a	
Boiling Range: n/a	
Melting Point: 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 evolution of heat and increased pressure that could result in violent rupture of sealed storage vessels or containers.

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 primary toxicological information is derived from the oligomers. The product should be handled with care when dealing with chemicals.

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/DA	N/DA	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:		Maritime Transport:	
UN Number	Non-Regulated Material	UN Number:	Non-Regulated Material
Class:	N/A	Class:	N/A
Packaging Group:	N/A	Packaging Group:	N/A
Label:	N/A	Label:	N/A
		Flash Point:	>100°C (212°F)

Air Transport:	
UN Number:	Non-Regulated Material
Class:	N/A
Packaging Group:	N/A
Label:	N/A

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.

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

Hazard Symbol: XI- Irritants

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 - irritant

Risk Phrases:

R36/37/38 Irritating to eyes, respiratory system and skin; R36/38 Irritating to eyes and skin;
R43 May cause sensitization by skin contact

Safety Phrases:

S2 Keep out of the reach of children; S3/7 Keep container tightly closed in a cool place; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S28 After contact with skin, wash immediately with plenty of water; 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

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NKn = Not Known

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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

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	Prepared by: Dan Werner Sr. R&D Chemist 2/23/2011
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

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*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

MATERIAL SAFETY DATA SHEET

Page 1 of 5

SECTION I Chemical Product and Company IdentificationTrade Name Appearing on Label: **Orly Gel FX Top Coat** Chemical Family: UV GelsManufacturer/Distributor/Importers: Orly International, Inc.
7710 Haskell Ave
Van Nuys, CA 91406 Updated by: Dan Werner
Sr. R&D Chemist
1/24/2013

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
Hydroxycyclohexyl phenyl ketone	0-1	947-19-3	N/E	N/E	N/A
D&C Violet #2	0-1	81-48-1	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: 1 Reactivity: 1**Material Appearance:** Clear to slight violet, viscous liquid**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:** Exposure of liquid may cause eye irritation.**Skin:** Exposure may cause moderate skin irritation. Contains materials that may cause reddening & swelling and/or sensitization. Prolonged contact may cause blister formation (burns). Since irritation may not occur immediately, contact 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: 100°C (212°F), Method Setaflash

Flammable Limits in Air % - No Data

Extinguishing Media:	Water Spray X	Dry Chemical X
	Carbon Dioxide X	Foam X

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 the violent rupture of storage vessels or containers. 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: Clear to Slight Violet	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: <0.5	Flashpoint: 100°C/212°F
Boiling Point: n/a	
Boiling Range: n/a	
Melting Point: 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 evolution of heat and increased
pressure that could result in violent rupture of sealed storage vessels or containers.

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 primary toxicological information is derived from the oligomers. The product should be handled with care when dealing with chemicals.

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/DA	N/DA	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:		Maritime Transport:	
UN Number	Non-Regulated Material	UN Number:	Non-Regulated Material
Class:	N/A	Class:	N/A
Packaging Group:	N/A	Packaging Group:	N/A
Label:	N/A	Label:	N/A
		Flash Point:	>100°C (212°F)

Air Transport:	
UN Number:	Non-Regulated Material
Class:	N/A
Packaging Group:	N/A
Label:	N/A

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.

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

Hazard Symbol: XI- Irritants

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 - irritant

Risk Phrases:

R36/37/38 Irritating to eyes, respiratory system and skin; R36/38 Irritating to eyes and skin;
R43 May cause sensitization by skin contact

Safety Phrases:

S2 Keep out of the reach of children; S3/7 Keep container tightly closed in a cool place; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S28 After contact with skin, wash immediately with plenty of water; 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

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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

MATERIAL SAFETY DATA SHEET

Page 1 of 4

SECTION I Chemical Product and Company Identification

Trade Name Appearing on Label: **ORLY Gel FX
Cuticle Oil** Chemical Family: Toiletries

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

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

Prepared by: Dan Werner
Sr. R&D Chemist
6/6/2011

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
Hazardous Materials:	0%	n/a	n/a	n/a	n/a

SECTION III Hazard Identification

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

This Products Rating: Health: 0 Flammability: 1 Reactivity: 0

Material Appearance: Light Orange Oil

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: none

Short Term Effect:

Inhalation: n/a

Eyes: may cause slight stinging if product gets into open eyes.

Skin: n/a

Signs and Symptoms of Over-Exposure: n/a

Medical Conditions Generally Aggravated by Exposure: n/a

SECTION IV**First Aid Measures**

Eye Contact: Flush eyes with large amounts of warm water.

Skin Contact: Wash with soap and water.

Inhalation: n/a

Ingestion: n/a

SECTION V**Fire Fighting Measures**

Flash Point: n/a

Flammable Limits in Air % - LEL: n/a, **UEL:** n/a

Extinguishing Media: Water Spray _ Dry Chemical X
Carbon Dioxide X Foam _

Fire Fighting Procedure: This product is nearly anhydrous and contains >95% vegetable oil.

SECTION VI**Accidental Release Measures**

Spill and Leak Procedures: Collect with absorbent material and place into trash container.

SECTION VII**Handling and Storage**

Handling: Keep container closed when not in use.

Storage: Store at room temperature. Keep container closed when not in use.

SECTION VIII**Exposure Controls and Personal Protection**

This product is a moisturizing oil for the cuticles and does not require Exposure controls.

SECTION IX**Physical and Chemical Properties**

Water Solubility: nil
Appearance: Light Orange
Physical Form: Oily liquid
%/Wt. Volatiles: 0 %
pH: n/a
Odor: Light citrus fragrance

Specific Gravity: (H₂O = 1): 0.85 - 0.89 - 0.93
Melting Point: n/a
Vapor Pressure (mm Hg): n/a
Vapor Density: n/a
Evaporation Rate: (H₂O) - 1) 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 35 C.

Contact with Materials to avoid: none

Hazardous Decomposition Products: none

Hazardous Polymerization: will not occur.

SECTION XI Toxicological Information

	LD50(Oral Rat)	LC50 (Inhal. Rat)
	n/a	n/a

Ingestion:	n/a
Eyes:	n/a
Dermal:	n/a
Inhalation	n/a
Overexposure:	n/a
Chronic Effects:	n/a
Carcinogenicity:	Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH
Target Organs:	n/a

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:		Maritime Transport:	
Class:	n/a	UN Number:	n/a
Packaging Group:	n/a	Class:	n/a
Label:	n/a	Packaging Group:	n/a
UN Number:	n/a	Label:	n/a

Air Transport:

ID No.	n/a
Class:	n/a
Packaging Group:	n/a
Packaging instr.:	n/a

SECTION XV **Regulatory Information**

Labelling: n/a

Symbol: n/a

Indication of Danger: n/a

Risk Phrases: n/a

Safety Phrases: n/a

SECTION XVI **Other Information**

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 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

MATERIAL SAFETY DATA SHEET

SECTION I

Chemical Product and Company Identification

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

Manufacturer/Distributor/Importers: Orly International, Inc. Prepared by: Dan Werner
 7710 Haskell Ave Sr. R&D Chemist
 Van Nuys, CA 91406 2/23/2011

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
Acetone	95-98	67-64-1	1000ppm	750ppm	n/a

SECTION III

Hazard Identification

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

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

Material Appearance: Clear Liquid

Primary Route of Entry: Inhalation X 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: Swallowing small amounts is not likely to cause harmful effects.
 Swallowing large amounts may be harmful.

Eyes: Exposure of liquid may cause eye irritation.

Skin: Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying, cracking, and skin burns.

Inhalation: Vapor and mist are irritating to mucous membrane. Breathing small amounts during normal handling is unlikely to cause harmful effects. Breathing large amounts may be harmful.

Signs and Symptoms of Over-Exposure: May cause headaches, nausea, vomiting and narcotic effect if over-exposed.

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. If irritation persists, contact a physician.

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: -20°C (-4°F), TAG Closed

Flammable Limit (vol): 400ppm

Extinguishing Media:	Water Spray X	Dry Chemical X
	Carbon Dioxide	Foam X

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing. USE WATER WITH CAUTION. Water spray may be used to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a safe distance and protected location.

Unusual Fire and/or Explosion Hazards: Flammable. When exposed to heat and flame, material is a fire explosion hazard. Fire may produce toxic products CO, Carbon dioxide and oxides of nitrogen. Vapors may result in a flash fire or ignite explosively. Vapors may travel a wide distance to an ignition source and flash back. Prevent buildup of vapors or gases by using adequate ventilation.

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: Miscible in water

Appearance: Clear Liquid

Physical Form: Liquid

Odor: Fruity ester odor

%/Wt. Volatiles: 95% - 98%

Melting Point: n/a

pH: n/a

Specific Gravity: (H₂O = 1): 0.79

Vapor Pressure (mm Hg): <0.01 mm @ 20 C

Vapor Density (air = 1): 1

Evaporation Rate n/a

Flashpoint: -20°C/ -4°F

Flammable Limits: 400ppm

SECTION X Stability and Reactivity

Chemical Stability:

This product is stable under the recommended storage conditions.

Conditions to Avoid:

Heat, flame, ignition sources.

Contact with Materials to Avoid:

Oxidizing agents, acids & bases, heat

Hazardous Decomposition Products:

Fumes produced when heated to decomposition may include:
NO₂ , CO₂ , CO

Hazardous Polymerization:

Will not occur

SECTION XI Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation toxicity	Irritation- skin	Irritation- eye
Oral, rat: LD50= 3.2-6.4g/kg	Dermal, rabbit: LD50= >20ml/kg	Inhalation, rat: LC50= 3500-8000ppm/4hours	Rabbit: Slight	Rabbit: Slight

The primary toxicological information is derived from the aliphatic ketone (Acetone).

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

Sensitization

Minor

Mutagenicity

Hamster fibroblast, 40 g/L sex chromosome loss/non disjunction: *S. cerevisiae*, 47600 ppm;
Salmonella typhimurium TA92, TA94, TA98, TA100, TA1537 with metabolic activation.

Sub-chronic Toxicity

N/DA

SECTION XII Ecological Information

Ecotoxicity: **Acute Toxicity to Fish:** Rainbow trout LC50 = 5540 mg/L; 96 HR; Static Conditions

Chemical Fate Information

Biodegradability:

This material is expected to readily biodegrade in soil, leach into groundwater, and/or quickly evaporate.

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: 1993
 Class: 3
 Packaging Group: II
 Label: Flammable Liquid
 (NOS-98% Acetone)

Maritime Transport:

UN Number: 1993
 Class: 3.2
 Packaging Group: II
 Label: Flammable Liquid
 (NOS-98% Acetone)

Air Transport:

UN Number: 1993
 Class: 3
 Packaging Group: II
 Label: Flammable Liquid
 (NOS-98% Acetone)

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):
 • Acetone, CAS# 67-64-1, RCRA Code U002
 • May contain Characteristic of Ignitability: RCRA Code: D001

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

Hazard Symbol: XI- Irritant
 F- Highly Flammable

Risk Phrases: **R22:** Harmful if swallowed, **R36/37/38:** Irritating to eyes, respiratory system, and skin,
R33: Danger of cumulative effects.

Safety Phrases: **S7/9:** Keep container tightly closed and in a well-ventilated place, **S24/25:** avoid contact with skin and eyes,
S33: Take precautionary measures against static discharges, **S36/37:** Wear suitable protective clothing and gloves, **S38:** in case of insufficient ventilation, wear suitable respiratory equipment,
S46: If swallowed seek medical advice immediately and show this container or label.

SECTION XVII Other Information

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

Hazard Symbol: Xi: Irritant
F: Flammable

Risk Phrases:

R11 – Highly Flammable; R36 – Irritating to eyes; R66 – Repeated exposure may cause skin dryness and cracking;
R67 – Vapors may cause drowsiness and dizziness

Safety Phrases:

S2 Keep out of the reach of children; S9 Keep container in a well-ventilated place; S16 Keep away from sources of ignition – No smoking; S23 Do not breathe gas/fumes/vapor/spray; S25 Avoid contact with eyes; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S29 Do not empty into drains; S33 Take precautionary measures against static discharges

May Contain the following: (See Section 2)

Acetone: Hazard Symbol: F, Xi Risk Phrases: R11, R36, R66, R67 Safety Phrases: S2, S9, S16, S26

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