# Material Safety Data Sheet THIN GEL COAT



## Section 1 – Identification

**Product Name:** THIN GEL COAT

**Chemical Name:** LACQUER

**Family:** TOP COAT

**Product Use:** NAIL TOP COAT

**PRODUCT #: THIN GEL COAT**

**Manufacturer:** NAILITE
4530 N HIATUS ROAD #109 SUNRISE, FL 33351

**Information Contacts:** (954) 741-2924

**Emergency Phone Numbers:** US & Canada ( 800 ) 535 - 5053

**Emergency Phone Numbers:** International: 1-352-323-3500

## Section 2 – Hazards Identification

### EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- May cause eye irritation.
- Flammable liquid and vapor
- May cause skin irritation.
- Avoid prolonged or repeated breathing of gases, vapors or mists.

**Potential Health Effects, Signs and Symptoms of Exposure:**

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|---|---|
| Primary Route of Entry | Inhalation, skin contact, eye contact |
| Eye | Exposure causes eye irritation. Symptoms include stinging, tearing, 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. |
| Ingestion | Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. |
| Inhalation | Vapor and mist are irritating to mucous membranes. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits. |
| Sub-Chronic Effects | May cause headaches, nausea, vomiting and narcotic effect if over-exposed. |

NOTE: Refer to Section 11, Toxicological Information for Details

## Section 3 – Composition/Information on Ingredients

| Chemical Identity | CAS Numbers | EINECS# | INCI Name | Exposure Limits OSHA TWA/STEL | Exposure Limits ACGIH TWA/STEL | Carcinogen IARC/NTP/OSHA | % |
|---|---|---|---|---|---|---|---|
| Ethyl Acetate | 141 - 78 - 6 | 205-500-4 | Ethyl Acetate | 400 ppm | 400 ppm | Not Listed | 40-45 |
| Isobutyl Acetate | 110 - 19 - 0 | 203-745-1 | Butyl Acetate | 150 ppm | 150 ppm | Not Listed | 25-30 |
| Methyl Ethyl Ketone | 78 - 93 - 3 | 201-159-0 | MEK | 200 ppm | 200 ppm | Not Listed | 10-15 |
| Nitrocellulose | 9004-70-0 | N/E | Nitrocellulose | 400 ppm | 400 ppm | Not Listed | 5-10 |
| Isopropyl Alcohol | 67-63-0 | 200-661-7 | Isopropyl Alcohol | 400 ppm | 400 ppm | 3/no/no | 5-10 |
| Acrylate Copolymers | 25035-69-2 | N/E | Acrylates Copolymer | N/E | N/E | Not Listed | 0-1 |
| Benzophenone | 119-61-9 | 204-337-6 | Benzophenone | N/E | N/E | Not Listed | 0-1 |
| D&C Violet # 2 | 81-48-1 | N/E | CI60725 | N/E | N/E | Not Listed | 0-1 |

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

**Ethyl Acetate:** Hazard Symbol: F, Xi Risk Phrases: R11, R36, R66, R67 Safety Phrases: S2, S16, S26, S33
**Isobutyl Acetate:** Hazard Symbol – F Risk Phrases – R11, R66 Safety Phrases – S2, S16, S23, S25, S2 9, S33
**Methyl Ethyl Ketone:** Hazard Symbols – Xi, F Risk Phrases – R11, R36, R66, R67 Safety Phrases – S2, S9, S16
**Nitrocellulose:** Hazard Symbol – Xi, F Risk Phrases – R 11, R36/38 Safety Phrases – S2, S1 6, S33, S37/39
**Isopropyl Alcohol:** Hazard Symbol – F, Xi Risk Phrases – R11, R36, R67 Safety Phrases – S2, S7, S16, S24/25, S26

**See Section 16 for Risk and Safety Phrase Key**

## Section 4 – First Aid Measures

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| First Aid for Eye | If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently for 15 minutes with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention. |
| First Aid for Skin | Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. |
| First Aid for Inhalation | Remove to fresh air.If breathing is difficult, administer oxygen. If symptoms persist, seek medical attention. |
| First Aid for Ingestion | If individual is drowsy or unconscious, do not give anything by mouth; place individual on the leftside with the head down. Seek medical attention for advice about whether to induce vomiting. If possible, do not leave individual unattended. |

## Section 5 – Fire Fighting Measures

| Flash Point(°F/°C) | Flammable Limit(vol%) | Auto-ignition Temperature(vol%) |
|---|---|---|
| Tag Closed Cup: 68°F/20ºC | 400 ppm | 750 ° F - 900 ° F |

**Method:**

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| Extinguishing Media: | Foam, dry chemical, cold water spray. |
| Fire Fighting Instructions: | Wear self-contained breathing apparatus and protective clothing. USE WATER WITH CAUTION. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a safe distance and protected location. |
| Unusual Hazards: | Flammable. When exposed to heat and flame, material is a fire explosion hazard. It may produce toxic products CO, Carbon dioxide and oxides of nitrogen. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. |

## Section 6 – Accidental Release Measures

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| Spill or Release Procedures | Eliminate all sources of heat and ignition. Use absorbent material for spills and dike it, wash spill material into retaining containers. Place containers in a well ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an 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 Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. 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 and Storage

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| Handling | Keep containers cool and dry. Keep away from heat, light and ignition sources. Avoid breathing high vapor concentrations. Avoid prolonged or repeated contact with skin. Use only with adequate ventilation. Wash thoroughly after handling. |
| Storage | Store in a well ventilated area. Store @ 70° + 15° F, allow some air space above liquid level. Keep containers closed while not in use. |
| Explosion Hazard | Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product ( even just residue) can ignite explosively. |

## Section 8 – Exposure Controls / Personal Protection

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| Engineering Controls | To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard 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 suit. Nitrile rubber is better than PVC. |

**Personal Protective Equipment**

General For open systems where contact is likely, wear long sleeves, chemical resistant gloves and chemical goggles. Provide eye wash stations and showers.

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| Eye/ Face Protection | Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type of safety glasses. |
| Skin Protection | Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots. |
| 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 exsposure limits. Protection provided by air purifying respirators is limited. Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepeice airline respirator in the positive pressure mode with emergency escape provisions. Follow OSHA repsirator regulations found in 29 CFR 1910.134 or Eurpean Standard EN 149. |

## Section 9 – Physical and Chemical Properties

| Appearance | Odor & Odor Threshold | pH | VOC (g/L) | Specific Gravity | Viscosity | % Volatile |
|---|---|---|---|---|---|---|
| Clear, viscous liquid | fruity ester odor | NA | 809 | (H2O=1):0.93 | 300-400 cps | W/W % : 99+ |

| Boiling Point/ Freezing Point | Decomposition Temperature | Octanol/Water Partitioning Coefficient Log Po/w | Vapor Pressure : | Vapor Density | Evaporation Rate | Ignition | Solubility In Water (20°C) |
|---|---|---|---|---|---|---|---|
| 170° F | N/DA | N/DA | N/DA | (Air=1):1 | NA | NA | Insoluble |

| Flash Point(°F/°C) | Flammable Limit(vol%) | Auto-ignition Auto-ignition Temperature(vol%) |
|---|---|---|
| Tag Closed Cup: 68°F/20ºC | 400 ppm | 750 ° F - 900 ° F |

## Section 10 – Stability and Reactivity

**Stability:**
Stable
**Hazardous Decomposition Products:**
Heated material produces NO2 , CO2 , CO
**Conditions to Avoid:**
Heat, flame, ignition sources.

**Incompatibility (Materials to Avoid):**
Avoid oxidizing agents, acids & bases (heat)
**Hazardous Polymerization:**
May occur

## Section 11 – Toxicological Information

| Acute Oral Toxicity | Acute Dermal Toxicity | Acute Inhalation Toxicity | Irritation – skin | Irritation – Eye |
|---|---|---|---|---|
| Oral LD50 (rat) : 3.2-6.4g/kg | Dermal LD50 (rabbit): >20mL/kg | Inhalation LC50 (rat) : 3500 - 8000 ppm/4 hours | Rabbit : slight | Rabbit : slight |

Since this product contains a very low concentration of active components, the primary toxicological information is derived from the aliphatic hydrocarbons. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

| Sensitization | Mutagenicity | Sub-chronic Toxicity |
|---|---|---|
| N/DA | N/DA | N/DA |

## Section 12 – Ecological Information

**Ecotoxicological Information**

| Acute Toxicity to Fish | Acute Toxicity to Invertebrates | Acute Toxicity to Algae | Bioconcentration | Toxicity to Sewage Bacteria |
|---|---|---|---|---|
| N/DA | N/DA | N/DA | N/DA | N/DA |

**Chemical Fate Information**

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| **Biodegradability** | N/DA |
| **Chemical Oxygen Demand** | N/DA |

To the best of our knowledge, the ecotoxocological and chemical fate properties have not been thoroughly investigated.
Do not allow to enter drinking water supplies, wastewater, or soil.

## Section 13 – Disposal Considerations

Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the 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 unused contents in accordance with federal, state and local requirements. For EU Member

States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

## Section 14 – Transport Information

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| **DOT (49 CFR 172)** | |
| Proper Shipping Name: | UN1993, Flammable liquids, n.o.s., (ethyl acetate, isobutyl acetate), 3, PGII |
| Identification Number: | UN1993 |
| Marine Pollutant: | No |
| Special Provisions: | T8, T31 |
| **Emergency Response Guidebook (ERG) #:** | **128** |
| **IATA (DGR):** | |
| Proper Shipping Name: | UN1993, Flammable liquids, n.o.s., (ethyl acetate, isobutyl acetate), 3, PGII |
| Class or Division: | 3 |
| UN or ID Number: | UN1993 |
| Packaging Instructions: | |
| **Emergency Response Guidance (ICAO)#:** | |
| **IMO (IMDG):** | |
| Proper Shipping Name: | UN1993, Flammable liquids, n.o.s., (ethyl acetate, isobutyl acetate), 3, PGII |
| Class or Division: | 3.2 |
| UN or ID Number: | UN1993 |
| Special Provisions & Stowage/Segregation: | None |
| **Emergency Schedule (EmS)#:** | |
| **Other Information:** | **Flash point = 20ºC** |

## Section 15 – Regulatory Information

**US Federal Regulations**

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| Clean Air Act: HAP/ODS | This product contains the following HAP's or ODS:<br>• Methyl Ethyl Ketone CAS #78-93-3 (HAP)<br>• Benzophenone CAS #119-61-9 (HAP)<br>This product contains no ODS's. |
| Clean Water Act: Priority Pollutant | The following ingredients are listed as hazardous pollutants under the CWA:<br>• Isobutyl Acetate CAS #110-19-0<br>• Isopropyl alcohol CAS #67-63-0<br>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 and Health Act | This product is considered to be hazardous under the OSHA Hazard Communication Standard. Its hazards are:<br>• Immediate (acute) health hazard<br>• Fire hazard |
| RCRA | This product contains chemicals considered to be hazardous waste under RCRA ( 40 CFR 261):<br>• Ethyl Acetate CAS #141 - 78 - 6 RCRA Code: U112,<br>• Methyl Ethyl Ketone CAS #78 - 93 - 3 RCRA Code: U159. |
| SARA Title III: Section 302 (TPQ) | This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances. |
| SARA Title III: Section 302 (RQ) | This product contains the following chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List ):<br>• Ethyl Acetate CAS #141-78-6 RQ (Lbs) 5000<br>• Isobutyl Acetate CAS# 110-19-0 RQ (Lbs) 5000<br>• Methyl Ethyl Ketone CAS #78-93-3 RQ (Lbs) 5000 |

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| SARA Title III: Section 311-312: | This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370 ). Its hazards are:<br>• Immediate (acute) health hazard<br>• Fire hazard |
| SARA Title III: Section 313: | This product contains the following chemical 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:<br>• Methyl Ethyl Ketone, CAS #78 - 93 - 3<br>• Isopropyl alcohol CAS #67-63-0. |
| TSCA Section 8(b): Inventory:<br><br>TSCA Significant New Use Rule: | This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.<br>None of the chemicals in this material have a SNUR under TSCA. |

**State Regulations**

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| CA Right-to-Know Law<br><br>California No Significant Risk Level: | Ethyl Acetate CAS 141 – 78 – 6 ; Methyl Ethyl Keto ne CAS 78-93-3, Isopropyl Alcohol CAS 67-63-0, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0.<br>NONE |
| MA Right-to-Know Law: | Ethyl Acetate CAS 141 – 78 – 6 ; Methyl Ethyl Ketone CAS 78-93-3, , Isopropyl Alcohol CAS 67-63-0, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0. |
| NJ Right-to-Know Law: | Ethyl Acetate CAS 141 – 78 – 6 ; Methyl Ethyl Ketone CAS 78-93-3, , Isopropyl Alcohol CAS 67-63-0, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0. |
| PA Right-to-Know Law: | Ethyl Acetate CAS 141 – 78 – 6 ; Methyl Ethyl Ketone CAS 78-93-3, Isopropyl Alcohol CAS 67-63-0, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0. |
| FL Right-to-Know Law: | Ethyl Acetate CAS 141 – 78 – 6 ; Methyl Ethyl Ketone CAS 78-93-3, , Isopropyl Alcohol CAS 67-63-0, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0. |
| MN Right-to-Know Law: | Ethyl Acetate CAS 141 – 78 – 6 ; Methyl Ethyl Ketone CAS 78-93-3, , Isopropyl Alcohol CAS 67-63-0, Benzophenone CAS #119-61-9, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0. |

**International Regulations**

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|---|---|
| CDSL: Canadian Inventory<br>(on Canadian Transitional List) | Ethyl acetate CAS #141-78-6 is on the DSL list. WHMIS = B2, D2B.<br>Isobutyl acetate CAS #110-19-0 is on the DSL list.<br>Methyl ethyl ketone CAS #78-93-3 is on the DSL list. WHMIS = B2, D2A.<br>Nitrocellulose CAS #9004-70-0 is on the DSL list. WHMIS = B4, D2B, F.<br>Isopropyl alcohol CAS #67-63-0 is on the DSL list. WHMIS = B2, D2B.<br>Benzophenone CAS #119-61-9 is on the DSL list.<br>D & C Violet #2 CAS #84-48-1 n/a |

**Labeling according to EC directives – 1999/45/EC**

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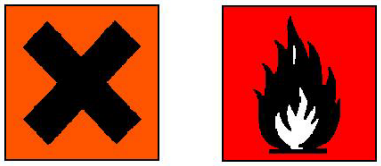
|---|---|
| European Community:<br><br>  | **Thin Gel Coat:**<br>• HAZARD SYMBOLS: **Xn, F:** *Harmful, Highly Flammable*<br>• RISK PHRASES: **R11,** *highly flammable,* **R20:** *Harmful by inhalation,* **R36/37/38:** *Irritating to eyes, respiratory system and skin*<br>• SAFETY PHRASES: **S7/9:** *keep container tightly closed and in a well ventilated place,* **S16:** *keep away from sources of ignition- no smoking,* **S24/25:** *In case of contact with eyes, rinse immediately with plenty of water and seek medical advise,* **S33:** *take precautionary measures against static discharges,* **S37/39:** *wear suitable protective clothing & gloves,* **S45:** *In case of accident or if you feel unwell, seek medical advise immediately (show the label where possible),* **S61:** *Avoid release to the environment. Refer to special instruction/Safety data sheets* |

## Section 16 – Other Information

**EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):**

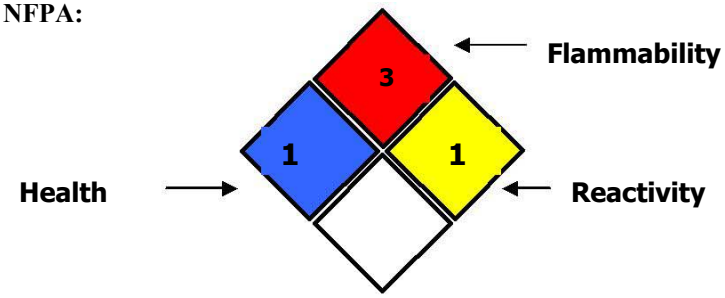
**Hazard Symbol:**
F – Flammable substance or preparation
Xi – Irritant

**Risk Phrases:**
R11 Highly flammable; R36 Irritating to eyes; R36/38 Irritating to eyes and skin; R66 Repeated exposure may cause skin dryness or cracking; R67 Vapors may cause drowsiness and dizziness

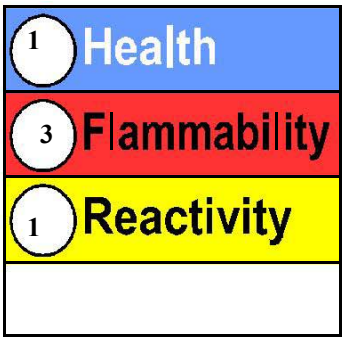
**Safety Phrases:**
S2 Keep out of the reach of children; S7 Keep container tightly closed; S9 Keep container in a well-ventilated place; S16 Keep away from sources of ignition – No smoking; S23 Do not bre athe gas/fumes/vapour/spray; S24/25 Avoid contact with skin and eyes; S25 Avoid contact with eyes; 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; S37/39 Wear suitable gloves and eye/face protection

**Hazard Rating System (Pictograms)**

**NFPA:**




**HMIS:**




| | |
|---|---|
| MSDS Prepared by: | BSQ |
| Revision History: | 11/19/04 Section 2 & 13 content updates, format updates throughout. |
| | 12/20/07 DOT Name update |
| | 06/23/08 Updated INCI name in section 2 |
| | 09/19/08 Updated section 16 |
| | 10/22/08 Updated Format |
| | 12/08/08 Updated specific gravity and VOC |
| | 12/11/08 Updated Risk and Safety Phases |
| | 03/16/09 Updated to meet Globally Harmonized System requirements. Added the EU address to section 1. Switched location of section 2 with section 3. Changed the title in sections 1, 8, and 13. Moved MSDS preparation to section 16. |
| | 02/01/10 Added international emergency phone number to section 1 |

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