MATERIAL AND SAFETY DATA SHEET

SECTION 1 - THE NAME OF THE PRODUCT:

MATTE TOP COAT

Distributor/ Manufacturer: **Nail Gaga Ltd**
Address: 57 Mill St, Bedworth. UK
www.nailgaga.co.uk
E-mail: admin@nailgaga.co.uk
MSDS Approval:15/06/2010

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	**CAS #**	**EINECS #**	**INCI (or other substance) Name**	**Exposure OSHA** TWA/ STEL	**Limits ACGIH** TWA/STEL	**Carcino-gen**	**%**
Ethyl Acetate	141-78-6	205-500-4	Ethyl Acetate	400 ppm	400 ppm	Not Listed	35-45
n-Butyl Acetate	123-86-4	204-658-1	Butyl Acetate	150 ppm	150 ppm	Not Listed	25-35
Isopropyl Alcohol	67-63-0	200-661-7	Isoprpoyl Alcohol	400 ppm	400 ppm	3/no/no	5-15
Methyl Ethyl Ketone	78-93-3	201-159-0	MEK	200 ppm	200 ppm	Not Listed	5-15
Nitrocellulose	9004-70-0	N/E	Nitrocellulose	400 ppm	400 ppm	Not Listed	5-15
Hydrated Silica	1343-98-2	215-683-2	Hydrated Silica	N/E	N/E	Not Listed	1-3
Tosyl Amide / Formaldehyde de resin	20035-71-6	N/E	Tosylamide / Formaldehyde de Resin	N/E	N/E	Not Listed	0-1
Titanium Dioxide	13463-67-7	236-675-5	CI77891	15mg/m3	10mg/m3	Group 3	0-1

N/E – Non Established N/DA – No Data Available
N/R – Not Reviewed N/A – Not Applicable

Ethyl Acetate: Hazard Symbol: F, Xi Risk Phases: R11, R36, R66, R67, Safety Phrases: S2, S16, S26, S33
n-Butyl Acetate: Hazard Symbol: N/E Risk Phases: R10, R66, R67 Safety Phrases: S2, S25
Isopropyl Alcohol: Hazard Symbol: F, Xi Risk Phases: R11, R36, R67 Safety Phrases: S2, S7, S16, S24/25, S26
Methyl Ethyl Ketone: Hazard Symbol: F, Xi Risk Phases: R11, R36, R66, R67, Safety Phrases: S2, S9, S16
Nitrocellulose: Hazard Symbol: Xi, F Risk Phases: R11, R36/38 Safety Phrases: S2, S16, S33, S37/39

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This information is based on findings from related or similar materials

- **Flammable liquid and and vapor!**
- May cause allergic skin reaction
- May cause eye irritation.
- May cause respiratory tract irritation.

POTENTIAL HEALTH EFFECTS, SIGNS AND SYMPTOMS OF EXPOSURE:

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 and 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 membrane. Breathing small amount during normal handling is not likely to cause harmful effect. Breathing large amount may be harmful. Symptoms usually occur at air concentrations higher then the recommended exposure limits.
Sub-Chronic Effects:	It may cause head aches, nause, vomiting and narcotic effect if over-exposed.

SECTION 4 - FIRST AID MEASURES

First Aid for Eyes:	If symptoms develop, move individual away from exposure and in to fresh air. Flush eyes gently with water why holding eyelids apart. If symptoms persist or there is any visual difficulty seek medical attention.
First Aid for Skin:	Remove contaminated clothing. Wash exposed with soap and water. If symptoms persist seek medical attention.
First Aid for Inhalation:	Remove to fresh air. If breathing is difficult administer oxigen. If symptoms persist seek medical attention.
First Aid for Ingestion:	If individual is drowsy or uncoscious, do not give anything by mouth; place individual on the left side with 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 (ºF/ºC)	**Flammable Limit (vol%)**	**Auto-ignition Temperature(vol%)**
TAG Closed 68 ºF/20 ºC	400 ppm	N/DA

Method:

Extinguishing Media: Foam, dry chemical, cold water spray.

Fire Fighting: Wear self contanined breathing apparatus and protective clothing. USE WATER WITH CAUTION. Use waterspray to keep fire exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a save distance and protected location.

Unusual Hazards: Flammable. When exposed to heat and flame, material is a fire explosion hazard. It may produce toxic product CO, Carbon Dioxide and oxid of Nitrogen. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to source of ignition and flash back. Prevent build up of vapors or gases to explosive concentrations.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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 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 (CERLA) require reporting spills and releases to soil, water and in air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/EC. If a leak or spills has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and flush spills away from exposures.

SECTION 7 - HANDLING AND STORAGE

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. Was thoroughly after handling.

Storage: Store in well ventilated area. Store @ 70 ^{o}F +/- 15 ^{o}F (21 ^{o}C +/- 8 ^{o}C), allow some space above liquid level. Keep containers closed when not in use.

Explosion Hazard: Vapors are heavier than air and may travel along the ground or may be move by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking or other ignition sources at locations distante 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 PROTECTIVE EQUIPMENT

Engineering Controls Facilities storing or utilizing this material should be equipped with an eye facility and safety shower. Use process enclosures local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.

PERSONAL PROTECTIVE EQUIPMENT:

General: 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.

Eye/Face Protection: Use impermeable clothing to prevent ANY contact with this product, such as gloves apron, boots, or whole body suit. Nitrile rubber is better than PVC.

Skin Protection: Wear resistant glass to prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with organic vapor /acid 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 respirator regulations found in 29 CFR 1910.134 or European Standard EN149.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Apperiance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Clear, cloudy, viscous liquid	Fruity, ester odor	N/A	(H_2O=1): 0.89	N/DA	W/W%:99+

Boiling Point/ Freezing Point	Decomposition Temperature	Octano/Water Partioning Coefficient	Vapor Pressure mmHg	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20 °C)
170 °F / 77°C	N/DA	N/DA	N/A	(Air=1) : 1	N/A	N/A	Insoluble

Flash Point (ºF/ºC)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
TAG Closed 68 ºF/20 ºC	400 ppm	N/DA

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable
Hazardous Decomposition Products: Heated material produce NO2, CO2, CO
Conditions to Avoid: Heat, flames, ignition sources, and incompatibles
Incompatibility (Materials to Avoid): Oxidizing Agent, Acid and Bases (Heat)
Hazardous Polymerization: Will not occur.

SECTION 11 - 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

Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

Sensitization	Mutagenicity	Sub-chronic Toxicity
No information available	No information available	No information available

SECTION 12 - ECOLOGICAL INFORMATION

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
No information available	No information available	No information available	No information available	No information available

Chemical Fate Information:
Biodegradability: No information available
Chemical Oxygen Demand: No information available
To the best of our knowledge, the ecotoxological and chemical fate properties have not been thoroughly invetigated. Do not allow to enter drinking water supplies, wastewater, or soil.

SECTION 13 - DISPOSABLE CONSIDERATION

Dispose of diking materials as 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 shoud 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

DOT (49 CFR 172)	
Proper Shipping Name:	UN1993, Flammable Liquids, n.o.s. (ethyl acetate, n-buthyl acetate) 3, PGII
Identification Number:	UN1993
Marine Pollutant:	No
Special Provisions:	T8, T31
Emergency Response	**128**

Guidebook (ERG)#:	
IATA (DGR)	
Proper Shipping Name:	UN1993, Flammable Liquids, n.o.s. (ethyl acetate, n-buthyl 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, n-buthyl 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 = 20 ^{o}C**

SECTION 15 - REGULATORY INFORMATION

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following HAP's : Methyl Ethyl Ketone, CAS 78-93-3 There are no ODS's (Ozone Depleting Substances) as defined by the US Clean Air Act.
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the US Clean Water Act Priority Pollutant and Hazardous Substances List: Buthyl Acetate, CAS 123-86-4
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging 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: • Immediate (acute) health hazard • Fire hazard
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261). • Ethyl Acetate, CAS#141-78-6, RCRA Code: U112 • Methyl Ethyl Ketone Cas# 78-93-3, RCRA Code: D035, U159 • May contain characteristic of ignitability: RCRA code: D001
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.
SARA Title III: Section 302 (TPQ)	This product contains chemicals regulated under Section 302 as extremely hazardous chemicals for emergency release notification („CERLA" List): • Ethyl Acetate, CAS#141-78-6, RQ (Lbs): 5000 • Butyl Acetate, CAS#123-86-4, RQ (Lbs): 5000 • Methl Ethyl Ketone, CAS#78-93-3, RQ (Lbs): 5000
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 hazard are: • Immediate health hazard • Fire hazard
SARA Title 313:	This product 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 40CFR Part 372:

	• Isopropyl Alcohol, CAS#67-63-0 • Methyl Ethyl Ketone, CAS#78-93-3
TSCA Section 8(b) Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

State regulations:

CA Right-to-Know Law: California No Significant Risk Level:	Ethyl Acetate, CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Butyl Acetate, CAS#123-86-4, Methyl Ethyl Ketone, CAS#78-93-3, Titanium Oxide CAS#13463-67-7, NONE
MA Right-to-Know Law:	Nitrocellulose CAS#9004-70-0, Ethyl Acetate, CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Butyl Acetate, CAS#123-86-4, Methyl Ethyl Ketone, CAS#78-93-3, Titanium Oxide CAS#13463-67-7,
NJ Right-to-Know Law:	Nitrocellulose CAS#9004-70-0, Ethyl Acetate, CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Butyl Acetate, CAS#123-86-4, Methyl Ethyl Ketone, CAS#78-93-3, Titanium Oxide CAS#13463-67-7,
PA Right-to-Know Law:	Nitrocellulose CAS#9004-70-0, Ethyl Acetate, CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Butyl Acetate, CAS#123-86-4, Methyl Ethyl Ketone, CAS#78-93-3, Titanium Oxide CAS#13463-67-7,
FL Right-to-Know Law:	Nitrocellulose CAS#9004-70-0, Ethyl Acetate, CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Butyl Acetate, CAS#123-86-4, Methyl Ethyl Ketone, CAS#78-93-3, Titanium Oxide CAS#13463-67-7,
MN Right-to-Know Law:	Ethyl Acetate, CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Butyl Acetate, CAS#123-86-4, Methyl Ethyl Ketone, CAS#78-93-3, Titanium Oxide CAS#13463-67-7,

INTERNATIONAL REGULATIONS:

CDSL: Canadian Inventory (on Canadian Transitional Lis)	Ethyl Acetate, CAS#141-78-6, Isopropyl Alcohol CAS#67-63-0, Butyl Acetate, CAS#123-86-4, Titanium Oxide CAS#13463-67-7, , Methyl Ethyl Ketone, CAS#78-93-3 Nitrocellulose CAS#9004-70-0, Hydrated SilicaCAS #1343-98-2 are on the DSL List

Labeling according to EC Directives – 1999/45/EC

European Community:

MATTE TOP COAT

- HAZARD SYMBOLS: **Xn:** Harmful
  F: Highly Flammable

- RISK PHRASES: **R11** Highly Flammable
  R20 Harmful by inhalation
  R36/37/38 Irritating to eyes, respiratory system and skin

- 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 advice
  S33 Take precautionary measures against static discharges
  S37/39 Wear suitable gloves and eye/face protection
  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.

Prefer to special instruction / safety data sheets.

SECTION 16 - OTHER INFORMATION

EU Classes and Risk / Safety Phrases for Referenced Ingredients (See section 2.)

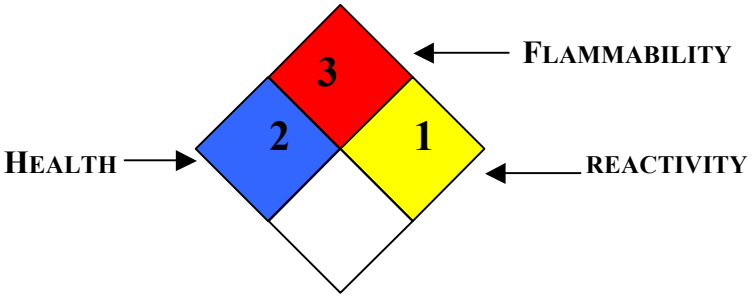
HAZARD SYMBOLS: **Xn:** Harmful
F: Highly Flammable

RISK PHRASES: R10: Flammable **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

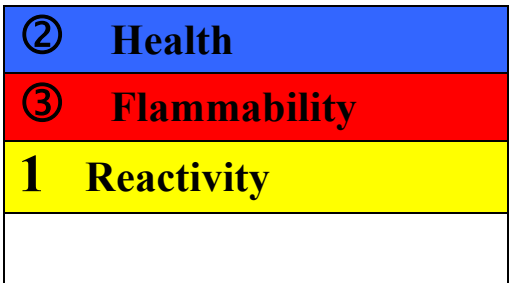
SAFETY PHRASES: **S2**: Keep out of reach of children, **S7:**Keep container tightly closed, **S9:** Keep container in a well-ventilated place, **S16:** Keep away from sources of ignition – No smoking S24/**25:** Avoid contact with with skin and eyes, S25 Avoid contact with eyes **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, **S33:**Take precautionary measures against static discharges S37/39 Wear suitable glass and eye/face protection

HAZARD RATING SYSTEM (PICTOGRAMS)

NFPA:



HMIS:



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Nail Gaga Ltd