

Material Safety Data Sheet NATURAL NAIL STRENGTHENER

Section 1 - Identification

Product Name: Natural Nail Strengthener
(Power Coat)

Chemical Name: NAIL LACQUER

Family: TOP COAT

Product Use: NAIL TOP COAT

Product #: 1000707

Brand: TONES

Manufacturer: Global Sources USA Corp

1580 W 38 Pl # 13 Hialeah Fl, USA

Information contact: 786-3665885

Section 2 – Hazards Identification

EMERGENCY OVERVIEW

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

- **Flammable liquid 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 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	It 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	Carcinogen	%
				OSHA TWA/STEL	ACGIH TWA/STEL		
Ethyl Acetate	141-78-6	205-500-4	Ethyl Acetate	400 ppm	400 ppm	Not Listed	35-40
n-Butyl Acetate	123-86-4	204-658-1	Butyl Acetate	150 ppm	150 ppm	Not Listed	20-35
Toluene	108-88-3	203-625-9	Toluene	200ppm	50ppm	3/No/No	15-20
Isopropyl Alcohol	67-63-0	200-661-7	Isopropyl 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
Tosyl Amide/ Formaldehyde resin	25035-71-6	N/E	Tosylamide/Formaldehyde Resin	N/E	N/E	Not Listed	0-1

N/E – None Established
N/R – Not Reviewed

N/DA – No Data Available
N/A – Not Applicable

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

Toluene: Hazard Symbol – Xn, F Risk Phrases – R11, R38, R48/20, R63, R65, R67 Safety Phrases – S36/37, S46, S62

n-Butyl Acetate: Hazard Symbol: N/E Risk Phrases: R10, R66, R67 Safety Phrases: S2, S25

Isopropyl Alcohol: Hazard Symbol – F, Xi Risk Phrases – R11, R36, R67 Safety Phrases – S2, S7, S16, S24/25, S26

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 – R11, R36/38 Safety Phrases – S2, S16, S33, S37/39

See Section 16 for Risk and Safety Phrase Key

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Section 4 – First Aid Measures

First Aid for Eye	If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently 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 left side 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: 68°F/20°C	400 ppm	N/DA

Method:

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

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. EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.
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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. Wash thoroughly after handling.
Storage	Store in well ventilated area. Store @ 70°F +/- 15°F (21°C +/- 8°C), 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 move 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

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.
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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 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 exposure limits. Protection provided by air purifying respirators is limited. Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Section 9 – Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Clear/cloudy, viscous liquid	fruity ester odor	N/A	(H ₂ O=1):0.94	N/DA	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 (77°C)	N/DA	N/DA	N/A	(Air=1): 1	N/A	N/A	Insoluble

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
TAG Closed: 68°F/20°C	400 ppm	N/DA

Section 10 – Stability and Reactivity

Stability:

Stable

Hazardous Decomposition Products:

Heated material produce NO₂, CO₂, CO

Conditions to Avoid:

Heat, flame, ignition sources.

Incompatibility (Materials to Avoid):

Avoid oxidizing agents, acids & 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

Ecotoxicological 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 ecotoxicological and chemical fate properties have not been thoroughly investigated.

Do not allow to enter drinking water supplies, wastewater, or soil.

Section 13 – Disposal Considerations

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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

DOT (49 CFR 172)	
Proper Shipping Name:	UN1993, Flammable liquids, n.o.s., (ethyl acetate, toluene), 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, toluene), 3, PGII
Class or Division:	3
UN or ID Number:	UN1993
Packaging Instructions:	
Emergency Response Guidance (ICAO)#:	3L
IMO (IMDG):	
Proper Shipping Name:	UN1993, Flammable liquids, n.o.s., (ethyl acetate, toluene), 3, PGII
Class or Division:	3.2
UN or ID Number:	UN1993
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	307
Other Information:	Flash point = 20°C

Section 15 – Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	<p>This product contains the following hazardous air pollutants (HAPs):</p> <ul style="list-style-type: none"> • Methyl Ethyl Ketone, CAS# 78-93-3 • Toluene, CAS# 108-88-3 <p>There are no ODS's (ozone depleting substances) as defined by the U. S. Clean Air Act.</p>
Clean Water Act: Priority Pollutant	<p>This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List:</p> <ul style="list-style-type: none"> • Butyl Acetate, CAS# 123-86-4 • Toluene, CAS# 108-88-3
FDA: Food Packaging Status	<p>This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food additive.</p>
Occupational Safety and Health Act	<p>This product is considered to be hazardous under the OSHA Hazard Communication Standard. Its hazard are:</p> <ul style="list-style-type: none"> • Fire hazard • Immediate (acute) health hazard
RCRA	<p>This product contains chemicals considered to be hazardous waste under RCRA (40 CFR 261):</p> <ul style="list-style-type: none"> • Ethyl Acetate CAS# 141-78-6, RCRA Code U112 • Methyl Ethyl Ketone, CAS# 78-93-3, RCRA Codes D035, U159 <p>Toluene, CAS# 108-88-3, RCRA Code U220</p>

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	May contain Characteristic of Ignitability: RCRA Code: D001
SARA Title III: Section 302	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances that carry a TPQ.
SARA Title III: Section 304	This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): <ul style="list-style-type: none"> • Methyl Ethyl Ketone, CAS #78-93-3, RQ (lbs) 5000 • Toluene, CAS #108-88-3, RQ (lbs) 1000 • Ethyl Acetate, CAS# 141-78-6, RQ (Lbs): 5000 • Butyl Acetate, CAS# 123-86-4, 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 hazards are: <ul style="list-style-type: none"> • Fire hazard • Immediate (acute) health hazard
SARA Title III: Section 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 40 CFR Part 372: <ul style="list-style-type: none"> • Toluene, CAS #108-88-3 • 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.
TSCA Significant New Use Rule:	None of the chemicals in this material have a SNUR under TSCA.

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, Toluene, CAS#108-88-3/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, Toluene, CAS#108-88-3
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, Toluene, CAS#108-88-3
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, Toluene, CAS#108-88-3
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, Toluene, CAS#108-88-3
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, Toluene, CAS#108-88-3

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Ethyl Acetate CAS #141-78-6 is on the DSL list. WHMIS = B2, D2B Isopropyl Alcohol CAS #67-63-0 is on the DSL list. WHMIS = B2, D2B Butyl Acetate CAS #123-86-4 is on the DSL list. WHMIS = B2, D1B, D2B Toluene CAS# 108-88-3 is on the DSL list. WHMIS = B2, D2B Methyl Ethyl Ketone CAS 78-93-3 is on the DSL list. WHMIS = B2, D2A Nitrocellulose CAS #9004-70-0 is on the DSL list. WHMIS = B4, D2B, F
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Labeling according to EC directives – 1999/45/EC

European Community:	<p>Natural Nail Strengthener:</p> <ul style="list-style-type: none"> • HAZARD SYMBOLS: Xn, F: Harmful, 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 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
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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

Xn – Harmful preparation or substance

Risk Phrases:

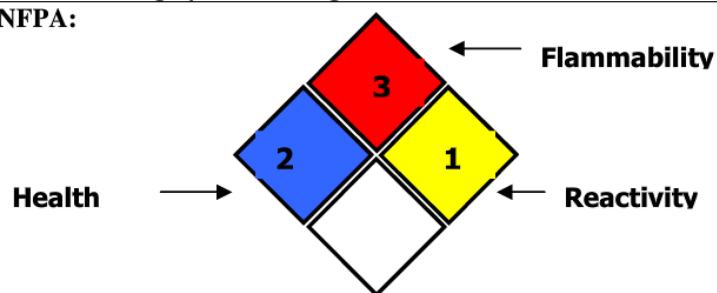
R10 Flammable; R11 Highly flammable; R36 Irritating to eyes; R36/38 Irritating to eyes and skin; R38 Irritating to skin; R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation; R63 Possible risk of harm to the unborn child; R65 Harmful: may cause lung damage if swallowed; R66 Repeated exposure may cause skin dryness or cracking; R67 Vapors may cause drowsiness and dizziness

Safety Phrases:

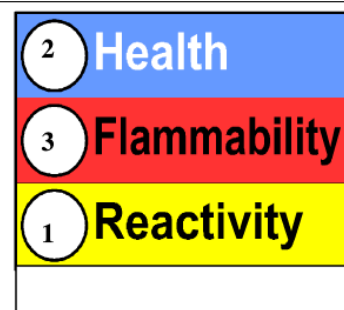
S2 Keep out of the reach of children; S7 Keep container tightly closed; S9 Keep container in a well-ventilated place; S16 Keep away from sources of ignition – No smoking; S24/25 Avoid contact with skin and eyes; S25 Avoid contact with eyes; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S33 Take precautionary measures against static discharges; S36/37 Wear suitable protective clothing and gloves; S37/39 Wear suitable gloves and eye/face protection; S46 If swallowed, seek medical advice immediately and show this container or label; S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label

Hazard Rating System (Pictograms)

NFPA:



HMIS:



MSDS Prepared by:	BSQ
Revision History:	9/29/2000 Initial Issue
	10/28/2004 Section 2 contents & % changed from<, > to range, overall format update
	12/7/2007 Updated EINECS number in section 2, and updated UN # location in section 14
	12/20/2007 DOT Name update
	6/23/2008- Updated Inci name in section 2
	09/19/2008 Updated section 16
	10/22/2008 Updated Format
	12/09/2008 Updated specific gravity
	12/11/2008 Updated Risk and Safety Phrases
	03/16/2009 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.
	08/07/2009 Section 3 updated the Toluene concentration range
	02/01/2010 Added international emergency phone number to section 1

