

# Star Nail International, Inc. MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**CHEMICAL NAME:** Urethane Acrylate Blend

**PRODUCT NAME:** Eco Soak Off Gel- Toupie Italian  
**PRODUCT USE:** Organic Process Chemical

**MANUFACTURER:** Star Nail International, Inc.  
**ADDRESS:** 29120 Avenue Paine  
Valencia, CA 91355

**24 HR. EMERGENCY TELEPHONE:** CHEMTEL: 1-800-255-3924 OR 813-248-0573

**PREPARATION/UPDATE DATE:** 01/02/2014  
**PRINT DATE:** 6/10/14  
**MSDS ID:** M16-02

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER:	WT/WT %
01	Urethane Acrylate Oligomer Mixture	NA	40.0-80.0
02	Isobornyl Methacrylate	7534-94-3	10.0-40.0
03	Mono Methacrylate	27813-02-1	0.0-10.0
04	Photoinitiator	NA	0.0-10.0
05	Pigment	NA	0.0-5.0

ITEM	ACGIH		OSHA		Company Recommendation	SKIN
	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING		
01	NE	NE	NE	NE	NE	NE
02	NE	NE	NE	NE	NE	NE
03	NE	NE	NE	NE	NE	NE
04	NE	NE	NE	NE	NE	NE
05	NE	NE	NE	NE	NE	NE

Note this material contains an inhibitor (HQ, MEHQ, etc) at <1%. The type and amount meet product specifications. Contact manufacturer for exact concentration and details on inhibitor level maintenance.

See Section 16 for Abbreviations.

## SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:****WARNING:**

For Mixture:



Physical Hazards:

Unstable/Reactive upon depletion of inhibitor. **Check inhibitor levels periodically.**

Acute Hazards:

Eyes:

May cause irritation. Irritation may include excessive tearing, blinking and redness. May cause corneal opacity and/or permanent damage.

Ingestion:

May be harmful and can cause nausea, vomiting, abdominal cramps.

Inhalation:

Not expected to be a hazard due to low volatility under standard conditions. Aerosols or vapors, which are generated at elevated temperatures, may cause irritation.

Skin:

May cause slight irritation. Possible skin sensitizer. May cause a severe reaction on repeated application which may include delayed irritation or blistering.

Chronic Hazards:

Respiratory Tract:

Prolonged or repeated exposure may cause irritation.

**CARCINOGENICITY:**

None of the components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

**PRIMARY ROUTES OF ENTRY:**

Inhalation, Skin or Eyes.

## SECTION 4 - FIRST AID MEASURES

**EMERGENCY AND FIRST AID PROCEDURES:**

EYES:

If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

INGESTION:

If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

INHALATION:

Remove to fresh air. Seek immediate medical attention.

SKIN:

If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

CLOTHING:

Remove contaminated clothing, wash thoroughly before reuse.

TREATMENT:

Treat symptoms conventionally, after thorough decontamination.

## SECTION 5 - FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	>200 ° F, >93 ° C
<b>FLAMMABLE LIMIT, AIR VOL% LOWER:</b>	NE
UPPER:	NE
<b>AUTOIGNITION TEMPERATURE:</b>	NE
<b>EXTINGUISHER METHOD:</b>	Chemical foam, carbon dioxide, dry chemical.
<b>FIRE AND EXPLOSION HAZARDS:</b>	High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may cause spontaneous polymerizing reaction generating heat/pressure. Closed containers may rupture or explode during a runaway polymerization. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	When involved in a fire, this product may ignite and decompose to produce carbon oxides. Do not enter fire area without proper protection. Fight fire from a safe location. Heat/impurities may cause pressure to build and/or rupture closed containers, spreading fire, increasing risk of burns/injuries. Structural firefighters must wear SCBAs and full protective equipment.
<b>SENSITIVE TO MECHANICAL IMPACT:</b>	No.
<b>SENSITIVE TO STATIC DISCHARGE:</b>	No.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### ACCIDENTAL RELEASE:

Before cleaning any spill or leak, individuals involved must wear appropriate Personal Protective Equipment (e.g., goggles, gloves). Deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g. sand or earth). Maximize ventilation (open doors and windows) and secure all sources of ignition. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

**SECTION 7- HANDLING AND STORAGE**

<b>PRECAUTIONS FOR HANDLING:</b>	Use local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of material release. Refer to Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Hygienist. Observe precautions found on label.
<b>PRECAUTIONS FOR STORAGE:</b>	Product may congeal or stratify if subjected to below freezing temperatures. Store containers in a cool (40-80°F, 4-27°C), dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. Keep container closed after each use. <b>Check inhibitor levels periodically.</b> Do not blanket or mix with oxygen-free gas as it renders the inhibitor ineffective.
<b>INDUSTRIAL HYGIENE PRACTICES:</b>	Avoid contact with skin, eyes, clothing, and prolonged contact with the product. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

<b>VENTILATION:</b>	Refer to Section 7 regarding the ventilation requirements for working with this product. Use local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated.
<b>RESPIRATORY PROTECTION:</b>	A respirator should be worn whenever workplace conditions warrant a respirators use. None required if airborne concentrations are maintained below the exposure limit listed in Section 2. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.
<b>EYE PROTECTION:</b>	Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.
<b>PROTECTIVE GLOVES:</b>	If anticipated that prolonged & repeated skin contact will occur during use of this product, wear chemical resistant gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, or other appropriate governing standards.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate governing standards. An eyewash station and a safety shower are recommended.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Clear to pigmented viscous liquid.
<b>ODOR:</b>	Acrylate
<b>pH:</b>	ND
<b>ODOR THRESHOLD:</b>	ND
<b>BOILING POINT:</b>	ND
<b>MELTING POINT:</b>	ND
<b>VISCOSITY:</b>	ND
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	NA
<b>VAPOR PRESSURE:</b>	NA
<b>PERCENT VOLATILE W/W%:</b>	ND
<b>VAPOR DENSITY (AIR=1):</b>	ND
<b>VOC CONTENT BY WEIGHT:</b>	NA
<b>SOLUBILITY IN WATER:</b>	ND
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	ND

## SECTION 10 - STABILITY AND REACTIVITY

<b>CONDITIONS TO AVOID:</b>	High temperatures, localized heat sources (example drum or band heaters) oxidizing conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers. Material has strong solvent properties and can soften paint and rubber.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Mainly Oxides of Carbon when burned.
<b>HAZARDOUS POLYMERIZATION:</b>	MAY OCCUR: X      WILL NOT OCCUR:
<b>STABILITY:</b>	Unstable/Reactive upon depletion of inhibitor.

## SECTION 11- TOXICOLOGICAL PROPERTIES

**TARGET ORGANS:**  
For Mixture:                                  None Listed.

**TOXICITY DATA:**  
This product has NOT been tested on animals to obtain toxicology data. There may be toxicology data for the components of the product, which is found in scientific literature. This data has not been presented in this document.

**MUTAGENICITY DATA:**                  This product is not reported to produce mutagenic effects in humans.

**REPRODUCTIVE TOXICITY DATA:**

Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.

**SECTION 12 - ECOLOGICAL INFORMATION****AQUATIC TOXICITY:**

There is no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

**ENVIRONMENTAL FATE:**

There is no specific data available for this product.

**SECTION 13 - DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD:**

Contaminated product/soil/water may be RCRA/OSHA hazardous waste due to potential for internal heat generation (40 CFR 261 and 29 CFR 1910). After addition of excess inhibitor, dispose waste material in accordance with Federal, State, and Local regulations.

**DISPOSAL OF EMPTY CONTAINERS:**


Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with Federal, State and Local regulations.

**SECTION 14 - TRANSPORTATION**

<b>DOT/UN SHIPPING NAME:</b>	Not regulated.
<b>DOT/UN CLASS:</b>	NA
<b>NA/UN NUMBER:</b>	NA
<b>PACKING GROUP:</b>	NA
<b>LABEL:</b>	NA
<b>IMDG CLASS:</b>	NA
<b>IMDG PG:</b>	NA
<b>DOT RQ:</b>	NA

## SECTION 15 - REGULATORY INFORMATION

**US:**

TSCA Inventory Status: The components of this product are listed or are excluded from listing on the TSCA Inventory. 

SARA Section 302: There are not any specific Threshold Planning Quantities for the components of this product.

SARA Section 311/312: Immediate (Acute) Health, Reactive

SARA Section 313: NA

CERCLA Reportable Quantity (RQ): NA

State Regulatory Information: This product may contain components that are covered under specific state criteria.

**CANADA:**

DSL/NDSL: The components of this product are listed on the DSL or NDSL.

WHMIS Hazard Class: D2B

Other: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. None of the components of this product are listed on the Priorities Substances List.

**EUROPE:**

EINECS: The components of this product are listed on or are excluded from listing on EINECS or the NLP List.

**HAZARD SYMBOLS:** Xi – Irritant

**RISK STATEMENTS:** R36/38 – Irritating to eyes and skin.  
R43 – May cause sensitization by skin contact

**SAFETY STATEMENTS:** S3 – Keep in a cool place.  
S7 – Keep container tightly closed.  
S9 – Keep container in a well-ventilated place.  
S20 – When using do not eat or drink.  
S 29 – Do not empty into drains.  
S37/39 – Wear suitable gloves and eye/face protection.


## SECTION 16 - OTHER INFORMATION

**HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:**

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT: Gloves and Safety Glasses or Chemical Splash Goggles. 

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:**

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 1

## SECTION 16 - OTHER INFORMATION - CONTINUED

**ABBREVIATIONS:**

NA	Not Applicable	ND	Not Determined
NE	Not Established		
ppm	parts per million	G	Gallon
mg	Milligram	L	Liter
gm	Gram	mol	Mole
kg	Kilogram	μ	Micro
mm	Millimeter	p	Pico
Pa	Pascals	c	cento
LC	Lethal Concentration	LD	Lethal Dose
TC	Toxic Concentration	TD	Toxic Dose
BOD	Biological Oxygen Demand	COD	Chemical Oxygen Demand
Lo	Lowest	ThOD	Theoretical Oxygen Demand
TLm	Threshold Limit	IC	Inhibitory Concentration
DOC	Dissolved Organic Carbon		
H	Hours	M	Months
D	Days	Y	Years
W	Weeks		

ACGIH American Conference of Governmental Industrial Hygienist

CPR Controlled Product's Regulation

DSL Canadian Domestic Substances List

NDSL Canadian Non-domestic Substance List

IARC International Agency for Research for Cancer

NOEL No Observed Effect Level

NOAEL No Observed Adverse Effect Level

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

TLV Threshold Limit Value

*THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200), CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.*



# Star Nail International, Inc. MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**CHEMICAL NAME:** Urethane Acrylate Blend

**PRODUCT NAME:** Eco Soak Off Gel- Desire Pink  
**PRODUCT USE:** Organic Process Chemical

**MANUFACTURER:** Star Nail International, Inc.  
**ADDRESS:** 29120 Avenue Paine  
Valencia, CA 91355

**24 HR. EMERGENCY TELEPHONE:** CHEMTEL: 1-800-255-3924 OR 813-248-0573

**PREPARATION/UPDATE DATE:** 01/02/2014  
**PRINT DATE:** 6/10/14  
**MSDS ID:** M16-02

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER:	WT/WT %
01	Urethane Acrylate Oligomer Mixture	NA	40.0-80.0
02	Isobornyl Methacrylate	7534-94-3	10.0-40.0
03	Mono Methacrylate	27813-02-1	0.0-10.0
04	Photoinitiator	NA	0.0-10.0
05	Pigment	NA	0.0-5.0

ITEM	ACGIH		OSHA		Company Recommendation	SKIN
	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING		
01	NE	NE	NE	NE	NE	NE
02	NE	NE	NE	NE	NE	NE
03	NE	NE	NE	NE	NE	NE
04	NE	NE	NE	NE	NE	NE
05	NE	NE	NE	NE	NE	NE

Note this material contains an inhibitor (HQ, MEHQ, etc) at <1%. The type and amount meet product specifications. Contact manufacturer for exact concentration and details on inhibitor level maintenance.

See Section 16 for Abbreviations.

## SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:****WARNING:**

For Mixture:



Physical Hazards:

Unstable/Reactive upon depletion of inhibitor. **Check inhibitor levels periodically.**

Acute Hazards:

Eyes:

May cause irritation. Irritation may include excessive tearing, blinking and redness. May cause corneal opacity and/or permanent damage.

Ingestion:

May be harmful and can cause nausea, vomiting, abdominal cramps.

Inhalation:

Not expected to be a hazard due to low volatility under standard conditions. Aerosols or vapors, which are generated at elevated temperatures, may cause irritation.

Skin:

May cause slight irritation. Possible skin sensitizer. May cause a severe reaction on repeated application which may include delayed irritation or blistering.

Chronic Hazards:

Respiratory Tract:

Prolonged or repeated exposure may cause irritation.

**CARCINOGENICITY:**

None of the components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

**PRIMARY ROUTES OF ENTRY:**

Inhalation, Skin or Eyes.

## SECTION 4 - FIRST AID MEASURES

**EMERGENCY AND FIRST AID PROCEDURES:**

EYES:

If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

INGESTION:

If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

INHALATION:

Remove to fresh air. Seek immediate medical attention.

SKIN:

If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

CLOTHING:

Remove contaminated clothing, wash thoroughly before reuse.

TREATMENT:

Treat symptoms conventionally, after thorough decontamination.

## SECTION 5 - FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	>200 ° F, >93 ° C
<b>FLAMMABLE LIMIT, AIR VOL% LOWER:</b>	NE
UPPER:	NE
<b>AUTOIGNITION TEMPERATURE:</b>	NE
<b>EXTINGUISHER METHOD:</b>	Chemical foam, carbon dioxide, dry chemical.
<b>FIRE AND EXPLOSION HAZARDS:</b>	High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may cause spontaneous polymerizing reaction generating heat/pressure. Closed containers may rupture or explode during a runaway polymerization. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	When involved in a fire, this product may ignite and decompose to produce carbon oxides. Do not enter fire area without proper protection. Fight fire from a safe location. Heat/impurities may cause pressure to build and/or rupture closed containers, spreading fire, increasing risk of burns/injuries. Structural firefighters must wear SCBAs and full protective equipment.
<b>SENSITIVE TO MECHANICAL IMPACT:</b>	No.
<b>SENSITIVE TO STATIC DISCHARGE:</b>	No.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### ACCIDENTAL RELEASE:

Before cleaning any spill or leak, individuals involved must wear appropriate Personal Protective Equipment (e.g., goggles, gloves). Deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g. sand or earth). Maximize ventilation (open doors and windows) and secure all sources of ignition. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

**SECTION 7- HANDLING AND STORAGE**

<b>PRECAUTIONS FOR HANDLING:</b>	Use local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of material release. Refer to Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Hygienist. Observe precautions found on label.
<b>PRECAUTIONS FOR STORAGE:</b>	Product may congeal or stratify if subjected to below freezing temperatures. Store containers in a cool (40-80°F, 4-27°C), dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. Keep container closed after each use. <b>Check inhibitor levels periodically.</b> Do not blanket or mix with oxygen-free gas as it renders the inhibitor ineffective.
<b>INDUSTRIAL HYGIENE PRACTICES:</b>	Avoid contact with skin, eyes, clothing, and prolonged contact with the product. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

<b>VENTILATION:</b>	Refer to Section 7 regarding the ventilation requirements for working with this product. Use local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated.
<b>RESPIRATORY PROTECTION:</b>	A respirator should be worn whenever workplace conditions warrant a respirators use. None required if airborne concentrations are maintained below the exposure limit listed in Section 2. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.
<b>EYE PROTECTION:</b>	Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.
<b>PROTECTIVE GLOVES:</b>	If anticipated that prolonged & repeated skin contact will occur during use of this product, wear chemical resistant gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, or other appropriate governing standards.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate governing standards. An eyewash station and a safety shower are recommended.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Clear to pigmented viscous liquid.
<b>ODOR:</b>	Acrylate
<b>pH:</b>	ND
<b>ODOR THRESHOLD:</b>	ND
<b>BOILING POINT:</b>	ND
<b>MELTING POINT:</b>	ND
<b>VISCOSITY:</b>	ND
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	NA
<b>VAPOR PRESSURE:</b>	NA
<b>PERCENT VOLATILE W/W%:</b>	ND
<b>VAPOR DENSITY (AIR=1):</b>	ND
<b>VOC CONTENT BY WEIGHT:</b>	NA
<b>SOLUBILITY IN WATER:</b>	ND
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	ND

**SECTION 10 - STABILITY AND REACTIVITY**

<b>CONDITIONS TO AVOID:</b>	High temperatures, localized heat sources (example drum or band heaters) oxidizing conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers. Material has strong solvent properties and can soften paint and rubber.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Mainly Oxides of Carbon when burned.
<b>HAZARDOUS POLYMERIZATION:</b>	MAY OCCUR: X WILL NOT OCCUR:
<b>STABILITY:</b>	Unstable/Reactive upon depletion of inhibitor.

**SECTION 11- TOXICOLOGICAL PROPERTIES**

**TARGET ORGANS:**  
For Mixture: None Listed.

**TOXICITY DATA:**  
This product has NOT been tested on animals to obtain toxicology data. There may be toxicology data for the components of the product, which is found in scientific literature. This data has not been presented in this document.

**MUTAGENICITY DATA:** This product is not reported to produce mutagenic effects in humans.

**REPRODUCTIVE TOXICITY DATA:**  
Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.  
Teratogenicity: This product is not reported to cause teratogenic effects in humans.  
Reproductive Toxicity: This product is not reported to cause reproductive effects in humans.

**SECTION 12 - ECOLOGICAL INFORMATION****AQUATIC TOXICITY:**

There is no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

**ENVIRONMENTAL FATE:**

There is no specific data available for this product.

**SECTION 13 - DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD:**

Contaminated product/soil/water may be RCRA/OSHA hazardous waste due to potential for internal heat generation (40 CFR 261 and 29 CFR 1910). After addition of excess inhibitor, dispose waste material in accordance with Federal, State, and Local regulations.

**DISPOSAL OF EMPTY CONTAINERS:**


Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with Federal, State and Local regulations.

**SECTION 14 - TRANSPORTATION**

<b>DOT/UN SHIPPING NAME:</b>	Not regulated.
<b>DOT/UN CLASS:</b>	NA
<b>NA/UN NUMBER:</b>	NA
<b>PACKING GROUP:</b>	NA
<b>LABEL:</b>	NA
<b>IMDG CLASS:</b>	NA
<b>IMDG PG:</b>	NA
<b>DOT RQ:</b>	NA

## SECTION 15 - REGULATORY INFORMATION

**US:**

TSCA Inventory Status: The components of this product are listed or are excluded from listing on the TSCA Inventory. 

SARA Section 302: There are not any specific Threshold Planning Quantities for the components of this product.

SARA Section 311/312: Immediate (Acute) Health, Reactive

SARA Section 313: NA

CERCLA Reportable Quantity (RQ): NA

State Regulatory Information: This product may contain components that are covered under specific state criteria.

**CANADA:**

DSL/NDSL: The components of this product are listed on the DSL or NDSL.

WHMIS Hazard Class: D2B

Other: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. None of the components of this product are listed on the Priorities Substances List.

**EUROPE:**

EINECS: The components of this product are listed on or are excluded from listing on EINECS or the NLP List.

**HAZARD SYMBOLS:** Xi – Irritant

**RISK STATEMENTS:** R36/38 – Irritating to eyes and skin.  
R43 – May cause sensitization by skin contact

**SAFETY STATEMENTS:** S3 – Keep in a cool place.  
S7 – Keep container tightly closed.  
S9 – Keep container in a well-ventilated place.  
S20 – When using do not eat or drink.  
S 29 – Do not empty into drains.  
S37/39 – Wear suitable gloves and eye/face protection.


## SECTION 16 - OTHER INFORMATION

**HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:**

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT: Gloves and Safety Glasses or Chemical Splash Goggles. 

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:**

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 1

## SECTION 16 - OTHER INFORMATION - CONTINUED

**ABBREVIATIONS:**

NA	Not Applicable	ND	Not Determined
NE	Not Established		
ppm	parts per million	G	Gallon
mg	Milligram	L	Liter
gm	Gram	mol	Mole
kg	Kilogram	μ	Micro
mm	Millimeter	p	Pico
Pa	Pascals	c	cento
LC	Lethal Concentration	LD	Lethal Dose
TC	Toxic Concentration	TD	Toxic Dose
BOD	Biological Oxygen Demand	COD	Chemical Oxygen Demand
Lo	Lowest	ThOD	Theoretical Oxygen Demand
TLm	Threshold Limit	IC	Inhibitory Concentration
DOC	Dissolved Organic Carbon		
H	Hours	M	Months
D	Days	Y	Years
W	Weeks		

ACGIH American Conference of Governmental Industrial Hygienist

CPR Controlled Product's Regulation

DSL Canadian Domestic Substances List

NDSL Canadian Non-domestic Substance List

IARC International Agency for Research for Cancer

NOEL No Observed Effect Level

NOAEL No Observed Adverse Effect Level

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

TLV Threshold Limit Value

*THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200), CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.*



**Star Nail International, Inc. MATERIAL SAFETY DATA SHEET****SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**CHEMICAL NAME:** Urethane Acrylate Blend  
**PRODUCT NAME:** Eco Soak Off Gel- Base Coat  
**PRODUCT USE:** Organic Process Chemical  
**MANUFACTURER:** Star Nail International, Inc.  
**ADDRESS:** 29120 AVENUE PAINE  
VALENCIA, CA 91355  
**24 HR. EMERGENCY TELEPHONE:** CHEMTEL: 1-800-255-3924 or 813-248-0573  
**PREPARATION/UPDATE DATE:** 01/02/2014  
**PRINT DATE:** 6/10/14  
**MSDS ID:** M16-02

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

ITEM	CHEMICAL NAME	CAS NUMBER:	WT/WT %
01	Urethane Acrylate Oligomer Mixture	NA	40.0-80.0
02	Isobornyl Methacrylate	7534-94-3	10.0-40.0
03	Mono Methacrylate	27813-02-1	0.0-10.0
04	Photoinitiator	NA	0.0-10.0

ITEM	ACGIH		OSHA		Company Recommendation	SKIN
	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING		
01	NE	NE	NE	NE	NE	NE
02	NE	NE	NE	NE	NE	NE
03	NE	NE	NE	NE	NE	NE
04	NE	NE	NE	NE	NE	NE

Note this material contains an inhibitor (HQ, MEHQ, etc) at <1%. The type and amount meet product specifications. Contact manufacturer for exact concentration and details on inhibitor level maintenance.

See Section 16 for Abbreviations.

## SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:****WARNING:**

For Mixture:



Physical Hazards:		Unstable/Reactive upon depletion of inhibitor. <b>Check inhibitor levels periodically.</b>
Acute Hazards:	Eyes:	May cause irritation. Irritation may include excessive tearing, blinking and redness. May cause corneal opacity and/or permanent damage.
	Ingestion:	May be harmful and can cause nausea, vomiting, abdominal cramps.
	Inhalation:	Not expected to be a hazard due to low volatility under standard conditions. Aerosols or vapors, which are generated at elevated temperatures, may cause irritation.
	Skin:	May cause slight irritation. Possible skin sensitizer. May cause a severe reaction on repeated application which may include delayed irritation or blistering.
Chronic Hazards:	Respiratory Tract:	Prolonged or repeated exposure may cause irritation.

**CARCINOGENICITY:**

None of the components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

**PRIMARY ROUTES OF ENTRY:**

Inhalation, Skin or Eyes.

## SECTION 4 - FIRST AID MEASURES

**EMERGENCY AND FIRST AID PROCEDURES:**

EYES:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.
INGESTION:	If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.
INHALATION:	Remove to fresh air. Seek immediate medical attention.
SKIN:	If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.
CLOTHING:	Remove contaminated clothing, wash thoroughly before reuse.
TREATMENT:	Treat symptoms conventionally, after thorough decontamination.

## SECTION 5 - FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	>200 ° F, >93 ° C
<b>FLAMMABLE LIMIT, AIR VOL% LOWER:</b>	NE
<b>UPPER:</b>	NE
<b>AUTOIGNITION TEMPERATURE:</b>	NE
<b>EXTINGUISHER METHOD:</b>	Chemical foam, carbon dioxide, dry chemical.
<b>FIRE AND EXPLOSION HAZARDS:</b>	High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may cause spontaneous polymerizing reaction generating heat/pressure. Closed containers may rupture or explode during a runaway polymerization. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	When involved in a fire, this product may ignite and decompose to produce carbon oxides. Do not enter fire area without proper protection. Fight fire from a safe location. Heat/impurities may cause pressure to build and/or rupture closed containers, spreading fire, increasing risk of burns/injuries. Structural firefighters must wear SCBAs and full protective equipment.
<b>SENSITIVE TO MECHANICAL IMPACT:</b>	No.
<b>SENSITIVE TO STATIC DISCHARGE:</b>	No.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### ACCIDENTAL RELEASE:

Before cleaning any spill or leak, individuals involved must wear appropriate Personal Protective Equipment (e.g., goggles, gloves). Deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g. sand or earth). Maximize ventilation (open doors and windows) and secure all sources of ignition. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

**SECTION 7- HANDLING AND STORAGE**

<b>PRECAUTIONS FOR HANDLING:</b>	Use local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of material release. Refer to Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Hygienist. Observe precautions found on label.
<b>PRECAUTIONS FOR STORAGE:</b>	Product may congeal or stratify if subjected to below freezing temperatures. Store containers in a cool (40-80°F, 4-27°C), dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. Keep container closed after each use. <b>Check inhibitor levels periodically.</b> Do not blanket or mix with oxygen-free gas as it renders the inhibitor ineffective.
<b>INDUSTRIAL HYGIENE PRACTICES:</b>	Avoid contact with skin, eyes, clothing, and prolonged contact with the product. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

<b>VENTILATION:</b>	Refer to Section 7 regarding the ventilation requirements for working with this product. Use local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated.
<b>RESPIRATORY PROTECTION:</b>	A respirator should be worn whenever workplace conditions warrant a respirators use. None required if airborne concentrations are maintained below the exposure limit listed in Section 2. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.
<b>EYE PROTECTION:</b>	Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.
<b>PROTECTIVE GLOVES:</b>	If anticipated that prolonged & repeated skin contact will occur during use of this product, wear chemical resistant gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, or other appropriate governing standards.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate governing standards. An eyewash station and a safety shower are recommended.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Clear Viscous Liquid.
<b>ODOR:</b>	Acrylate
<b>pH:</b>	ND
<b>ODOR THRESHOLD:</b>	ND
<b>BOILING POINT:</b>	ND
<b>MELTING POINT:</b>	ND
<b>VISCOSITY:</b>	ND
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	NA
<b>VAPOR PRESSURE:</b>	NA
<b>PERCENT VOLATILE W/W%:</b>	ND
<b>VAPOR DENSITY (AIR=1):</b>	ND
<b>VOC CONTENT BY WEIGHT:</b>	NA
<b>SOLUBILITY IN WATER:</b>	ND
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	ND

## SECTION 10 - STABILITY AND REACTIVITY

<b>CONDITIONS TO AVOID:</b>	High temperatures, localized heat sources (example drum or band heaters) oxidizing conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers. Material has strong solvent properties and can soften paint and rubber.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Mainly Oxides of Carbon when burned.
<b>HAZARDOUS POLYMERIZATION:</b>	MAY OCCUR: X      WILL NOT OCCUR:
<b>STABILITY:</b>	Unstable/Reactive upon depletion of inhibitor.

## SECTION 11- TOXICOLOGICAL PROPERTIES

### TARGET ORGANS:

For Mixture: None Listed.

### TOXICITY DATA:

This product has NOT been tested on animals to obtain toxicology data. There may be toxicology data for the components of the product, which is found in scientific literature. This data has not been presented in this document.

**MUTAGENICITY DATA:** This product is not reported to produce mutagenic effects in humans.

### REPRODUCTIVE TOXICITY DATA:

Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.

**SECTION 12 - ECOLOGICAL INFORMATION****AQUATIC TOXICITY:**

There is no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

**ENVIRONMENTAL FATE:**

There is no specific data available for this product.

**SECTION 13 - DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD:**

Contaminated product/soil/water may be RCRA/OSHA hazardous waste due to potential for internal heat generation (40 CFR 261 and 29 CFR 1910). After addition of excess inhibitor, dispose waste material in accordance with Federal, State, and Local regulations.

**DISPOSAL OF EMPTY CONTAINERS:**

Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with Federal, State and Local regulations.

**SECTION 14 - TRANSPORTATION**

<b>DOT/UN SHIPPING NAME:</b>	Not regulated.
<b>DOT/UN CLASS:</b>	NA
<b>NA/UN NUMBER:</b>	NA
<b>PACKING GROUP:</b>	NA
<b>LABEL:</b>	NA
<b>IMDG CLASS:</b>	NA
<b>IMDG PG:</b>	NA
<b>DOT RQ:</b>	NA

## SECTION 15 - REGULATORY INFORMATION

**US:**

TSCA Inventory Status:

The components of this product are listed or excluded from listing



are

on the TSCA Inventory.

SARA Section 302:

There are not any specific Threshold Planning Quantities for the components of this product.

SARA Section 311/312:

Immediate (Acute) Health, Reactive

SARA Section 313:

NA

CERCLA Reportable Quantity (RQ):

NA

State Regulatory Information:

This product may contain components that are covered under specific state criteria.

**CANADA:**

DSL/NDSL:

The components of this product are listed on the DSL or NDSL.

WHMIS Hazard Class:

D2B

Other:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. None of the components of this product are listed on the Priorities Substances List.

**EUROPE:**

EINECS:

The components of this product are listed on or are excluded from listing on EINECS or the NLP List.

**HAZARD SYMBOLS:**

Xi – Irritant

**RISK STATEMENTS:**

R36/38 – Irritating to eyes and skin.

R43 – May cause sensitization by skin contact

**SAFETY STATEMENTS:**

S3 – Keep in a cool place.

S7 – Keep container tightly closed.

S9 – Keep container in a well-ventilated place.

S20 – When using do not eat or drink.

S 29 – Do not empty into drains.

S37/39 – Wear suitable gloves and eye/face protection.

## SECTION 16 - OTHER INFORMATION

**HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:**

HEALTH:

2

FLAMMABILITY:

1

REACTIVITY:

1

PERSONAL PROTECTIVE EQUIPMENT:

Gloves and Safety Glasses or Chemical Splash Goggles.

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:**

HEALTH:

2

FLAMMABILITY:

1

REACTIVITY:

1

## SECTION 16 - OTHER INFORMATION - CONTINUED

**ABBREVIATIONS:**

NA	Not Applicable	ND	Not Determined
NE	Not Established		
ppm	parts per million	G	Gallon
mg	Milligram	L	Liter
gm	Gram	mol	Mole
kg	Kilogram	μ	Micro
mm	Millimeter	p	Pico
Pa	Pascals	c	cento
LC	Lethal Concentration	LD	Lethal Dose
TC	Toxic Concentration	TD	Toxic Dose
BOD	Biological Oxygen Demand	COD	Chemical Oxygen Demand
Lo	Lowest	ThOD	Theoretical Oxygen Demand
TLm	Threshold Limit	IC	Inhibitory Concentration
DOC	Dissolved Organic Carbon		
H	Hours	M	Months
D	Days	Y	Years
W	Weeks		

ACGIH American Conference of Governmental Industrial Hygienist

CPR Controlled Product's Regulation

DSL Canadian Domestic Substances List

NDSL Canadian Non-domestic Substance List

IARC International Agency for Research for Cancer

NOEL No Observed Effect Level

NOAEL No Observed Adverse Effect Level

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

TLV Threshold Limit Value

*THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200), CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.*



# Star Nail International, Inc. MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**CHEMICAL NAME:** Urethane Acrylate Blend  
**PRODUCT NAME:** Eco Soak Off Gel- Air Waitress Red  
**PRODUCT USE:** Organic Process Chemical  
**MANUFACTURER:** Star Nail International, Inc.  
**ADDRESS:** 29120 Avenue Paine  
Valencia, CA 91355  
**24 HR. EMERGENCY TELEPHONE:** CHEMTEL: 1-800-255-3924 OR 813-248-0573  
**PREPARATION/UPDATE DATE:** 01/02/2014  
**PRINT DATE:** 6/10/14  
**MSDS ID:** M16-02

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER:	WT/WT %
01	Urethane Acrylate Oligomer Mixture	NA	40.0-80.0
02	Isobornyl Methacrylate	7534-94-3	10.0-40.0
03	Mono Methacrylate	27813-02-1	0.0-10.0
04	Photoinitiator	NA	0.0-10.0
05	Pigment	NA	0.0-5.0

ITEM	ACGIH		OSHA		Company Recommendation	SKIN
	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING		
01	NE	NE	NE	NE	NE	NE
02	NE	NE	NE	NE	NE	NE
03	NE	NE	NE	NE	NE	NE
04	NE	NE	NE	NE	NE	NE
05	NE	NE	NE	NE	NE	NE

Note this material contains an inhibitor (HQ, MEHQ, etc) at <1%. The type and amount meet product specifications. Contact manufacturer for exact concentration and details on inhibitor level maintenance.

See Section 16 for Abbreviations.

## SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:****WARNING:**

For Mixture:



Physical Hazards:

Unstable/Reactive upon depletion of inhibitor. **Check inhibitor levels periodically.**

Acute Hazards:

Eyes:

May cause irritation. Irritation may include excessive tearing, blinking and redness. May cause corneal opacity and/or permanent damage.

Ingestion:

May be harmful and can cause nausea, vomiting, abdominal cramps.

Inhalation:

Not expected to be a hazard due to low volatility under standard conditions. Aerosols or vapors, which are generated at elevated temperatures, may cause irritation.

Skin:

May cause slight irritation. Possible skin sensitizer. May cause a severe reaction on repeated application which may include delayed irritation or blistering.

Chronic Hazards:

Respiratory Tract:

Prolonged or repeated exposure may cause irritation.

**CARCINOGENICITY:**

None of the components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

**PRIMARY ROUTES OF ENTRY:**

Inhalation, Skin or Eyes.

## SECTION 4 - FIRST AID MEASURES

**EMERGENCY AND FIRST AID PROCEDURES:**

EYES:

If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

INGESTION:

If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

INHALATION:

Remove to fresh air. Seek immediate medical attention.

SKIN:

If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

CLOTHING:

Remove contaminated clothing, wash thoroughly before reuse.

TREATMENT:

Treat symptoms conventionally, after thorough decontamination.

## SECTION 5 - FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	>200 ° F, >93 ° C
<b>FLAMMABLE LIMIT, AIR VOL% LOWER:</b>	NE
UPPER:	NE
<b>AUTOIGNITION TEMPERATURE:</b>	NE
<b>EXTINGUISHER METHOD:</b>	Chemical foam, carbon dioxide, dry chemical.
<b>FIRE AND EXPLOSION HAZARDS:</b>	High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may cause spontaneous polymerizing reaction generating heat/pressure. Closed containers may rupture or explode during a runaway polymerization. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	When involved in a fire, this product may ignite and decompose to produce carbon oxides. Do not enter fire area without proper protection. Fight fire from a safe location. Heat/impurities may cause pressure to build and/or rupture closed containers, spreading fire, increasing risk of burns/injuries. Structural firefighters must wear SCBAs and full protective equipment.
<b>SENSITIVE TO MECHANICAL IMPACT:</b>	No.
<b>SENSITIVE TO STATIC DISCHARGE:</b>	No.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### ACCIDENTAL RELEASE:

Before cleaning any spill or leak, individuals involved must wear appropriate Personal Protective Equipment (e.g., goggles, gloves). Deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g. sand or earth). Maximize ventilation (open doors and windows) and secure all sources of ignition. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

**SECTION 7- HANDLING AND STORAGE**

<b>PRECAUTIONS FOR HANDLING:</b>	Use local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of material release. Refer to Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Hygienist. Observe precautions found on label.
<b>PRECAUTIONS FOR STORAGE:</b>	Product may congeal or stratify if subjected to below freezing temperatures. Store containers in a cool (40-80°F, 4-27°C), dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. Keep container closed after each use. <b>Check inhibitor levels periodically.</b> Do not blanket or mix with oxygen-free gas as it renders the inhibitor ineffective.
<b>INDUSTRIAL HYGIENE PRACTICES:</b>	Avoid contact with skin, eyes, clothing, and prolonged contact with the product. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

<b>VENTILATION:</b>	Refer to Section 7 regarding the ventilation requirements for working with this product. Use local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated.
<b>RESPIRATORY PROTECTION:</b>	A respirator should be worn whenever workplace conditions warrant a respirators use. None required if airborne concentrations are maintained below the exposure limit listed in Section 2. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.
<b>EYE PROTECTION:</b>	Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.
<b>PROTECTIVE GLOVES:</b>	If anticipated that prolonged & repeated skin contact will occur during use of this product, wear chemical resistant gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, or other appropriate governing standards.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate governing standards. An eyewash station and a safety shower are recommended.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Clear to pigmented viscous liquid.
<b>ODOR:</b>	Acrylate
<b>pH:</b>	ND
<b>ODOR THRESHOLD:</b>	ND
<b>BOILING POINT:</b>	ND
<b>MELTING POINT:</b>	ND
<b>VISCOSITY:</b>	ND
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	NA
<b>VAPOR PRESSURE:</b>	NA
<b>PERCENT VOLATILE W/W%:</b>	ND
<b>VAPOR DENSITY (AIR=1):</b>	ND
<b>VOC CONTENT BY WEIGHT:</b>	NA
<b>SOLUBILITY IN WATER:</b>	ND
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	ND

**SECTION 10 - STABILITY AND REACTIVITY**

<b>CONDITIONS TO AVOID:</b>	High temperatures, localized heat sources (example drum or band heaters) oxidizing conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers. Material has strong solvent properties and can soften paint and rubber.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Mainly Oxides of Carbon when burned.
<b>HAZARDOUS POLYMERIZATION:</b>	MAY OCCUR: X WILL NOT OCCUR:
<b>STABILITY:</b>	Unstable/Reactive upon depletion of inhibitor.

**SECTION 11- TOXICOLOGICAL PROPERTIES****TARGET ORGANS:**

For Mixture: None Listed.

**TOXICITY DATA:**

This product has NOT been tested on animals to obtain toxicology data. There may be toxicology data for the components of the product, which is found in scientific literature. This data has not been presented in this document.

**MUTAGENICITY DATA:** This product is not reported to produce mutagenic effects in humans.

**REPRODUCTIVE TOXICITY DATA:**

Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.  
Teratogenicity: This product is not reported to cause teratogenic effects in humans.  
Reproductive Toxicity: This product is not reported to cause reproductive effects in humans.

**SECTION 12 - ECOLOGICAL INFORMATION****AQUATIC TOXICITY:**

There is no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

**ENVIRONMENTAL FATE:**

There is no specific data available for this product.

**SECTION 13 - DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD:**

Contaminated product/soil/water may be RCRA/OSHA hazardous waste due to potential for internal heat generation (40 CFR 261 and 29 CFR 1910). After addition of excess inhibitor, dispose waste material in accordance with Federal, State, and Local regulations.

**DISPOSAL OF EMPTY CONTAINERS:**


Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with Federal, State and Local regulations.

**SECTION 14 - TRANSPORTATION**

<b>DOT/UN SHIPPING NAME:</b>	Not regulated.
<b>DOT/UN CLASS:</b>	NA
<b>NA/UN NUMBER:</b>	NA
<b>PACKING GROUP:</b>	NA
<b>LABEL:</b>	NA
<b>IMDG CLASS:</b>	NA
<b>IMDG PG:</b>	NA
<b>DOT RQ:</b>	NA

## SECTION 15 - REGULATORY INFORMATION

**US:**

TSCA Inventory Status: The components of this product are listed or are excluded from listing on the TSCA Inventory. 

SARA Section 302: There are not any specific Threshold Planning Quantities for the components of this product.

SARA Section 311/312: Immediate (Acute) Health, Reactive

SARA Section 313: NA

CERCLA Reportable Quantity (RQ): NA

State Regulatory Information: This product may contain components that are covered under specific state criteria.

**CANADA:**

DSL/NDSL: The components of this product are listed on the DSL or NDSL.

WHMIS Hazard Class: D2B

Other: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. None of the components of this product are listed on the Priorities Substances List.

**EUROPE:**

EINECS: The components of this product are listed on or are excluded from listing on EINECS or the NLP List.

**HAZARD SYMBOLS:** Xi – Irritant

**RISK STATEMENTS:** R36/38 – Irritating to eyes and skin.  
R43 – May cause sensitization by skin contact

**SAFETY STATEMENTS:** S3 – Keep in a cool place.  
S7 – Keep container tightly closed.  
S9 – Keep container in a well-ventilated place.  
S20 – When using do not eat or drink.  
S 29 – Do not empty into drains.  
S37/39 – Wear suitable gloves and eye/face protection.


## SECTION 16 - OTHER INFORMATION

**HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:**

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT: Gloves and Safety Glasses or Chemical Splash Goggles. 

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:**

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 1

## SECTION 16 - OTHER INFORMATION - CONTINUED

**ABBREVIATIONS:**

NA	Not Applicable	ND	Not Determined
NE	Not Established		
ppm	parts per million	G	Gallon
mg	Milligram	L	Liter
gm	Gram	mol	Mole
kg	Kilogram	μ	Micro
mm	Millimeter	p	Pico
Pa	Pascals	c	cento
LC	Lethal Concentration	LD	Lethal Dose
TC	Toxic Concentration	TD	Toxic Dose
BOD	Biological Oxygen Demand	COD	Chemical Oxygen Demand
Lo	Lowest	ThOD	Theoretical Oxygen Demand
TLm	Threshold Limit	IC	Inhibitory Concentration
DOC	Dissolved Organic Carbon		
H	Hours	M	Months
D	Days	Y	Years
W	Weeks		

ACGIH American Conference of Governmental Industrial Hygienist

CPR Controlled Product's Regulation

DSL Canadian Domestic Substances List

NDSL Canadian Non-domestic Substance List

IARC International Agency for Research for Cancer

NOEL No Observed Effect Level

NOAEL No Observed Adverse Effect Level

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

TLV Threshold Limit Value

*THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200), CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.*



# MATERIAL SAFETY DATA

## SECTION 1: IDENTIFICATION

<b>Product Name:</b>	<b>Eco Soak-Off Solution</b>	<b>Trade Name:</b>
<b>Manufacturer's Name:</b>	Star Nail International, Inc.	<b>Chemical Name:</b>
<b>Address :</b>	29120 Avenue Paine	<b>Proprietary Name:</b>
<b>City, State, Zip:</b>	Valencia, CA 91355	<b>Professional Name:</b>
<b>Emergency Telephone:</b>	(813) 248-0573 or (800) 255-3924	<b>1175:</b>
		<b>Date:</b> 01/15/2014

## SECTION 2: COMPOSITION and INFORMATION ON INGREDIENTS

<u>CAS No.</u>	<u>Ingredient Lists</u>
67-64-1	Acetone
8001-29-4	Gossypium Herbaceum (Cotton) Seed Oil
8001-21-6	Helianthus Annuus (Sunflower) Seed Oil
8001-23-8	Carthamus Tinctorius (Safflower) Seed Oil
58-95-7	Tocopheryl Acetate
-----	Parfum (Fragrance)

## SECTION 3: HAZARD DATA

Flammable Gel

**Route of Entry:** Inhalation; Absorption; Ingestion

**Routes of Exposure:**

**Ingestion:** If swallowed may cause nausea, vomiting and/or diarrhea.

**Eyes:**

May cause severe eye damage. The vapor is uncomfortable to the eye. Splashes may cause severe eye damage. Symptoms of overexposure may include redness, itching, irritation.

**Skin:**

May be irritating to skin.



## SECTION 4: FIRST AID MEASURES

**INGESTION:** If ingested, call Poison Control Center or local emergency number IMMEDIATELY. Provide an estimate of the time and amount of the substance that was swallowed.

**INHALATION:** Remove victim to fresh air at once.

**EYES:** If product is in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Consult a physician and show him the product's container or label.

**SKIN:** If redness, dryness or other signs of irritation to the skin develop, wash affected skin areas with plenty of warm water and soap. If irritation persists, consult a physician.

**Aggravation of Pre-existing Conditions:** N/A

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**SECTION 5: FIRE FIGHTING MEASURES**

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This product is **Highly Flammable**.



Keep away from sources of ignition --

**Flashpoint:**

**Autoignition Temperature:**

**Fire Extinguishing Media:**

Dry chemical, alcohol foam or carbon dioxide. Water may be ineffective. Water spray may be used to keep exposed containers cool.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protection Equipment. Maximize ventilation and secure all sources of ignition. Sweep up spilled material or remove spilled material with absorbent material and place into appropriate closed container for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash before they are worn again.

---

**SECTION 7: HANDLING and STORAGE**

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Use in a well-ventilated location and avoid breathing the vapors generated by this product. After using this product wash skin thoroughly with plenty of soap and water. If necessary, use a moisturizer after washing. Do not eat, drink, or smoke while handling this product. Keep away from excessive heat, open flames, spark and other possible sources of ignition. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. Avoid eye contact. As a precaution against exposure to the eyes this product should not be stored higher than waist level. Do not store where temperatures can exceed 120 °F. Clean all spills promptly and thoroughly. Keep away from children at all times!

---

**SECTION 8:**

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Use with adequate ventilation (e.g., local exhaust ventilation, fans).  
No special respiratory protection is required under typical circumstances of use or handling.  
Hand protection is not required under normal conditions of use but this product may cause skin irritation in some sensitive individuals. Not not classifiable as a human carcinogen.

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**SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

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<b>Specific Gravity:</b>	(H <sub>2</sub> O=1) :0.85 81-0.84	<b>Boiling</b>
<b>Vapor Pressure:</b>	24.7kP at 20 C/ 68F	<b>Physic</b>
<b>Odor:</b>	Acetone	<b>Density</b>
<b>Solubility in Water:</b>	at 20 C/ 68 F Completely miscible	<b>Melting</b>
<b>Density:</b>	NE	<b>pH:</b>
<b>Appearance:</b>	Clear Liquid	<b>Color:</b>

Stable when stored properly in a closed container.

Avoid exposure/contact to extreme temperatures, strong light sources, sparks and/or a flame.

**SECTION 11: TOXICOLOGICAL INFORMATION**

This product has NOT been tested on animals to obtain data. The toxicology data for the components of the product, which are found in scientific literature. The data includes CIR Reports which aren't presented here.

This product is not reported to cause reproductive toxicity in humans.  
This product is not reported to produce mutagenic effects in humans.  
This product is not reported to produce embryotoxic effects in humans.  
This product is not reported to cause teratogenic effects in humans.  
This product is not reported to cause reproductive effects in humans.  
This product is not reported to be toxic to aquatic life.

**SECTION 12: ECOLOGICAL INFORMATION**

The components of this product will degrade over time into a variety of organic compounds.  
There is no specific data available for this product on its effects on Plants & Animals.  
There is no specific data available for this product on its effect on Aquatic Life.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with local, state and Federal hazardous waste laws.

U.S. EPA Characteristic Waste: D001 (ignitability)

**SECTION 14: TRANSPORTATION INFORMATION****US Department of Transportation Classification (49CFR)**

Identification number	UN 1090
Class Division	3
Packing group	II
Hazardous subs/material RQ	Acetone/ 5,000lb

**IMDG**

Identification number	UN 1090
Class Division	3
Packing group	II

**IATA**

Identification number	UN 1090
Class Division	3
Packing group	II

**SECTION 15: REGULATORY INFORMATION**

**United States:**

This product complies with the Food and Cosmetic Regulations. Available animal and human data from the CIR Expert Panel reports conclude that the product are safe as a cosmetic ingredient at the concentration.

S2: Keep out of reach of children.

S9: Keep container in a well-ventilated area.  
S16: Keep away from sources of ignition.  
R11: Highly Flammable



**Flammable**

R36: Irritating to eyes



**Irritant**

S26: In case of contact with eyes, rinse thoroughly with water and seek medical advice.  
S46: If swallowed, seek medical advice immediately. Show this container or label to the medical professional.  
R66: Repeated exposure may cause sensitization to other respiratory problems.

**Canada Hotlist Designation:**

palmitate.  
permitted at concentrations equal to or less than 1.0%.

**European Union:**

All ingredients in this product are approved for use in cosmetics.

**SECTION 16: OTHER INFORMATION**

**Disclaimer:**

This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of Star Nail International's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to this specific product. If this product is combined with other materials, all components and all properties must be considered. Data may be updated from time to time. Always request the latest MSDS.

# ^ SHEET



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1/02/2014



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**MATERIAL SAFETY DATA SHEET**

**SECTION I Chemical Product and Company Identification**

Trade Name Appearing on Label: **ECO Nail Systems Finishing Wipe** Chemical Family: Solvent

Manufacturer/Distributor/Importers: Star Nail International, Inc.  
29120 Avenue Paine  
Valencia, CA 91355

Poison Control Center - Chem Tel: (800) 255-3954  
Poison Control Center - Chem Tel : (813) 248-0573

Prepared By: Star Nails – Regulatory  
Date prepared: 01/02/14  
Professional Use Only

**SECTION II Composition, Information or Ingredients**

Chemical Identity	%	CAS Number	OSHA (PEL)	Exposure Limits in Air	
				ACGIH (TLV)	Other
Hazardous Materials:					
Isopropyl Alcohol	98%	67-63-0	400 ppm	400 ppm	500 ppm
FD&C Blue 1	0.66%	3844-45-9	n/a	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 light 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:** Respiratory and Nervous systems.

**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, irritation to nose & throat. May cause mild irritation to respiratory tract and may result in central nervous system (CNS) depression.

**Medical Conditions Generally Aggravated by Exposure:** Respiratory and Nervous systems, eyes and skin.

**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:** If swallowed, do not induce vomiting; transport to nearest medical facility. If vomiting occurs spontaneously, keep head below hips to prevent aspirations, transport to nearest medical facility.

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**SECTION V Fire Fighting Measures**

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**Flash Point:** 12 C (53 F) TCC

**Flammable Limits in Air % - LEL:** 2, **UEL:** 12

**Extinguishing Media:** Water Fog X Dry Chemical X  
Carbon Dioxide \_X Foam \_X



**Fire Fighting Procedure:** Dry Chemical, foam, Carbon Dioxide or Water spray.

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**SECTION VI Accidental Release Measures**

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

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**SECTION VII Handling and Storage**

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**Handling:** Use a fan or exhaust when handling open containers. Do not store in aluminum or equipment.

**Storage:** Store at room temperature. Keep containers closed when not in use. Temperatures above 120F(49C)

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**SECTION VIII Exposure Controls and Personal Protection**

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

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**SECTION IX Physical and Chemical Properties**

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Water Solubility: Soluble	Specific Gravity: (H <sub>2</sub> O = 1):	0.79 @ 20C/4C
Appearance: Clear	Boiling Range: 49 °C / 120 F	
Physical Form: liquid	Melting Point: n/a	
%/Wt. Volatiles: @21C(69F):100 %	Vapor Pressure (mm Hg): 33 @ 21C / 69 F	
pH: n/a	Vapor Density: (Air = 1) 2.1 @ 21 C / 69 F	
Odor: Solvent & mild odor	Evaporation Rate: (BuAc=1) 1.4 (Ether =1)	
	Flashpoint:(MEK) -12 C (53 F) TCC	

**MSDS Finishing Wipe**

page 3 of 4

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**SECTION X Stability and Reactivity**

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

**Conditions to avoid:** Heat, Open flame, and sparks form ignition sources. Storage in temperatures above 35 C. Do not store in aluminum equipment at temperatures above 120 F (49C)

**Contact with Materials to avoid:** strong oxidizing agents.

**Hazardous Decomposition Products:** carbon monoxide and unidentified organic compounds may be formed during combustion.

**Hazardous Polymerization:** will not occur.

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**SECTION XI Toxicological Information**

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**LD50(Oral Rat)**  
5840 mg/kg

**LC50 (Inhal. Rat)**  
12000 ppm / 8 hours

**Ingestion:** Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis.  
**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, headache or nausea 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

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**SECTION XII Ecological Information**

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Ecotoxicity none

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**SECTION XIII Disposal Considerations**

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

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**SECTION XIV Transport Information**

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<b>Road Transport:</b>		<b>Maritime Transport:</b>	
Class:	3	UN Number:	1219
Packaging Group:	III	Class:	3
Label:	3	Packaging Group:	II
UN Number:	1219	Label:	3
		Flash Point:	12 C, Method TCC

**Air Transport:**  
 UN No. ID8000  
 Class: 3  
 Packaging Group: II  
 Packaging instr.: 910 (Passenger)

MSDS Finishing Wipe

page 4 of 4

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**SECTION XV Regulatory Information**

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**Labeling:**

**Symbol:** F

**Indication of Danger:** Flammable

**Risk Phrases:** Flammable

**DOT Shipping Name:** Isopropanol




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**SECTION XVI Other Information**

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**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.*

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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