Star Nail International MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL NAME: Urethane Acrylate Blend

PRODUCT NAME: Eco Soak Off Gels-ALL COLORS

PRODUCT USE: Organic Process Chemical

MANUFACTURER: Star Nail International 29120 AVENUE PAINE VALENCIA, CA 91355

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

PHONE: 1-661-257-7827 During Business Hours

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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 | Photoinitator | NA | 0.0-10.0 |

| | ACGIH | | OSHA | | Company | |
|------|---------|----------|---------|-------------|----------------|------|
| ITEM | TLV-TWA | TLV-STEL | PEL TWA | PEL CEILING | Recommendation | SKIN |
| 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. 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. 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.

Skin:

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

FLASH POINT: >200 °F, >93 °C

FLAMMABLE LIMIT, AIR VOL% LOWER: NE UPPER: NE

AUTOIGNITION TEMPERATURE: NE

EXTINGUISHER METHOD: Chemical foam, carbon dioxide, dry chemical.

FIRE AND EXPLOSION HAZARDS: 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

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.

SPECIAL FIRE FIGHTING PROCEDURES: 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.

SENSITIVE TO MECHANICAL IMPACT: No. SENSITIVE TO STATIC DISCHARGE: 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

PRECAUTIONS FOR HANDLING: 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.

PRECAUTIONS FOR STORAGE: 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. **Check inhibitor levels periodically.** Do not blanket or mix with oxygen-free gas as it renders the inhibitor ineffective.

INDUSTRIAL HYGIENE PRACTICES: 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

VENTILATION: 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.

RESPIRATORY PROTECTION: 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.

EYE PROTECTION: 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.

PROTECTIVE GLOVES: 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.

OTHER PROTECTIVE EQUIPMENT: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

APPEARANCE: Clear to pigmented viscous liquid.

ODOR: Acrylate :Hq ND **ODOR THRESHOLD:** ND **BOILING POINT:** ND **MELTING POINT:** ND **VISCOSITY:** ND SPECIFIC GRAVITY (H₂O=1): NA **VAPOR PRESSURE:** NA **PERCENT VOLATILE W/W%:** ND **VAPOR DENSITY** (AIR=1): ND **VOC CONTENT BY WEIGHT:** NA **SOLUBILITY IN WATER:** ND **COEFFICIENT OF WATER/OIL DISTRIBUTION:** ND

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: High temperatures, localized heat sources (example drum or band

heaters) oxidizing conditions, freezing conditions, direct sunlight,

ultraviolet radiation, inert gas blanketing.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong reducers, free radical initiators, inert

gases, oxygen scavengers. Material has strong solvent properties

and can soften paint and rubber.

HAZARDOUS DECOMPOSITION PRODUCTS: Mainly Oxides of Carbon when burned.

HAZARDOUS POLYMERIZATION: MAY OCCUR: X WILL NOT OCCUR:

STABILITY: 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

DOT/UN SHIPPING NAME: Not regulated.

DOT/UN CLASS:

NA
NA/UN NUMBER:

PACKING GROUP:

LABEL:

NA
IMDG CLASS:

NA
IMDG PG:

NA
DOT RQ:

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:

WHMIS Hazard Class:

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

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

| NA NE | Not Applicable Not Established | ND | Not Determined |
|-----------------------|---|--------------------|----------------------------------|
| ppm mg gm kg | parts per million Milligram Gram Kilogram | G L mol µ | Gallon Liter Mole Micro |
| mm | Millimeter | р | Pico |
| Pa | Pascals | С | cento |

| LC | Lethal Concentration | LD | Lethal Dose |
|-----|--------------------------|-----|--------------|
| TC | Toxic Concentration | TD | Toxic Dose |
| BOD | Biological Oxygen Demand | COD | Chemical Oxy |

ygen Demand Theoretical Oxygen Demand Lo Lowest ThOD TLm Threshold Limit IC **Inhibitory Concentration**

DOC **Dissolved Organic Carbon**

Months Н Hours M D Days Υ Years

W Weeks

ABBREVIATIONS:

ACGIH American Conference of Governmental Industrial Hygienist

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

Control Number 06-083

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200). AND 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.