

# SAFETY DATA SHEET

## Nano Stencil Clean

Page: 1 of 6

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** SMTDET-004-BULK  
**Product Name:** Nano Stencil Clean  
**Company Name:** Nano Stencil LLC  
31301 Glenbridge Rd.  
Westlake Village, CA 91361  
**Emergency Contact:** CHEMTREC

**Phone Number:**  
+1 (818) 266-4880  
+1 (800) 424-9300

### 2. HAZARDS IDENTIFICATION

**Acute Toxicity:** Oral, Category 4  
**Serious Eye Damage/Eye Irritation,** Category 2B  
**Skin Corrosion/Irritation,** Category 3



**GHS Signal Word:** Warning

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
H316 - Causes mild skin irritation.  
H320 - Causes eye irritation.

**GHS Precaution Phrases:** P102 - Keep out of reach of children.  
P103 - Read label before use.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/eye protection.

**GHS Response Phrases:** P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P315 - Get immediate medical advice/attention.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P315 - Get immediate medical advice/attention.  
P302 - IF ON SKIN: P352 - Wash with plenty of water.  
P332+313 - If skin irritation occurs, get medical advice/attention.

**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container in accordance to local, state and federal regulations.

**Potential Health Effects (Acute and Chronic):**

**Skin Contact:** May cause skin irritation. Repeated or prolonged exposure may cause drying of the skin.

**Eye Contact:** May cause eye irritation. May cause redness.

**Ingestion:** May be harmful if swallowed. May cause gastrointestinal irritation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
NA	Surfactant	< 5.0 %
7320-34-5	TKPP	< 5.0 %
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	< 5.0 %
102-71-6	Triethanolamine	< 5.0 %
112-34-5	Diethylene glycol monobutyl ether	< 5.0 %

**4. FIRST AID MEASURES****Emergency and First Aid  
Procedures:**

- In Case of Skin Contact:** Flush skin with plenty of water. Get medical aid if irritation develops or persists.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
- In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.
- Note to Physician:** Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

**5. FIRE FIGHTING MEASURES**

- Flash Pt:** NA
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** NA
- Suitable Extinguishing Media:** Use water fog, dry chemical, carbon dioxide, or alcohol-resistant foam.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Flammable Properties and Hazards:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.
- Hazardous Combustion Products:** No data available.

**6. ACCIDENTAL RELEASE MEASURES**

- Protective Precautions, Protective Equipment and Emergency Procedures:** Use proper personal protective equipment as indicated in Section 8.
- Environmental Precautions:** Observe all federal, state, and local environmental regulations.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

**7. HANDLING AND STORAGE**

- Precautions To Be Taken in Handling:** Do not get in eyes, on skin, or on clothing.
- Precautions To Be Taken in Storing:** Do not store in direct sunlight. Protect containers against damage. Keep container tightly closed in a dry and well-ventilated place.
- Other Precautions:** Handle in accordance with good industrial hygiene and safety practice.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Surfactant	No data.	No data.	No data.
7320-34-5	TKPP	No data.	No data.	No data.
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	No data.	No data.	No data.
102-71-6	Triethanolamine	No data.	TLV: 5 mg/m3	No data.

# SAFETY DATA SHEET

## Nano Stencil Clean

Page: 3 of 6

Printed: 08/01/2016

Revision: 08/01/2016

112-34-5 Diethylene glycol monobutyl ether

No data.

No data.

No data.

**Respiratory Equipment (Specify Type):** No special respiratory protection equipment is required with normal use.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.

**Other Protective Clothing:** No data available.

**Engineering Controls (Ventilation etc.):** No data available.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Straw-colored.  
Transparent. Mild Odor

**pH:** 8.3 - 8.9 (as concentrate)

**Melting Point:** NA

**Boiling Point:** NA

**Flash Pt:** NA

**Evaporation Rate:** NA

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: No data. UEL: No data.

**Vapor Pressure (vs. Air or mm Hg):** <0.1 mm Hg

**Vapor Density (vs. Air = 1):** NA

**Specific Gravity (Water = 1):** 1.045 - 1.065

**Solubility in Water:** 100%

**Saturated Vapor Concentration:** NA

**Octanol/Water Partition Coefficient:** No data.

**Autoignition Pt:** NA

**Decomposition Temperature:** NA

**Viscosity:** No data. **Percent Volatile:** <1% at 10% concentration

## 10. STABILITY AND REACTIVITY

**Reactivity:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, toxic fumes, of nitrogen, phosphorus, potassium and sodium oxides.

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Incompatible materials, High temperatures, Light.

**Incompatibility - Materials To Avoid:** No data available.

**Hazardous Decomposition or Byproducts:** No data available.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid -** No data available.

# SAFETY DATA SHEET

## Nano Stencil Clean

Page: 4 of 6

Printed: 08/01/2016

Revision: 08/01/2016

### Hazardous Reactions:

## 11. TOXICOLOGICAL INFORMATION

#### Toxicological Information:

Epidemiology: No information found.  
Teratogenicity: No information available.  
Reproductive Effects: No information available.  
Mutagenicity: No information available.  
Neurotoxicity: Acute toxicity. No data available.  
Respiratory or skin sensitization: No information available.

#### Irritation or Corrosion:

Other Studies: CAS# 102-71-6:  
Acute toxicity, LD50, Oral, Rat, 4920 ul/kg

Other Studies: CAS# 102-71-6:  
Standard Draize Test, Eyes, Species: Rabbit, 10.00 mg

Other Studies: CAS# 112-34-5:  
Acute toxicity, LD50, Oral, Rat, 5660 mg/kg

Other Studies: CAS# 112-34-5:  
Standard Draize Test, Eyes, Species: Rabbit, 20.0 mg, 24 H

#### Carcinogenicity/Other Information:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### Carcinogenicity:

NTP? No      IARC Monographs? No      OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
NA	Surfactant	n.a.	n.a.	n.a.	n.a.
7320-34-5	TKPP	n.a.	n.a.	n.a.	n.a.
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	n.a.	n.a.	n.a.	n.a.
102-71-6	Triethanolamine	n.a.	3	n.a.	n.a.
112-34-5	Diethylene glycol monobutyl ether	n.a.	n.a.	n.a.	n.a.

## 12. ECOLOGICAL INFORMATION

<b>General Ecological Information:</b>	Environmental: RoHS and REACH Compliant. Physical: Contains <1% VOCs at 10% concentration.
<b>Results of PBT and vPvB assessment:</b>	Other Studies: CAS# 102-71-6: LC50, Water Flea (Daphnia magna), 1390 mg/L, 24H, Intoxication LC50, Brine shrimp (Artemia salina), nauplii, 5600000 ug/L, 24H, Mortality  Other Studies: CAS# 112-34-5: LC50, Water Flea(Daphnia magna), 2850 mg/l, 24 H, Intoxication LC50, Carp (Leuciscus idus ssp. melanotus), 1805 mg/l, 48 H, Mortality  Other Studies: CAS# 7320-34-5: LC50, Zebra mussel (Dreissna polymorpha), adult(s), 94000 ug/L, 96H, Mortality
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method:</b>	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.
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## 14. TRANSPORT INFORMATION

### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not Regulated.  
**DOT Hazard Class:**  
**UN/NA Number:**

## 15. REGULATORY INFORMATION

### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	Surfactant	No	No	No
7320-34-5	TKPP	No	No	No
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	No	No	No
102-71-6	Triethanolamine	No	No	No
112-34-5	Diethylene glycol monobutyl ether	No	No	Yes-Cat. N230

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	Surfactant	TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
7320-34-5	TKPP	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
64-02-8	Ethylenediamine tetraacetic acid, tetrasodium salt	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No;

# SAFETY DATA SHEET

## Nano Stencil Clean

Page: 6 of 6

Printed: 08/01/2016

Revision: 08/01/2016

102-71-6	Triethanolamine	NY Part 597: No; PA HSL: No TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1
112-34-5	Diethylene glycol monobutyl ether	TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC; MA Oil/HazMat: No; MI CMR, Part 5: Part 5; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - c

### 16. OTHER INFORMATION

**Revision Date:** 08/01/2016

**Hazard Rating System:**

**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

While Nano Stencil LLC believes the statements set forth herein are accurate as of the date hereof, Nano Stencil LLC makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.