

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : Zani Shine  
Product code : 11743

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

Crestek Cleaning Center, Inc.  
1161 Kapiolani Blvd.  
Honolulu, HI 96814  
T 1-(808) 942-2500

**1.4. Emergency telephone number**

Emergency number : CHEMTEL: 800-255-3924

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GHS-US classification**

Eye Irrit. 2B H320

Full text of hazard classes, H- and EUH-statements: see section 16

**2.2. Label elements****GHS US labelling**

Signal word : Warning  
Hazard statements : Causes eye irritation.  
Precautionary statements : Wash hands and forearms thoroughly after handling.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

**2.3. Hazard not otherwise classified (HNOc)**

No data available

**2.4. Unknown acute toxicity (GHS US)**

No data available

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable.

(NOTE: If component displays the \* (asterisk) symbol, the following statement applies.)

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret.

Full text of H- and EUH-statements: see section 16

**3.2. Mixtures**

| Name                                         | Product identifier     | %      | GHS-US classification                                                |
|----------------------------------------------|------------------------|--------|----------------------------------------------------------------------|
| diethylene glycol monoethyl ether            | (CAS-No.) 111-90-0     | 5 – 10 | Eye Irrit. 2A, H319                                                  |
| acrylic polymer                              | (CAS-No.) Trade Secret | 5 – 10 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 3, H412 |
| Naturally-derived fatty acid, potassium salt | (CAS-No.) Trade Secret | 1 – 5  | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                            |

(NOTE: If component displays the \* (asterisk) symbol, the following statement applies.)

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret.

**SECTION 4: First aid measures****4.1. Description of first aid measures**

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

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|                                       |                                                                                                                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after skin contact | : If skin irritation or rash occurs: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, get medical attention.                                 |
| First-aid measures after eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.                                                                                                                   |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |                                                                                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : Not expected to present a significant hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| Symptoms/effects after skin contact | : May cause slight irritation.                                                                                                      |
| Symptoms/effects after eye contact  | : Causes eye irritation.                                                                                                            |
| Symptoms/effects after ingestion    | : FOLLOWING SYMPTOMS MAY APPEAR LATER: Irritation of the gastric/intestinal mucosa. Nausea.                                         |

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : Alcohol-resistant foam. BC powder. Carbon dioxide. Dry chemical powder. Sand/earth. |
| Unsuitable extinguishing media | : No unsuitable extinguishing media known.                                            |

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

|                                |                                                                                                                                                                       |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.                                                                       |
| Other information              | : No additional information available.                                                                                                                                |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |                                                             |
|------------------|-------------------------------------------------------------|
| General measures | : Isolate from fire, if possible, without unnecessary risk. |
|------------------|-------------------------------------------------------------|

##### 6.1.1. For non-emergency personnel

|                      |                                             |
|----------------------|---------------------------------------------|
| Protective equipment | : Protective goggles.<br>Protective gloves. |
| Emergency procedures | : Evacuate unnecessary personnel.           |

##### 6.1.2. For emergency responders

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| Protective equipment | : Equip cleanup crew with appropriate safety equipment. |
| Emergency procedures | : Ventilate area.                                       |

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply.                                                                                    |
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Wash down leftovers with plenty of water. |

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Do not get in eyes, on skin, or on clothing. Do not breathe mist, vapors. Ensure good ventilation of the work station. Observe normal hygiene standards. Use personal protective equipment as required.                                                               |
| Hygiene measures              | : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and forearms thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

#### 7.2. Conditions for safe storage, including any incompatibilities

|                       |                    |
|-----------------------|--------------------|
| Incompatible products | : Oxidizing agent. |
|-----------------------|--------------------|

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Storage area : Store in a cool, dry well-ventilated area. Keep container tightly closed when not in use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No data available

#### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Other information : Do not eat, drink or smoke during use.

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Colour : Milky-white  
Odour : Acrylic  
Odour threshold : No data available  
pH : 8.8 – 9.8  
Melting point : No data available  
Freezing point : No data available  
Boiling point : > 200 °F  
Flash point : > 200 °F  
Relative evaporation rate (butylacetate=1) : No data available  
Flammability : No data available  
Explosive limits : No data available  
Vapour pressure : No data available  
Vapor density : No data available  
Specific Gravity @ 77° F : 1.0067 – 1.0267  
Solubility : Water: Complete  
Partition Coefficient n-Octanol-Water : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity : No data available

#### 9.2. Other information

VOC content : < 15 g/l CARB VOC

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Stable under recommended conditions.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Extremely high or low temperatures.

#### 10.5. Incompatible materials

Oxidizers.

#### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Phosphorus oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| diethylene glycol monoethyl ether (111-90-0) |                       |
|----------------------------------------------|-----------------------|
| LD50 oral rat                                | 5445 mg/kg (Rat)      |
| LD50 dermal rat                              | 5940 mg/kg (Rat)      |
| LD50 dermal rabbit                           | > 5000 mg/kg (Rabbit) |
| LC50 Inhalation - Rat                        | > 5.2 mg/l/4h (Rat)   |
| ATE US (oral)                                | 5445 mg/kg bodyweight |
| ATE US (dermal)                              | 5940 mg/kg bodyweight |

| Naturally-derived fatty acid, potassium salt (Trade Secret) |              |
|-------------------------------------------------------------|--------------|
| LD50 oral rat                                               | > 5000 mg/kg |

Skin corrosion/irritation : Not classified

pH: 8.8 – 9.8

Serious eye damage/irritation : Causes eye irritation.

pH: 8.8 – 9.8

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met.

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Based on available data, the classification criteria are not met.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects after skin contact : May cause slight irritation.

Symptoms/effects after eye contact : Causes eye irritation.

Symptoms/effects after ingestion : FOLLOWING SYMPTOMS MAY APPEAR LATER: Irritation of the gastric/intestinal mucosa.  
Nausea.

### SECTION 12: Ecological information

#### 12.1. Toxicity

| diethylene glycol monoethyl ether (111-90-0) |                                                                               |
|----------------------------------------------|-------------------------------------------------------------------------------|
| LC50 - Fish [1]                              | 12900 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Flow-through system) |
| EC50 - Crustacea [1]                         | 3940 mg/l (48 h; Daphnia magna)                                               |
| EC50 - Other aquatic organisms [1]           | 10661 mg/l (Echinoidea; Growth)                                               |
| LC50 - Fish [2]                              | 9650 mg/l (96 h; Pimephales promelas; Flow-through system)                    |

| Naturally-derived fatty acid, potassium salt (Trade Secret) |                                     |
|-------------------------------------------------------------|-------------------------------------|
| LC50 - Fish [1]                                             | > 100 mg/l 96 hour                  |
| EC50 - Other aquatic organisms [1]                          | > 100 48 hour Aquatic invertebrates |
| ErC50 algae                                                 | > 100 mg/l 72 hour                  |

#### 12.2. Persistence and degradability

| diethylene glycol monoethyl ether (111-90-0) |                                         |
|----------------------------------------------|-----------------------------------------|
| Persistence and degradability                | Readily biodegradable in water.         |
| Biochemical oxygen demand (BOD)              | 0.2 g O <sub>2</sub> /g substance       |
| Chemical oxygen demand (COD)                 | 1.85 g O <sub>2</sub> /g substance      |
| ThOD                                         | 1.9078849 g O <sub>2</sub> /g substance |
| BOD (% of ThOD)                              | 0.11 % ThOD                             |

#### 12.3. Bioaccumulative potential

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### diethylene glycol monoethyl ether (111-90-0)

|                                                 |                                  |
|-------------------------------------------------|----------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -1.19 – -0.08                    |
| Bioaccumulative potential                       | Bioaccumulation: not applicable. |

#### 12.4. Other adverse effects

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with Local, State, and Federal regulations.  
Ecological waste information : Avoid release to the environment.

### SECTION 14: Transport information

#### 14.1. UN Number

UN-No. (DOT) : Not Regulated  
Other information : No supplementary information available.

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not Regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

|                                              |                      |         |
|----------------------------------------------|----------------------|---------|
| diethylene glycol monoethyl ether            | CAS-No. 111-90-0     | 5 – 10% |
| ammonia                                      | CAS-No. 1336-21-6    | < 1%    |
| Naturally-derived fatty acid, potassium salt | CAS-No. Trade Secret | 1 – 5%  |
| acrylic polymer                              | CAS-No. Trade Secret | 5 – 10% |
| Polyether Siloxane                           | CAS-No. 134180-76-0  | < 1%    |

### diethylene glycol monoethyl ether (111-90-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.  
Listed on the Canadian DSL (Domestic Substances List).

|                                     |                                 |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard |
|-------------------------------------|---------------------------------|

#### 15.2. International regulations

##### CANADA

### diethylene glycol monoethyl ether (111-90-0)

Listed on the Canadian DSL (Domestic Substances List).

#### EU-Regulations

No additional information available

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

#### 15.2.2. National regulations

#### 15.3. US State regulations

Prop 65 Disclaimer : This product contains a chemical that is at or below California Propositions 65's "safe harbor level" as determined via a risk assessment. Therefore, the chemical is not required to be listed as a Prop 65 chemical on the SDS or label.

### SECTION 16: Other information

Abbreviations Legend:

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
|-------------------|-------------------------------------------------------------------|

# Zani Shine

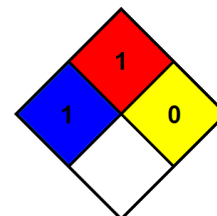
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|               |                                                   |
|---------------|---------------------------------------------------|
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2     |
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A    |
| Eye Irrit. 2B | Serious eye damage/eye irritation, Category 2B    |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2              |
| H315          | Causes skin irritation                            |
| H319          | Causes serious eye irritation                     |
| H320          | Causes eye irritation                             |
| H412          | Harmful to aquatic life with long lasting effects |

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 1

Flammability : 1

Physical : 0

Personal protection : B

B - Safety glasses, Gloves

### Disclaimer 2.0

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Revision date: 06/09/2025      Version: 1