

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

Product form : Mixture  
Product name : **Diamond Shine**  
Product code : 9096

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture : Sealer-Finish

**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**

Skin Irrit. 2 H315  
Eye Dam. 1 H318

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

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

Hazard pictograms :



GHS05

Signal word : Danger

Hazard statements : Causes skin irritation.  
Causes serious eye damage.

Precautionary statements : Wash hands, forearms and face thoroughly after handling.  
Wear protective clothing, protective clothing, eye protection, face protection.  
IF ON SKIN: Wash with plenty of water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor.  
Specific treatment (see supplemental first aid instruction on this label).  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.

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

Other hazards which do not result in classification : No additional information 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**

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| Name                              | Product identifier     | %       | GHS-US classification                                                                                                             |
|-----------------------------------|------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------|
| acrylic polymer                   | (CAS-No.) Trade Secret | 15 – 20 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 3, H412                                                              |
| diethylene glycol monoethyl ether | (CAS-No.) 111-90-0     | 1 – 5   | Eye Irrit. 2A, H319                                                                                                               |
| tris(2-butoxyethyl)phosphate      | (CAS-No.) 78-51-3      | 1 – 5   | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Aquatic Chronic 3, H412 |
| ammonium hydroxide                | (CAS-No.) 1336-21-6    | 1 - 5   | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314<br>Aquatic Acute 1, H400                                                         |

(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.                                   |
| 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. Consult a doctor/medical service if you feel unwell.                                                                                                  |

#### 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 | : Contact during a long period may cause light irritation.                                                                          |
| Symptoms/effects after eye contact  | : Slight 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   | : Extinguishing media for surrounding fires. Adapt extinguishing media to the environment. |
| 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 gloves.<br>Protective goggles. |
| Emergency procedures | : Evacuate unnecessary personnel.           |

##### 6.1.2. For emergency responders

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

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### 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. Wash clothing and equipment after handling.

### 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 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.

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

| ammonia (1336-21-6) |                |                      |
|---------------------|----------------|----------------------|
| ACGIH               | ACGIH OEL TWA  | 25 ppm               |
| ACGIH               | ACGIH OEL STEL | 25 ppm               |
| OSHA                | OSHA PEL TWA   | 18 mg/m <sup>3</sup> |
| OSHA                | OSHA PEL TWA   | 25 ppm               |
| OSHA                | OSHA PEL STEL  | 27 mg/m <sup>3</sup> |
| OSHA                | OSHA PEL STEL  | 35 ppm               |

### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : In case of repeated or prolonged contact wear gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. When working with concentrations above the exposure limit, users must wear an appropriate certified respirator.

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 – 9

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

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|                                       |                        |
|---------------------------------------|------------------------|
| Flammability                          | : No data available    |
| Explosive limits                      | : No data available    |
| Vapour pressure                       | : No data available    |
| Vapor density                         | : No data available    |
| Specific Gravity @ 77° F              | : 1.0254 – 1.0454      |
| Solubility                            | : Dispersible in water |
| 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 | : < 5 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. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Phosphorus oxides. Nitrogen oxides. Aldehydes.

## 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 |

#### tris(2-butoxyethyl)phosphate (78-51-3)

|                    |                        |
|--------------------|------------------------|
| LD50 oral rat      | 3000 mg/kg (Rat)       |
| LD50 dermal rabbit | > 16000 mg/kg (Rabbit) |
| ATE US (oral)      | 500 mg/kg bodyweight   |
| ATE US (dermal)    | 1100 mg/kg bodyweight  |

#### ammonia (1336-21-6)

|               |                                                                                   |
|---------------|-----------------------------------------------------------------------------------|
| LD50 oral rat | 350 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Experimental value) |
| ATE US (oral) | 350 mg/kg bodyweight                                                              |

|                                   |                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------|
| Skin corrosion/irritation         | : Causes skin irritation.<br>pH: 8 – 9                                                |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>pH: 8 – 9                                             |
| Respiratory or skin sensitisation | : Not classified                                                                      |
| Germ cell mutagenicity            | : Not classified<br>Based on available data, the classification criteria are not met. |
| Carcinogenicity                   | : Not classified                                                                      |

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|                                                     |                                                                                                |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------|
| Reproductive toxicity                               | : Not classified<br>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                 | : Contact during a long period may cause light irritation.                                     |
| Symptoms/effects after eye contact                  | : Slight Irritation.                                                                           |
| Symptoms/effects after ingestion                    | : FOLLOWING SYMPTOMS MAY APPEAR LATER: Irritation of the gastric/intestinal mucosa.<br>Nausea. |

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                                                     |                                                                               |
|-----------------------------------------------------|-------------------------------------------------------------------------------|
| <b>diethylene glycol monoethyl ether (111-90-0)</b> |                                                                               |
| 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)                    |
| <b>tris(2-butoxyethyl)phosphate (78-51-3)</b>       |                                                                               |
| LC50 - Fish [1]                                     | 10 – 100 mg/l (96 h; Brachydanio rerio)                                       |
| EC50 - Crustacea [1]                                | 10 – 100 mg/l (48 h; Daphnia magna)                                           |
| <b>ammonia (1336-21-6)</b>                          |                                                                               |
| LC50 - Fish [1]                                     | 0.16 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Solution >=50%)       |
| LC50 - Other aquatic organisms [1]                  | 1 – 10 mg/l (96 h; Solution >=50%)                                            |
| LC50 - Fish [2]                                     | 0.75 – 3.4 mg/l (96 h; Pimephales promelas; Solution >=50%)                   |
| Threshold limit - Other aquatic organisms [1]       | 1 - 10,96 h; Solution >=50%                                                   |

#### 12.2. Persistence and degradability

|                                                     |                                                                                                                                                             |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>diethylene glycol monoethyl ether (111-90-0)</b> |                                                                                                                                                             |
| 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                                                                                                                                                 |
| <b>tris(2-butoxyethyl)phosphate (78-51-3)</b>       |                                                                                                                                                             |
| Persistence and degradability                       | Inherently biodegradable. Biodegradability in soil: no data available.                                                                                      |
| Chemical oxygen demand (COD)                        | 1.839 g O <sub>2</sub> /g substance                                                                                                                         |
| <b>ammonia (1336-21-6)</b>                          |                                                                                                                                                             |
| Persistence and degradability                       | Readily biodegradable in water. Ozonation in water. Biodegradable in the soil. No (test) data on mobility of the substance available. Ozonation in the air. |

#### 12.3. Bioaccumulative potential

|                                                     |                                                  |
|-----------------------------------------------------|--------------------------------------------------|
| <b>diethylene glycol monoethyl ether (111-90-0)</b> |                                                  |
| Partition coefficient n-octanol/water (Log Pow)     | -1.19 – -0.08                                    |
| Bioaccumulative potential                           | Bioaccumulation: not applicable.                 |
| <b>tris(2-butoxyethyl)phosphate (78-51-3)</b>       |                                                  |
| Bioaccumulative potential                           | No bioaccumulation data available.               |
| <b>ammonia (1336-21-6)</b>                          |                                                  |
| Partition coefficient n-octanol/water (Log Pow)     | -1.14 (Literature study)                         |
| Bioaccumulative potential                           | Low potential for bioaccumulation (Log Kow < 4). |

#### 12.4. Other adverse effects

|                   |                                     |
|-------------------|-------------------------------------|
| Other information | : Avoid release to the environment. |
|-------------------|-------------------------------------|

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### 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     | 1 – 5%   |
| tris(2-butoxyethyl)phosphate      | CAS-No. 78-51-3      | 1 – 5%   |
| Acrylic Polymer                   | CAS-No. Proprietary  | 1 – 5%   |
| acrylic polymer                   | CAS-No. Trade Secret | 15 – 20% |
| ammonium hydroxide                | CAS-No. 1336-21-6    | 1 - 5%   |

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|         |                   |        |
|---------|-------------------|--------|
| ammonia | CAS-No. 1336-21-6 | 1 - 5% |
|---------|-------------------|--------|

##### 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

##### tris(2-butoxyethyl)phosphate (78-51-3)

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

##### ammonia (1336-21-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.  
Subject to reporting requirements of United States SARA Section 313.  
Listed on the Canadian DSL (Domestic Substances List).

RQ (Reportable quantity, section 101(14) of CERCLA as published on EPA's List of Lists) : 1000 lb  
SARA Section 311/312 Hazard Classes : Immediate (acute) health hazard

#### 15.2. International regulations

##### CANADA

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

Listed on the Canadian DSL (Domestic Substances List).

##### tris(2-butoxyethyl)phosphate (78-51-3)

Listed on the Canadian DSL (Domestic Substances List).

##### ammonia (1336-21-6)

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

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### 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: |                                                                   |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4                               |
| Acute Tox. 4 (Oral)   | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1       | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 3     | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1            | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2          | Serious eye damage/eye irritation, Category 2                     |
| Eye Irrit. 2A         | Serious eye damage/eye irritation, Category 2A                    |
| Skin Corr. 1B         | Skin corrosion/irritation Category 1B                             |
| Skin Irrit. 2         | Skin corrosion/irritation Category 2                              |
| H302                  | Harmful if swallowed                                              |
| H312                  | Harmful in contact with skin                                      |
| H314                  | Causes severe skin burns and eye damage                           |
| H315                  | Causes skin irritation                                            |
| H318                  | Causes serious eye damage                                         |
| H319                  | Causes serious eye irritation                                     |
| H400                  | Very toxic to aquatic life                                        |
| H412                  | Harmful to aquatic life with long lasting effects                 |

NFPA health hazard

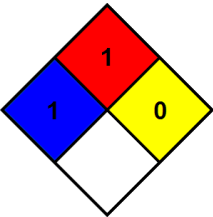
: 1 - Materials that, under emergency conditions, can cause significant irritation.

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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ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO CUSTOMER SERVICE 1-(808) 942-2500

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