

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Product name : **Shield All**  
Product code : 1293

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

Use of the substance/mixture : Protective Coating

### 1.3. Details of the supplier of the safety data sheet

Flo-Kem  
19402 Susana Rd.  
Rancho Dominguez, CA 90221 - USA  
T 310-632-7124 - F 310-631-7496  
<http://www.flo-kem.com>

### 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. 2A H319

Full text of H statements : see section 16

### 2.2. Label elements

#### GHS-US labeling

Hazard pictograms :



GHS07

Signal word : Warning  
Hazard statements : Causes serious eye irritation.  
Precautionary statements : Wash hands and forearms thoroughly after handling.  
Wear eye protection, protective gloves.  
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 additional information available

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

2.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
2.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
2.1 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

## 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-phrases: see section 16

### 3.2. Mixture

| Name                                                           | Product identifier   | %       | GHS-US classification |
|----------------------------------------------------------------|----------------------|---------|-----------------------|
| poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)- omega hydroxy | (CAS No) 160875-66-1 | 0.1 - 5 | Eye Dam. 1, H318      |

(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

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### 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 soap and 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/injuries                    | : Not expected to present a significant hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| Symptoms/injuries after skin contact | : Slight irritation.                                                                                                                |
| Symptoms/injuries after eye contact  | : Causes serious eye irritation.                                                                                                    |
| Symptoms/injuries after ingestion    | : FOLLOWING SYMPTOMS MAY APPEAR LATER: Gastrointestinal complaints. Irritation of the gastric/intestinal mucosa.                    |

#### 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 | : Do not use a heavy water stream.                                                    |

#### 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 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 proper protection. |
| 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 substance, 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 Heading 8. Exposure controls and personal protection.

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## Safety Data Sheet

### 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. Provide good ventilation in process area to prevent formation of vapor. 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

|                       |                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------|
| Technical measures    | : Provide local exhaust or general room ventilation. Comply with applicable regulations.    |
| 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

#### 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           | : Respiratory protection not required in normal conditions.                                                                  |
| Other information                | : When using, do not eat, drink or smoke.                                                                                    |
| 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            |
| Color                                       | : White             |
| Odor                                        | : Lemon             |
| Odor threshold                              | : No data available |
| pH                                          | : 7 - 8             |
| Melting point                               | : No data available |
| Freezing point                              | : No data available |
| Boiling point                               | : No data available |
| Flash point                                 | : > 200 °F          |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas)                   | : No data available |
| Explosion limits                            | : No data available |
| Vapor pressure                              | : No data available |
| Vapor density                               | : No data available |
| Specific Gravity @ 77° F                    | : 0.992 - 1.012     |
| Solubility                                  | : Soluble 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 | : < 1 g/l |
|-------------|-----------|

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## Safety Data Sheet

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Stable under normal 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. Nitrogen oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                                                     |                                                                                                                  |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Acute toxicity                                      | : Not classified                                                                                                 |
| Skin corrosion/irritation                           | : Not classified<br>pH: 7 - 8                                                                                    |
| Serious eye damage/irritation                       | : Causes serious eye irritation.<br>pH: 7 - 8                                                                    |
| Respiratory or skin sensitization                   | : Not classified                                                                                                 |
| Germ cell mutagenicity                              | : Not classified<br>Based on available data, the classification criteria are not met                             |
| Carcinogenicity                                     | : Not classified                                                                                                 |
| Reproductive toxicity                               | : Not classified<br>Based on available data, the classification criteria are not met                             |
| Specific target organ toxicity – single exposure    | : Not classified                                                                                                 |
| Specific target organ toxicity – 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/injuries after skin contact                | : Slight irritation.                                                                                             |
| Symptoms/injuries after eye contact                 | : Causes serious eye irritation.                                                                                 |
| Symptoms/injuries after ingestion                   | : FOLLOWING SYMPTOMS MAY APPEAR LATER: Gastrointestinal complaints. Irritation of the gastric/intestinal mucosa. |

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 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.

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Ecology - waste materials : 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

DOT Proper Shipping Name : Not Regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

|                                                                                     |                                 |        |
|-------------------------------------------------------------------------------------|---------------------------------|--------|
| acetaldehyde                                                                        | CAS No 75-07-0                  | < 0.1% |
| <b>poly(oxy-1,2-ethanediyl),alpha-(2-propylheptyl)- omega hydroxy (160875-66-1)</b> |                                 |        |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory           |                                 |        |
| SARA Section 311/312 Hazard Classes                                                 | Immediate (acute) health hazard |        |

#### 15.2. International regulations

##### CANADA

##### EU-Regulations

No additional information available

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

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

Not classified

#### 15.2.2. National regulations

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

Prop 65 Comments :Acetaldehyde (CAS#75-07-0): < 30 ppm  
Diethanolamine (CAS#111-42-2): < 14 ppm

### SECTION 16: Other information

Abbreviations Legend:

|      |                               |
|------|-------------------------------|
| H318 | Causes serious eye damage     |
| H319 | Causes serious eye irritation |

#### Disclaimer

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ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO CUSTOMER SERVICE (310) 632-7124

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