

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** KC-101 Pine Cleaner Plus

**Other means of identification**

**Product Code** 20166

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Floor and hard surface cleaner

**Uses advised against** Follow the directions for use on the label when applying this product

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

Safe Foods Chemical Innovations  
1501 E. 8<sup>th</sup> Street  
North Little Rock, AR 72114

**Emergency telephone number**

**Company Phone Number** 501-758-8500  
**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |            |
|-----------------------------------|------------|
| Serious eye damage/eye irritation | Category 1 |
|-----------------------------------|------------|

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

Causes serious eye damage



|                              |                           |                      |
|------------------------------|---------------------------|----------------------|
| <b>Physical state</b> Liquid | <b>Color</b> Clear, Amber | <b>Odor</b> Pine oil |
|------------------------------|---------------------------|----------------------|

**Precautionary Statements – Prevention**

Wear eye protection/ face protection

**Precautionary Statements – Response**

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 or doctor

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

• Harmful to aquatic life with long lasting effects

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                     | CAS No.    | weight-% |
|-----------------------------------|------------|----------|
| Water                             | 7732-18-5  | 75-90    |
| Diethylene glycol monobutyl ether | 112-34-5   | 3-9      |
| Alkyl polyglucoside               | 68515-73-1 | 2-8      |
| Pine oil                          | 8002-09-3  | 1-3      |
| Alcohols, C9-11 ethoxylate        | 68439-46-3 | 1-3      |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

**First aid measures**

**Eye contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing and shoes before reuse.

**Inhalation** Remove to fresh air. Administer oxygen if breathing is difficult. Call a physician immediately.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** See Section 11 for symptom information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Dry chemical. Water spray (fog). Carbon dioxide (CO2). Foam.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

**For emergency responders** Isolate area. Keep unnecessary personnel away.

**Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. See section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

**Incompatible materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

| Chemical Name                                 | ACGIH TLV                                | OSHA PEL | NIOSH IDLH |
|---|--|----------|------------|
| Diethylene glycol monobutyl ether<br>112-34-5 | TWA: 10 ppm inhalable fraction and vapor | -        | -          |

**Appropriate engineering controls**

**Engineering Controls** Showers, eyewash stations, ventilation system.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective Neoprene™ gloves or rubber gloves. Normal work clothing (long sleeved shirt and long pants) is recommended.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be

required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not eat, drink or smoke when using this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                                       |                          |                         |                          |
|---------------------------------------|--------------------------|-------------------------|--------------------------|
| <b>Physical state</b>                 | Liquid                   |                         |                          |
| <b>Appearance</b>                     | No information available | <b>Odor</b>             | Pine oil                 |
| <b>Color</b>                          | Amber                    | <b>Odor threshold</b>   | No information available |
| <b>Property</b>                       | <b>Values</b>            | <b>Remarks • Method</b> |                          |
| <b>pH</b>                             | 7.92                     |                         |                          |
| <b>Melting point / freezing point</b> | -1.2°C / 29.84°F         |                         |                          |
| <b>Boiling point / boiling range</b>  | No information available |                         |                          |
| <b>Flash point</b>                    | No information available |                         |                          |
| <b>Evaporation rate</b>               | No information available |                         |                          |
| <b>Flammability (solid, gas)</b>      | No information available |                         |                          |
| <b>Flammability Limit in Air</b>      | No information available |                         |                          |
| <b>Upper flammability limit:</b>      | No information available |                         |                          |
| <b>Lower flammability limit:</b>      | No information available |                         |                          |
| <b>Vapor pressure</b>                 | No information available |                         |                          |
| <b>Vapor density</b>                  | No information available |                         |                          |
| <b>Specific Gravity</b>               | 1.016 g/cc               |                         |                          |
| <b>Water solubility</b>               | No information available |                         |                          |
| <b>Solubility in other solvents</b>   | No information available |                         |                          |
| <b>Partition coefficient</b>          | No information available |                         |                          |
| <b>Autoignition temperature</b>       | No information available |                         |                          |
| <b>Decomposition temperature</b>      | No information available |                         |                          |
| <b>Kinematic viscosity</b>            | No information available |                         |                          |
| <b>Dynamic viscosity</b>              | No information available |                         |                          |
| <b>Explosive properties</b>           | No information available |                         |                          |
| <b>Oxidizing properties</b>           | No information available |                         |                          |

**Other Information**

|                  |                          |
|------------------|--------------------------|
| Softening Point  | No information available |
| Molecular Weight | No information available |
| VOC Content (%)  | 0.00%                    |
| Density          | 8.479 lbs/gal            |
| Bulk density     | No information available |

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

None known.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Inhalation of vapors in high concentration may cause irritation of respiratory system. Vapors may be irritating to eyes, nose, throat, and lungs. |
| <b>Eye contact</b>  | Risk of serious damage to eyes.   |
| <b>Skin contact</b> | Prolonged contact may cause irritation.   |
| <b>Ingestion</b>    | No data available.  |

| Chemical Name                              | Oral LD50            | Dermal LD50             | Inhalation LC50         |
|--|----------------------|-------------------------|-------------------------|
| Diethylene glycol monobutyl ether 112-34-5 | = 5660 mg/kg ( Rat ) | = 2700 mg/kg ( Rabbit ) | -                       |
| Alkyl polyglucoside 68515-73-1             | -                    | > 2000 mg/kg ( Rabbit ) | -                       |
| Pine oil 8002-09-3                         | = 3200 mg/kg ( Rat ) | = 400 mg/kg ( Rabbit )  | > 3.79 mg/L ( Rat ) 4 h |
| Alcohols, C9-11 ethoxylate 68439-46-3      | = 1400 mg/kg ( Rat ) | -                       | -                       |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 20 % of the mixture consists of ingredient(s) of unknown toxicity

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Harmful to aquatic life with long lasting effects

5 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                              | Algae/aquatic plants                        | Fish  | Crustacea  |
|--|---|---|--|
| Diethylene glycol monobutyl ether 112-34-5 | 100: 96 h Desmodesmus subspicatus mg/L EC50 | 1300: 96 h Lepomis macrochirus mg/L LC50 static | 100: 48 h Daphnia magna mg/L EC50                  |
| Alkyl polyglucoside 68515-73-1             | -   | 170: 96 h Danio rerio mg/L LC50 semi-static     | -  |
| Pine oil 8002-09-3                         | -   | -   | 17 - 28: 48 h Daphnia magna mg/L EC50 Flow through |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

Soluble in water.

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated.

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies

**DSL/NDSL** Complies

**EINECS/ELINCS** No information available.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**Chemical Name** Diethylene glycol monobutyl ether - 112-34-5 **SARA 313 - Threshold Values %** 1.0

**SARA 311/312 Hazard Categories**

Acute health hazard No  
 Chronic Health Hazard No  
 Fire Hazard No  
 Sudden release of pressure hazard No  
 Reactive Hazard No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name                                 | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Diethylene glycol monobutyl ether<br>112-34-5 | X          | -             | X            |
| Pine oil<br>8002-09-3                         | X          | -             | -            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable.

**16. OTHER INFORMATION**

|             |                  |                |                    |  |
|-------------|------------------|----------------|--------------------|--|
| <b>NFPA</b> | Health hazards 0 | Flammability 0 | Instability 0      | Physical and Chemical Properties -<br>Personal protection<br>B |
| <b>HMIS</b> | Health hazards 0 | Flammability 0 | Physical hazards 0 |  |

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The health hazards given on this SDS apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

**End of Safety Data Sheet**