**PINE CLEANER**

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

**1.1. Product identifier**

Product form : Mixture

Product name : PINE FRESH, PINE CLEAN, PINE 25

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

Use of the substance/mixture : Cleaner and deodorizer

Use of the substance/mixture : Cleansing product

Degreasing agent

**1.3. Details of the supplier of the safety data sheet** Sunline, LLC

615 Brookhaven Dr..

Orlando, FL 32803 Tel: 407-896-2129

**1.4.**

**Emergency telephone number**

Emergency number : 407-415-8751

(Nights and Weekends)

**SECTION 2**

**:**

**Hazar**

**ds identification**

**2.1.**

**Classification of the substance or**

**mixture**

**GHS-US classification**

Skin Corr. 1A H314

Full text of H

-

phrases: see section 16

**2.2.**

**Label elements**

**GHS**

**-**

**US labelling**

Hazard pictograms (GHS

-

US)

:



GHS05

Signal word (GHS

-

US)

:

Danger

|  |  |
| --- | --- |
| Hazard statements (GHS-US) | : H314 - Causes severe skin burns and eye damage |
| Precautionary statements (GHS-US) | : P260 - Do not breathe mist  P264 - Wash hands, forearms and face thoroughly after handling  P280 - Wear gloves and protective eyewear  P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting  P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  P363 - Wash contaminated clothing before reuse  P501 - Dispose of contents/container in accordance with local/regional/national/international regulations |

**2.3.**

**Other hazards**

No additional information available

**Unknown acute toxicity (GHS-US)**

**2.4.**

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

**3.2. Mixture**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Product identifier** | **%** | **GHS-US classification** |
| potassium hydroxide, 45%=<conc<50%, aqueous solutions | (CAS No) 1310-58-3 | < 5 | Acute Tox. 3 (Oral), H301  Skin Corr. 1A, H314  Aquatic Acute 3, H402 |

Full text of H-phrases: see section 16

# SECTION 4: First aid measures

**4.1.**

**Description of first aid measures**

First-aid measures after skin contact : Gently wash with plenty of soap and water.

First-aid measures after eye contact : Rinse immediately with plenty of water. First-aid measures after ingestion : Drink plenty of water.

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

Symptoms/injuries after skin contact : Slight irritation.

Symptoms/injuries after eye contact : Causes eye irritation.

**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:

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

Fire hazard : Not flammable.

Explosion hazard : Not applicable.

Reactivity : No data available.

**5.3.**

**Advice for firefighters**

Firefighting instructions : No specific fire-fighting instructions required.

# SECTION 6: Accidental release measures

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

General measures : Absorb spillage to prevent material damage.

**6.1.1. For non-emergency personnel**

No additional information available

**6.1.2. For emergency responders**

No additional information available

**Environmental precautions**

**6.2.**

No additional information available

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

No additional information available

**Reference to other sections**

**6.4.**

No additional information available

# SECTION 7: Handling and storage

**7.1.**

**Precautions for safe handling**

Precautions for safe handling : Avoid contact with skin and eyes.

Hygiene measures : 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**

Storage conditions : Store in a closed container.

**Specific end use(s)**

**7.3.**

No additional information available

# SECTION 8: Exposure controls/personal protection

**8.1.**

**Control pa**

**rameters**

|  |  |  |  |
| --- | --- | --- | --- |
| **PINE FRESH** |  | | |
| ACGIH | Not applicable | | |
| OSHA | Not applicable | | |
| **potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)** | | | |  | |  |
| ACGIH | | | ACGIH Ceiling (mg/m³) | 2 mg/m³ | |
| OSHA | | | Not applicable |  | |
| **8.2. Exposure controls** | | | |  | | |

Personal protective equipment

:

Gloves. Sa

fety glasses.



**SECTION 9**

**:**

**Physical and chemical properties**

**9.1.**

**Information on basic physical and**

**chemical properties**

Physical state

:

Liquid

Appearance

:

Clear, amber liquid.

Color : clear

Odor : Pine odor

Odor threshold : No data available

pH : 13

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Specific gravity : ≈ 1

Solubility : Water: Solubility in water of component(s) of the mixture :

• potassium hydroxide, 45%=<conc<50%, aqueous solutions: Complete • 2-propanol:

Complete • fatty acids, tall-oil: 0.0009 g/100ml

Log Pow : No data available Log Kow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

**9.2. Other information**

No additional information available

**SECTION 10**

**:**

**Stability and reactivity**

**10.1.**

**Reactivity**

No data available.

**Chemical stability**

**10.2.**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No additional information available

**Conditions to avoid**

**10.4.**

No additional information available

**Incompatible materials** Strong acids.

**10.5.**

**Hazardous decomposition products** No additional information available

**10.6.**

# SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

|  |  |
| --- | --- |
| **potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)** | |
| LD50 oral rat | 273 mg/kg (Rat) |
| ATE US (oral) | 273.000 mg/kg bodyweight |

|  |  |  |
| --- | --- | --- |
| Skin corrosion/irritation | : Causes severe skin burns and eye damage. | |
|  | pH: 13 |
| Serious eye damage/irritation | : | Not classified  pH: 13 |
| Respiratory or skin sensitisation | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |
| Reproductive toxicity | : | Not classified |
| Specific target organ toxicity (single exposure) | : | Not classified |
| Specific target organ toxicity (repeated exposure) | : | Not classified |
| Aspiration hazard | : | Not classified |
| Symptoms/injuries after skin contact | : | Slight irritation. |
| Symptoms/injuries after eye contact | : | Causes eye irritation. |

Acute toxicity : Not classified

**SECTION**

**12**

**:**

**Ecological information**

**12.1.**

**Toxicity**

Ecology - general : Harmful to aquatic life.

|  |  |
| --- | --- |
| **potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)** | |
| LC50 fishes 1 | 28.6 mg/l (24 h; Pisces; Pure substance) |
| LC50 other aquatic organisms 1 | 100 - 1000 mg/l (96 h) |
| LC50 fish 2 | 80 mg/l (96 h; Gambusia affinis; Pure substance) |
| Threshold limit other aquatic organisms 1 | 100 - 1000,96 h |

**12.2.**

**Persistence and degradability**

|  |  |
| --- | --- |
| **PINE FRESH** |  |
| Persistence and degradability | Readily biodegradable in water in anaerobic conditions. |
| **potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)** | |
| Persistence and degradability | Biodegradability: not applicable. No (test)data on mobility of the components available. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

**12.3.**

**Bioaccumulative potential**

|  |  |
| --- | --- |
| **potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)** | |
| Bioaccumulative potential | Not bioaccumulative. |

**12.4. Mobility in soil**

No additional information available

**Other adverse effects**

**12.5.**

|  |  |
| --- | --- |
| Effect on ozone layer | : |
| Effect on the global warming | : No known ecological damage caused by this product. |

# SECTION 13: Disposal considerations

**13.1.**

**Waste treatment methods**

No additional information available

# SECTION 14: Transport information

In accordance with DOT

Not regulated for transport **Additional information**

Other information : No supplementary information available.

**ADR**

No additional information available

**Transport by sea**

No additional information available

**Air transport**

No additional information available

# SECTION 15: Regulatory information

**15.1. US Federal regulations**

No additional information available

**15.2**

**. International regulations**

**CANADA**

**EU-Regulations**

**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**

No additional information available

**15.3. US State regulations**

# SECTION 16: Other information

Full text of H-phrases:

|  |  |
| --- | --- |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Aquatic Acute 3 | Hazardous to the aquatic environment — Acute Hazard, Category 3 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A |
| H301 | Toxic if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H402 | Harmful to aquatic life |

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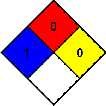
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NFPA health hazard : 1 - Exposure could cause irritation but only minor residual

injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions,

and are not reactive with water.

|  |  |  |
| --- | --- | --- |
| HMIS III Rating |  |  |
| Health | : | 1 Slight Hazard - Irritation or minor reversible injury possible |
| Flammability | : | 0 Minimal Hazard |
| Physical | : | 0 Minimal Hazard |
| Personal Protection | : | B |

SDS US (GHS HazCom 2012)

*The information in this Safety Data Sheet is correct to the best of our knowledge, information and belief as of the time written. The information is given only as a guide to the safe handling,. transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the material designated and may not be valid for the material used in combination with any other materials or in any process unless so specified in the text..*

*End Of Data Sheet*