



UNIFIED SOLUTIONS FOR CLEANING

Safety Data Sheet PINE OIL CLEANER AND DEODORANT

SECTION 1: Identification

1.1 Product identifier

Product name PINE OIL CLEANER AND DEODORANT

Product number 11540

1.3 Recommended use of the chemical and restrictions on use

Cleaner and deodorant

1.4 Supplier's details

Name UNIFIED SOLUTIONS FOR CLEANING
Address PO BOX 110-162
BROOKLYN , NY 11211
USA

Telephone 718-782-8800

Fax 718-782-8801

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Potassium hydroxide

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Concentration	>= 0.1 - <= 1 % (Weight)
Other names / synonyms	CAUSTIC POTASH; koh; LYE; POTASSA; POTASSIUM HYDRATE; Potassium hydroxide (K(OH)); POTASSIUMHYDROXIDE; UN 1813; UN 1814
EC no.	215-181-3
CAS no.	1310-58-3
Index no.	019-002-00-8

- Acute toxicity (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 1A

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage

2. Tall oil

Concentration	>= 1 - <= 5 % (Weight)
Other names / synonyms	Fatty acids, tall-oil
CAS no.	61790-12-3

3. Pine oil

Concentration	>= 1 - <= 5 % (Weight)
Other names / synonyms	Oil, Pine; Oils, pine;
EC no.	304-455-9
CAS no.	8002-09-3

- Aspiration hazard (chapter 3.10), Cat. 1
- Flammable liquids (chapter 2.6), Cat. 3
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H410	Very toxic to aquatic life with long lasting effects

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if needed

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If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms/effects, acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

No data available.

5.3 Special protective actions for fire-fighters

Use water spray to cool unopened containers.

Further information

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment

6.2 Environmental precautions

Do not let product enter sewers or public waters

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material . Keep in suitable, closed containers for disposal.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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1. POTASSIUM HYDROXIDE (CAS: 1310-58-3 EC: 215-181-3)

PEL-C (Inhalation): 2 mg/m³; USA (ACGIH)

Upper Respiratory Tract irritation, Eye irritation, Skin irritation

2. Oil Mist; Respirable

PEL-TWA (Inhalation): 5 mg/m³ (OSHA)

3. Oil Mist; Respirable

STEL (Inhalation): 5 mg/m³ (OSHA)

4. Oil Mist; Respirable

TLV® (Inhalation): 5 mg/m³ (ACGIH)

8.2 Appropriate engineering controls

General industrial hygiene practice.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves.

Respiratory protection

No data available.

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter sewers or public waters

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Green liquid
Odor	Pine odor
Odor threshold	No data available.
pH	9.5 - 10.5
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1.04
Solubility(ies)	Water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

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Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Extremely high or low temperatures.

10.5 Incompatible materials

Strong acids

10.6 Hazardous decomposition products

Carbon oxides

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Not classified

Tall Oil Fatty Acids

LD50 Oral - Rat - >10,000 mg/kg - 14 days

LD50 Skin - Rat - >2,000 mg/kg - 14 days

Skin corrosion/irritation

Not classified

pH: 9.5

Serious eye damage/irritation

Not classified

pH: 9.5

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

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Summary of evaluation of the CMR properties

Not classified

STOT-single exposure

Not classified

STOT-repeated exposure

Not classified

Aspiration hazard

Not classified

Additional information

Not classified

SECTION 12: Ecological information

Toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

New Jersey Right To Know Components

PINE OIL

Potassium hydroxide

Pennsylvania Right To Know Components

Potassium hydroxide

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

No SARA hazards.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Unified Solutions For Cleaning be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Unified Solutions For Cleaning has been advised of the possibility of such damages.