SAFETY DATA SHEET
Pine-Sol® Multi-Surface Cleaner - Lemon Fresh - US


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

1.1. Product identifier
Product name: Pine-Sol® Multi-Surface Cleaner - Lemon Fresh - US
Product number: PS40187US, PS40199US

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: All purpose cleaner.
Uses advised against: No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier: Cbee Europe Ltd
Eton House
2nd Floor
18-24 Paradise Road
Richmond
TW9 1SE, UK
Tel: +44 (0) 208 614 7120
Fax: +44 (0) 208 940 2040
consumerservices@clorox.co.uk

1.4. Emergency telephone number
Emergency telephone: +44 (0) 208 614 7120
Monday - Thursday: 09:00 - 17:30
Friday: 09:00 - 17:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification
Physical hazards: Not Classified
Health hazards:
Eye Irrit. 2 - H319 Elicitation - EUH208

Environmental hazards: Not Classified

Classification (67/548/EEC or 1999/45/EC)
Xi; R36

2.2. Label elements
Pictogram

Signal word: Warning
Pine-Sol® Multi-Surface Cleaner - Lemon Fresh - US

Hazard statements
H319 Causes serious eye irritation.
EUH208 Contains p-mentha-1,4(8)-diene. May produce an allergic reaction.

Precautionary statements
P102 Keep out of reach of children.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear eye and face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

Detergent labelling
< 5% non-ionic surfactants, < 5% perfumes, Contains CITRAL, GERANIOL, BUTYLPHENYL METHYLPROPIONAL

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Alcohol, C10-14, ethoxylated</th>
<th>1 - &lt;2.5%</th>
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<tr>
<td>CAS number: 66455-15-0</td>
<td>EC number: —</td>
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<table>
<thead>
<tr>
<th>Classification</th>
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<tbody>
<tr>
<td>Eye Irrit. 2 - H319</td>
</tr>
<tr>
<td>STOT SE 3 - H335</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>p-mentha-1,4(8)-diene</th>
<th>0.025 - &lt;0.25%</th>
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<tbody>
<tr>
<td>CAS number: 586-62-9</td>
<td>EC number: 209-578-0</td>
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<table>
<thead>
<tr>
<th>Classification (67/548/EEC or 1999/45/EC)</th>
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<tr>
<td>Eye Irrit. 2 - H319</td>
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<tr>
<td>Skin Irrit. 2 - H315</td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
</tr>
<tr>
<td>Asp. Tox. 1 - H304</td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion
Rinse mouth thoroughly with water. Give plenty of water to drink. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Skin contact
Wash skin thoroughly with soap and water.

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse.

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

Inhalation
Irritation of nose, throat and airway.
Ingestion
May cause discomfort if swallowed.

Skin contact
Prolonged skin contact may cause redness and irritation. Allergic rash.

Eye contact
Irritation of eyes and mucous membranes. Prolonged contact may cause redness and/or tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Special protective equipment for firefighters
Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Avoid contact with eyes and prolonged skin contact. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Reference to other sections
See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Read and follow manufacturer's recommendations.

Advice on general occupational hygiene
Avoid contact with eyes and prolonged skin contact.

7.2. Conditions for safe storage, including any incompatibilities
Pine-Sol® Multi-Surface Cleaner - Lemon Fresh - US

Storage precautions
Store in a cool and well-ventilated place.

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ingredient comments
No exposure limits known for ingredient(s).

8.2. Exposure controls

Eye/face protection
Wear chemical splash goggles.

Hand protection
No specific hand protection recommended.

Hygiene measures
No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Clear liquid. Viscous liquid.

Colour
Yellowish.

Odour

Odour threshold
Not determined.

pH
pH (concentrated solution): 10 -11

Melting point
Not relevant.

Initial boiling point and range
Not determined.

Flash point
> 93°C CC (Closed cup).

Evaporation rate
Not determined.

Evaporation factor
Not determined.

Flammability (solid, gas)
Not relevant.

Upper/lower flammability or explosive limits
Not relevant.

Vapour pressure
Not determined.
Pine-Sol® Multi-Surface Cleaner - Lemon Fresh - US

Vapour density
Not relevant.

Relative density
1

Bulk density
Not determined.

Solubility(ies)
Soluble in water.

Partition coefficient
Not determined.

Auto-ignition temperature
Not relevant.

Decomposition Temperature
Not relevant.

Viscosity
30 cP

Explosive properties
Not considered to be explosive.

Oxidising properties
The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Other information
No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability
Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
Will not polymerise.

10.4. Conditions to avoid
Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral
Based on available data the classification criteria are not met.

Acute toxicity - dermal
Based on available data the classification criteria are not met.
Acute toxicity - inhalation
Based on available data the classification criteria are not met.

Skin corrosion/irritation
Animal data
Based on available data the classification criteria are not met.

Serious eye damage/irritation
Eye Irrit. 2 - H319 May cause severe eye irritation.

Respiratory sensitisation
Based on available data the classification criteria are not met.

Skin sensitisation
Based on available data the classification criteria are not met.

Germ cell mutagenicity
Genotoxicity - in vitro
Based on available data the classification criteria are not met.

Genotoxicity - in vivo
Based on available data the classification criteria are not met.

Carcinogenicity
Based on available data the classification criteria are not met.

Reproductive toxicity
Reproductive toxicity - fertility
Based on available data the classification criteria are not met.

Reproductive toxicity - development
Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure
Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure
Based on available data the classification criteria are not met.

Aspiration hazard
Not anticipated to present an aspiration hazard, based on chemical structure.

Toxicological information on ingredients.
Alcohols, C10-14, ethoxylated

**Acute toxicity - oral**

Acute toxicity oral (LD50 mg/kg)
3,740.0

Species
Rat

Based on available data the classification criteria are not met.

ATE oral (mg/kg)
3,740.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD50 mg/kg)
4300.0

Species
Rabbit

Based on available data the classification criteria are not met.

ATE dermal (mg/kg)
4300.0

**Serious eye damage/irritation**

Eye Irrit. 2 - H319

**Specific target organ toxicity - single exposure**

STOT - single exposure
STOT SE 3 - H335
Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg)
3,740.0
Species
Rat
REACH dossier information.
ATE oral (mg/kg)
3,740.0

Acute toxicity - dermal
Acute toxicity dermal (LD50 mg/kg)
4300.0
Species
Rabbit
REACH dossier information.
ATE dermal (mg/kg)
4300.0

Skin corrosion/irritation
Animal data
Skin Irrit. 2 - H315 Causes skin irritation.

Serious eye damage/irritation
Dose: 0.1 ml, 24 hours, Rabbit REACH dossier information. Not irritating.

Skin sensitisation
Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information.

Germ cell mutagenicity
Genotoxicity - in vitro
Chromosome aberration: Negative. REACH dossier information.

Genotoxicity - in vivo
Chromosome aberration: Negative. REACH dossier information.

Reproductive toxicity
Reproductive toxicity - fertility
Screening - NOAEL 161.5 mg/kg/day, Oral, Rat P REACH dossier information.

SECTION 12: Ecological Information

12.1. Toxicity
Not considered toxic to fish.
Pine-Sol® Multi-Surface Cleaner - Lemon Fresh - US

**Ecological information on ingredients.**

**Alcohols, C10-14, ethoxylated**

**Acute toxicity - fish**
LC₅₀, 96 hours: 0.805 mg/l, Brachydanio rerio (Zebra Fish) REACH dossier information.

**Acute toxicity - aquatic invertebrates**
EC₅₀, 48 hours: 0.634 mg/l, Daphnia magna REACH dossier information.

**Acute toxicity - aquatic plants**
EC₅₀, 72 hours: 0.692 mg/l, Pseudokirchneriella subcapitata REACH dossier information.

**Acute toxicity - microorganisms**
EC₅₀, 3 hours: 46 mg/l, Activated sludge REACH dossier information.

**p-mentha-1,4(8)-diene**

**Acute toxicity - fish**
LC₅₀, 96 hours: 0.805 mg/l, Brachydanio rerio (Zebra Fish) REACH dossier information.

**Acute toxicity - aquatic invertebrates**
EC₅₀, 48 hours: 0.634 mg/l, Daphnia magna REACH dossier information.

**Acute toxicity - aquatic plants**
EC₅₀, 72 hours: 0.692 mg/l, Pseudokirchneriella subcapitata REACH dossier information.

**Acute toxicity - microorganisms**
EC₅₀, 3 hours: 69 mg/l, Activated sludge REACH dossier information.

12.2. Persistence and degradability

Persistency and degradability
The surfactant(s) contained in this product complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

**Ecological information on ingredients.**

**Alcohols, C10-14, ethoxylated**

**Biodegradation**
Water - Degradation (81%): 28 days REACH dossier information.

**p-mentha-1,4(8)-diene**

**Biodegradation**
Water - Degradation (81%): 28 days REACH dossier information. The substance is readily biodegradable.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

**Partition coefficient**
Not determined.

12.4. Mobility in soil

**Mobility**
The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not relevant.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Pine-Sol® Multi-Surface Cleaner - Lemon Fresh - US

General information
Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
No transport warning sign required.

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations
EH40/2005 Workplace exposure limits.

EU legislation

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008
Eye Irrit. 2 - H319: Calculation method.

Revision comments
Classification according to CLP Annex I.

Revision date 16/05/2014
Revision 3
Supersedes date 01/12/2011
SDS number 202
Risk phrases in full
Pine-Sol® Multi-Surface Cleaner - Lemon Fresh - US

R10 Flammable.
R36/37 Irritating to eyes and respiratory system.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.

Hazard statements in full

EUH208 Contains p-mentha-1,4(8)-diene. May produce an allergic reaction.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

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