

Material Safety Data Sheet

according to 1 907/2006/EC, Article 31

1. Production Description

- **Product Name:** Pine Disinfectant
- **Application of the substance:** Disinfectant
- **Manufacturer/Supplier:**
Sun Clean Cleaning Ind. LLC
P.O. Box 41475,
SHARJAH – UAE
Tel: +971 (6) 535 20 60
Fax: +971 (6) 534 90 35
www.sun-cleaning.com

Product information:

Tel: +971 (6) 534 90 25

Email: detergents@sun-cleaning.com

2. Hazards identification

- **Hazard designation**



Xi Irritant
R 36/38 Irritating to eyes and skin

- **Primary Routes(s) Of Entry** Eyes and Skin Contact.
- **Eye Hazards** Severe irritation.
- **Skin Hazards** Irritation.
- **Chronic/Carcinogenicity Effects** The product and its ingredients have not been identified as carcinogen.
- The product has been classified and labelled in accordance with EC Directives

3. Composition / information on ingredients

The product is a blend of the following components.

CAS No: 68308-64-5 EC No: 269-662-8	Quaternary ammonium compounds	Xi; R 36, R 37, R 38
CAS No: 63449-41-2 EC No: 264-151-6	Benzalkonium chloride	Xi; R 36, R 37, R 38

4. First aid measures

Eye: Immediately irrigate with eyewash solution or clear water, holding eyelids apart, for at least 10 minutes. Seek medical attention urgently.

Material Safety Data Sheet

according to 1 907/2006/EC, Article 31

Skin: Take off all contaminated clothing immediately. After contact with skin, wash immediately with plenty of water. If large areas of skin are exposed to the solution, or if irritation persists, obtain medical attention. Wash all contaminated clothing before use.

Ingestion: Do not induce vomiting. Wash mouth with water. Seek medical advice immediately and show this document.

Inhalation: If inhaled, remove to fresh air.

Other: Consumer product packages have a caution statement: "CAUTION: IRRITANT. MAY BE HARMFUL IF SWALLOWED. In case of eye contact, flush with water. If swallowed, give a glassful of water. Call a physician. **KEEP OUT OF REACH OF CHILDREN.**"

5. Fire fighting measures

Flash Point: None $^{\circ}$ F
Auto-ignition Point: NE $^{\circ}$ F NE $^{\circ}$ C
Flammability Class: Non-flammable

Suitable extinguishing agents

CO₂, extinguishing powder or water jet.
Fight larger fires with water jet or alcohol-resistant foam.
Use fire fighting measures that suit the environment.

Fire Fighting Protective Equipment

Suitable protective clothing should be worn in fire conditions.

6. Accidental release measures

Personal Precautions: See Exposure Controls / Personal Protection (Section 8).
Small Spillages: Wash the spillage area and drain out with plenty of water.
Large Spillages: Where possible, transfer to a container for reuse or disposal (see Disposal Considerations – Section 13). Contain and absorb using earth, sand and other inert material. Flush area to drain with plenty of water.
Environmental Precautions: Spillages or uncontrolled discharges into watercourses, drains or sewers must be immediately alerted to Environment Agency, local water company or other appropriate regulatory bodies.

7. Handling and storage

Handling Precautions: Keep out of reach of children.
Avoid contact with skin and eyes.
Do not mix with other chemicals.
Wear suitable protective clothing.
Ensure thorough ventilation of stores and wash areas.

Storage Precautions: Keep containers tightly closed.
Keep away from acids.
Store in a cool well ventilated area.

8. Exposure controls and personal protection

Material Safety Data Sheet

according to 1 907/2006/EC, Article 31

Personal Protective Equipment: Wear suitable protective clothing, PVC or other impermeable suit, PVC boots, PVC gloves and chemical / face protection.
Engineering Controls: Use with adequate ventilation.

9 Physical and chemical properties

Physical State: Liquid
Appearance: Clear Brown
Odor: Citrus
Inflammability: Non inflammable
Specific Gravity: 1.00 +/- 0.01
pH Value: 7
Solubility: Complete

10. Stability and reactivity

Stability: Stable under normal conditions. See Handling & Storage (Section 7).
Hazardous Polymerization: None known.
Incompatible Materials: None known.

11. Toxicological information

68308-64-5 **Benzalkonium chloride**

Oral LD50: 240 mg/kg (rat)

Inhalation May cause severe irritation of nose. Throat and respiratory tract.
Skin Contact: Prolonged contact may cause drying and cracking of skin.
Eye Contact: Repeated and/ or long term contact may lead to persistent effects in the eyes.
Ingestion: May cause nausea. No toxic effect expected.

12. Ecological information

Persistence and degradation: Product is biodegradable.
Toxicity: Product is not expected to bio-accumulate.
Effect on Effluent Treatment: Not known.

13. Disposal considerations

- Disposal must be made according to official regulations.
- Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning.

Material Safety Data Sheet

according to 1 907/2006/EC, Article 31

14. Transport information

UN Transport Name The finished product is non-hazardous under DOT.
UN No Not applicable.
UN Primary Class Not applicable.
UN Packing Group Not applicable.
Transport Hazard Symbol Not applicable.
Packing 5 Ltrs / 20 Ltrs / 25 Ltrs HDPE / PET containers.
Normal Carriage Temperature Ambient.

15. Regulatory information

Designation according to EC guidelines:

The product has been classified and labeled in accordance with EC Directives / Ordinance on Hazardous Materials

Code letter and hazard designation of product:



Xi Irritant
R 36 Irritating to eyes
R 38 Irritating to skin

Risk phrases:

36/38 – irritant to eyes and skin.

Safety phrases:

1 / 2 – Keep locked up and out of reach of children

24 / 25 – Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.

26 – Avoid contact with eyes, rinse immediately with plenty of water and seek medical advice

36/37/39 – Wear suitable protective clothing, gloves and eye / face protection.

45 – In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

16 Other information

Compiled according to the following UK regulations:

2002	Control of Substances Hazardous to Health Regulations.
2004	Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations.
2002	Chemical (Hazard Information and Packaging for supply) Regulations.