

## SAFETY DATA SHEET

# Pine Disinfectant

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

*Trade name:* Pine Disinfectant  
*Product no.:* MBPD001

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

*Relevant identified uses of the substance or mixture:* Cleaning product  
Restricted to professional users.  
*Uses advised against :* For professional use only. This product is not recommended for any industrial, professional or consumer use other than the identified uses above

#### 1.3. Details of the supplier of the safety data sheet

*Company and address:* **Autosmart Australia**  
11 Darrambal Close  
NSW 2283 Rathmines  
Australia  
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)  
autosmart@autosmartaustralia.com.au  
*Contact person:* Russell Butler  
*E-mail:* SHREQ@autosmart.co.uk  
*SDS date:* 20/10/2025  
*SDS Version:* 2.0  
*Date of previous version:* 1/4/2025 (1.0)

#### 1.4. Emergency telephone number

In an Emergency call 000

NCEC - For Chemical Emergency Support ONLY (spill, leak, fire, exposure or accident), Call NCEC at 1800 074 234 (toll free 24Hrs) - when calling please quote "AUTOSMART 29003-NCEC"  
Local number +61 (0)2 8 014 4558

General Information. Transport Information. Mild medical Information:-  
Autosmart Australia, Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)

National Emergency Telephone Number:  
In less severe situations call the Poisons Information Centre / Poison Information Hotline: 13 11 26 (Available 24/7 from anywhere in Australia)

### SECTION 2: HAZARDS IDENTIFICATION

This material is considered hazardous according to the Work Health and Safety Regulations.

## 2.1. ▼ Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation.  
Aquatic Acute 3; H402, Harmful to aquatic life.

## 2.2. Label elements

▼ Hazard pictogram(s):



Signal word:

Warning

▼ Hazard statement(s):

Causes serious eye irritation. (H319)  
Harmful to aquatic life. (H402)

Precautionary statement(s):

▼ General:

Not applicable.

▼ Prevention:

Avoid release to the environment. (P273)  
Wear protective gloves/eye protection. (P280)

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)  
If eye irritation persists: Get medical advice/attention. (P337+P313)

▼ Storage:

Not applicable.

▼ Disposal:

Dispose of contents/container in accordance with local regulation. (P501)

▼ Hazardous substances:

Does not contain any substances required to report

▼ Additional labelling:

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. ▼ Mixtures

| Product/substance:                                 | Identifiers:                             | % w/w: | Classification:                                                                                             | Note: |
|----------------------------------------------------|------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------|-------|
| Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate | CAS No.: 51981-21-6<br>EC No.: 257-573-7 | 1-3%   | Met. Corr. 1, H290                                                                                          |       |
| Alcohols, C9-11, ethoxylated                       | CAS No.: 68439-46-3<br>EC No.: 614-482-0 | 1-3%   | Acute Tox. 4, H302<br>Eye Dam. 1, H318                                                                      | [19]  |
| Alkyldimethylbenzylammonium chloride               | CAS No.: 8001-54-5<br>EC No.: 616-786-9  | <1%    | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Skin Corr. 1B, H314                                             |       |
| Oils, pine                                         | CAS No.: 8002-09-3<br>EC No.: 616-792-1  | <0.25% | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Eye Irrit. 2, H319 | [19]  |
| Bornan-2-one                                       | CAS No.: 76-22-2<br>EC No.: 200-945-0    | <0.05% | Flam. Sol. 2, H228<br>Acute Tox. 4, H302 (ATE: 1500.00 mg/kg)<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318    |       |

|  |  |  |                                       |  |
|--|--|--|---------------------------------------|--|
|  |  |  | Acute Tox. 4, H332<br>STOT SE 2, H371 |  |
|--|--|--|---------------------------------------|--|

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

**SECTION 4: FIRST AID MEASURES****4.1. ▼ Description of first aid measures***General information:*

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet.  
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

*Inhalation:*

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

*▼ Skin contact:*

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

*Eye contact:*

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

*Ingestion:*

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.  
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

*Burns:*

Not applicable.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

Not applicable.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage

system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO<sub>x</sub>)

Carbon oxides (CO / CO<sub>2</sub>)

Some metal oxides

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure call the NSW Poisons Information Centre on 13 11 26 (Available 24/7) in order to obtain further advice.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

**6.4. Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

**7.1. ▼ Precautions for safe handling**

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

*Recommended storage material:* Keep only in original packaging.

*Storage conditions:* Dry, cool and well ventilated

*Incompatible materials:* Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**7.3. Specific end use(s)**

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. ▼ Control parameters**

Bornan-2-one

Long term exposure limit (8 hours) (ppm): 2

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 12

Short term exposure limit (15 minutes) (ppm): 3

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 19

Workplace exposure standards for airborne contaminants (Safe Work Australia). (January 2024)

## 8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

*General recommendations:* Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:* There are no exposure scenarios implemented for this product.

▼ *Exposure limits:* Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

▼ *Appropriate technical measures:* The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

*Hygiene measures:* In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

*Measures to avoid environmental exposure:* Keep damming materials near the workplace. If possible, collect spillage during work.

## Individual protection measures, such as personal protective equipment

*Generally:* Use only protective equipment that carries the RCM symbol.

### *Respiratory Equipment:*

| Type:                                                                      | Class: | Colour: | Standards: | : |
|----------------------------------------------------------------------------|--------|---------|------------|---|
| Respiratory protection is not needed in the event of adequate ventilation. |        |         |            |   |

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is appropriately marked to a relevant standard. Check that the respirator fits tightly and the filter is changed regularly.

Gas and combination filter cartridges suitable for intended use, Full face mask respirators with replaceable filter cartridges suitable for intended use, half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use, can all be used.

### *Skin protection:*

| Recommended:                            | Type/Category: | Standards: | :                                                                                     |
|-----------------------------------------|----------------|------------|---------------------------------------------------------------------------------------|
| Dedicated work clothing should be worn. | -              | -          |  |

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

### *Hand protection:*

| Material: | Glove thickness (mm): | Breakthrough time (min.): | Standards:                | :                                                                                   |
|-----------|-----------------------|---------------------------|---------------------------|-------------------------------------------------------------------------------------|
| Nitrile   | 0,2                   | > 30                      | EN374-2, EN16523-1, EN388 |  |

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The breakthrough time for any glove material may be different for different glove manufacturers. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. When used with mixtures, the protection time of gloves cannot be accurately estimated. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Thickness: > 0.2 mm The selected gloves should have a breakthrough time of at least 2 hours. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Use thin cotton gloves inside natural rubber gloves if there is an allergy risk to natural rubber.

#### Eye protection:

| Type:                             | Standards:     | :                                                                                     |
|-----------------------------------|----------------|---------------------------------------------------------------------------------------|
| Safety glasses with side shields. | EN ISO 16321-1 |  |

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|                                    |                            |
|------------------------------------|----------------------------|
| <i>Form:</i>                       | Liquid                     |
| <i>Colour:</i>                     | No data available.         |
| <i>Odour:</i>                      | Pleasant                   |
| <i>Odour threshold (ppm):</i>      | No data available.         |
| <i>pH:</i>                         | 11                         |
| <i>Density (g/cm<sup>3</sup>):</i> | 1.003                      |
| <i>Relative density:</i>           | 1.005 (20 °C)              |
| <i>Kinematic viscosity:</i>        | 1.003 mPa.s (20 °C)        |
| <i>Particle characteristics:</i>   | Does not apply to liquids. |

#### Phase changes

|                                           |                            |
|-------------------------------------------|----------------------------|
| <i>Melting point/Freezing point (°C):</i> | No data available.         |
| <i>Softening point/range (°C):</i>        | Does not apply to liquids. |
| <i>Boiling point (°C):</i>                | No data available.         |

*Vapour pressure:* No data available.

*Relative vapour density:* No data available.

*Decomposition temperature (°C):* No data available.

#### Data on fire and explosion hazards

*Flash point (°C):* No data available.

*Flammability (°C):* No data available.

*Auto-ignition temperature (°C):* No data available.

*Explosion limits (% v/v):* No data available.

#### Solubility

*Solubility in water:* Soluble

*n-octanol/water coefficient (LogKow):* No data available.

*Solubility in fat (g/L):* No data available.

#### 9.2. Other information

▼ VOC (g/L): 2

*Other physical and chemical parameters:* No data available.

*Oxidizing properties:* No data available.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

None known.

#### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### ▼ Acute toxicity

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Product/substance  | Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| Species:           | Rat                                                |
| Route of exposure: | Oral                                               |
| Test:              | LD50                                               |
| Result:            | >5000 mg/kg bw                                     |

|                    |                                      |
|--------------------|--------------------------------------|
| Product/substance  | Alkyldimethylbenzylammonium chloride |
| Species:           | Rat                                  |
| Route of exposure: | Oral                                 |
| Test:              | LD50                                 |

Result: 280 - 305 mg/kg bw

Product/substance Alkyldimethylbenzylammonium chloride  
Species: Rat  
Route of exposure: Dermal  
Test: LD50  
Result: 930 mg/kg bw

Based on available data for the mixture, the classification criteria are not met.

▼ **Skin corrosion/irritation**

Based on available data for the mixture, the classification criteria are not met.

**Serious eye damage/irritation**

Causes serious eye irritation.

▼ **Respiratory sensitisation**

Based on available data for the mixture, the classification criteria are not met.

▼ **Skin sensitisation**

Based on available data for the mixture, the classification criteria are not met.

▼ **Germ cell mutagenicity**

Based on available data for the mixture, the classification criteria are not met.

▼ **Carcinogenicity**

Based on available data for the mixture, the classification criteria are not met.

▼ **Reproductive toxicity**

Based on available data for the mixture, the classification criteria are not met.

▼ **STOT-single exposure**

Based on available data for the mixture, the classification criteria are not met.

▼ **STOT-repeated exposure**

Based on available data for the mixture, the classification criteria are not met.

▼ **Aspiration hazard**

Based on available data for the mixture, the classification criteria are not met.

▼ **Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. ▼ Toxicity**

Product/substance Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate  
Test method: OECD 203  
Species: Fish, *Oncorhynchus mykiss*  
Compartment: Freshwater  
Duration: 96 hours  
Test: LC50  
Result: > 100 mg/L

Based on available data for the mixture, the classification criteria are not met.

**12.2. ▼ Persistence and degradability**

Based on available data for the mixture, the classification criteria are not met.

**12.3. ▼ Bioaccumulative potential**

Based on available data for the mixture, the classification criteria are not met.

**12.4. Mobility in soil**



No data available.

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

#### 12.6. ▼ Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### ▼ Waste treatment methods

Product is not covered by regulations on dangerous waste.

#### Specific labelling

#### Contaminated packing

### SECTION 14: TRANSPORT INFORMATION

| :    | 14.1<br>UN / ID: | 14.2<br>UN proper shipping name: | 14.3<br>Hazard class(es): | 14.4<br>PG*: | 14.5<br>Env**: | Other<br>information: |
|------|------------------|----------------------------------|---------------------------|--------------|----------------|-----------------------|
| ADG  | -                | -                                | -                         | -            | -              | -                     |
| IMDG | -                | -                                | -                         | -            | -              | -                     |
| IATA | -                | -                                | -                         | -            | -              | -                     |

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

### SECTION 15: REGULATORY INFORMATION

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

##### ▼ Restrictions for application:

Restricted to professional users.

##### Demands for specific education:

No specific requirements.

##### Control of major hazard facilities:

Not applicable.

##### Additional information:

Not applicable.

##### The Australian Inventory of Industrial Chemicals (AIIC):

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate is listed  
Alcohols, C9-11, ethoxylated is listed  
Alkyldimethylbenzylammonium chloride is listed  
Oils, pine is listed  
Bornan-2-one is listed

##### SUSMP:

No Poison Schedule Allocated

##### Sources:

Model Work Health and Safety Regulations as at 1 January 2021.

#### 15.2. Chemical safety assessment

No

## SECTION 16: OTHER INFORMATION

### ▼ Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.  
H228, Flammable solid.  
H290, May be corrosive to metals.  
H302, Harmful if swallowed.  
H304, May be fatal if swallowed and enters airways.  
H312, Harmful in contact with skin.  
H314, Causes severe skin burns and eye damage.  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H318, Causes serious eye damage.  
H319, Causes serious eye irritation.  
H332, Harmful if inhaled.  
H371, May cause damage to organs.

### The full text of identified uses as mentioned in section 1

None known.

### Abbreviations and acronyms

ADG = The Australian Code for the Transport of Dangerous Goods by Road & Rail  
AICIS = Australian Industrial Chemicals Introduction Scheme  
AIIC = Australian Inventory of Industrial Chemicals  
AS = Australian Standard  
AS/NZS = Australian New Zealand Standard  
ATE = Acute Toxicity Estimate  
AUH = Hazard statements specific for Australia  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
EINECS = European Inventory of Existing Commercial chemical Substances  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
Hazchem = Hazardous chemicals  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NICNAS = National Industrial Chemicals Notification and Assessment Scheme (replaced by AICIS since 2020)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
RCM = Regulatory Mark of Conformity  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
SCL = A specific concentration limit  
STEL = Short-term exposure limits  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

WHS = Work Health and Safety Regulations

**Additional information**

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by the Work Health and Safety Regulations.

**The safety data sheet is validated by**

Adrian

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: AU-en