

SAFETY DATA SHEET

Strong Green Pine Disinfectant

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Trade name: Strong Green Pine Disinfectant
Product no.: 26005AOJANI

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

Relevant identified uses of the substance or mixture: Biocide

Use descriptors (UK REACH):

| Sectors of use | Description |
|------------------|--|
| LCS "PW" | Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |
| Product category | Description |
| PC 35 | Washing and Cleaning Products (including solvent based products) |

Uses advised against : Uses other than those identified are not recommended

1.3. Details of the supplier of the safety data sheet

Company and address: **Janitorial Direct**
Unit 298 Oak Drive,
Hartlebury Trading Estate
Kidderminster
SG17 5DZ Worcestershire
0800 833 087
www.janitorialdirect.co.uk

Contact person: Sales

E-mail: 0800 833 087

Revision: 11/07/2023

SDS Version: 1.0

Date of previous version: 11/07/2023 (1.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

| | |
|------------------------------------|--|
| <i>Hazard pictogram(s):</i> | Not applicable. |
| <i>Signal word:</i> | Not applicable. |
| <i>Hazard statement(s):</i> | Not applicable. |
| <i>Precautionary statement(s):</i> | |
| <i>General:</i> | - |
| <i>Prevention:</i> | - |
| <i>Response:</i> | - |
| <i>Storage:</i> | - |
| <i>Disposal:</i> | - |
| <i>Hazardous substances:</i> | None known. |
| <i>Additional labelling:</i> | Active substance(s): Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (0.5 g/100g) |

2.3. Other hazards

| | |
|-----------------------------|---|
| <i>Additional warnings:</i> | This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. |
|-----------------------------|---|

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 |
|--|--|-------|---|------|
| Quaternary ammonium compounds, benzyl-C12- | CAS No.: 68424-85-1 EC No.: 270-325-2 | <1% | Acute Tox. 4, H302 Skin Corr. 1B, H314 | [19] |

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| | | | | |
|--------------------------------|-------------------------|--|--|--|
| 16-alkyldimethyl, chlorides | UK-REACH: Index No.: | | | |
|--------------------------------|-------------------------|--|--|--|

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

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

< 5%

- Non-ionic surfactants
- Disinfectants
- Perfumes

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 – take 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 with plenty of water or salt water (20-30 °C) and continue until irritation stops. Remove contact lenses.

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

None known.

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

None known.

Information to medics

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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.

5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

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7.1. Precautions for safe handling

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

| | |
|--------------------------------------|--|
| <i>Recommended storage material:</i> | Keep only in original packaging. |
| <i>Storage temperature:</i> | Dry, cool and well ventilated |
| <i>Incompatible materials:</i> | 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

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

| Duration: | Route of exposure: | DNEL: |
|---|--------------------|------------------------|
| Long term – Systemic effects - General population | Dermal | 3.4 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 5.7 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 1.64 mg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 3.96 mg/m ³ |
| Long term – Systemic effects - General population | Oral | 3.4 mg/kg bw/day |

PNEC

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

| Route of exposure: | Duration of Exposure: | PNEC: |
|-------------------------------------|-----------------------|-------------|
| Freshwater | | 420 ng/L |
| Freshwater sediment | | 68 mg/kg |
| Intermittent release (freshwater) | | 160 ng/L |
| Intermittent release (marine water) | | 207 ng/L |
| Marine water | | 96 ng/L |
| Marine water sediment | | 15.75 mg/kg |
| Sewage treatment plant | | 160 µg/L |
| Soil | | 1.66 mg/kg |

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

| | |
|---------------------------------|--|
| <i>General recommendations:</i> | Smoking, drinking and consumption of food is not allowed in the work area. |
|---------------------------------|--|

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| | |
|--|--|
| <i>Exposure scenarios:</i> | There are no exposure scenarios implemented for this product. |
| <i>Exposure limits:</i> | Occupational exposure limits have not been defined for the substances in this product. |
| <i>Appropriate technical measures:</i> | Apply standard precautions during use of the product. Avoid inhalation of vapours. |
| <i>Hygiene measures:</i> | Wash hands after use. |
| <i>Measures to avoid environmental exposure:</i> | No specific requirements. |

Individual protection measures, such as personal protective equipment

Generally: Use only UKCA marked protective equipment.

Respiratory Equipment:

| Type | Class | Colour | Standards | |
|-----------------------------------|-------|--------|-----------|--|
| No special when used as intended. | | | | |

Skin protection:

| Recommended | Type/Category | Standards | |
|-----------------------------------|---------------|-----------|--|
| No special when used as intended. | - | - | |

Hand protection:

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards | |
|----------------------------------|----------------------|--------------------------|-----------|--|
| No special when used as intended | - | - | - | |

Eye protection:

| Type | Standards | |
|-----------------------------------|-----------|--|
| No special when used as intended. | - | |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|------------------------------------|--|
| <i>Physical state:</i> | Liquid |
| <i>Colour:</i> | Green |
| <i>Odour / Odour threshold:</i> | Sweet |
| <i>pH:</i> | 7.0 - 9.0 |
| <i>Density (g/cm³):</i> | 1 |
| <i>Kinematic viscosity:</i> | Testing not relevant or not possible due to the nature of the product. |

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| | |
|---|--|
| <i>Particle characteristics:</i> | Does not apply to liquids. |
| Phase changes | |
| <i>Melting point/Freezing point (°C):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Softening point/range (waxes and pastes) (°C):</i> | Does not apply to liquids. |
| <i>Boiling point (°C):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Vapour pressure:</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Relative vapour density:</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Decomposition temperature (°C):</i> | Testing not relevant or not possible due to the nature of the product. |
| Data on fire and explosion hazards | |
| <i>Flash point (°C):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Flammability (°C):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Auto-ignition temperature (°C):</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Lower and upper explosion limit (% v/v):</i> | Testing not relevant or not possible due to the nature of the product. |
| Solubility | |
| <i>Solubility in water:</i> | Completely soluble |
| <i>n-octanol/water coefficient:</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Solubility in fat (g/L):</i> | Testing not relevant or not possible due to the nature of the product. |
| 9.2. Other information | |
| <i>Oxidizing properties:</i> | Testing not relevant or not possible due to the nature of the product. |
| <i>Other physical and chemical parameters:</i> | 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".

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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

The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

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

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

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

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Not applicable.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

Not applicable.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

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

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| | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es) | 14.4 PG* | 14.5 Env** | Other information: |
|------|-------------------------|---|----------------------------------|---------------------|-----------------------|-------------------------------|
| 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. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application:

No special.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Additional information:

Not applicable.

Sources:

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.
In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

The full text of identified uses as mentioned in section 1

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PC 35 = Washing and Cleaning Products (including solvent based products)

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

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)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

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

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Additional information

In accordance with UK-REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required by UK-REACH.

▼ The safety data sheet is validated by

Anglian Chemicals

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue 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: GB-en