

SECTION 1: Identification

1.1. Product identifier

Product name : POT & PAN CLEAN
Product code : A100340

1.2. Recommended use and restrictions on use

Recommended use : Manual dish detergent
Restrictions on use : Food Plant, Industrial and Institutional use only

1.3. Supplier

Project Clean Inc.
12 James St N, Suite 201 A
Hamilton, ON L8R 2J9
Canada

regulatory@projectclean.com - www.projectclean.ca

1.4. Emergency telephone number

Emergency number : For Chemical Emergency Call CANUTEC CANADA OR CHEMTREC USA 24hr/day 7days/week
Within USA and Canada: CANADA: 613 996 6666 or *666 on a cell phone | USA: 800 424 9300

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.
Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H318 - Causes serious eye damage.

Precautionary statements (GHS CA) : P280 - Wear eye 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.

P310 - Immediately call a POISON CENTER or doctor.

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2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % |
|--------------------------------|---|---------------------|-------|
| Sodium dodecylbenzenesulfonate | Dodecylbenzene sulfonic acid, sodium salt | CAS-No.: 25155-30-0 | 3 – 7 |
| Cocamidopropyl betaine | 3-Amino-N-(carboxymethyl)-N,N-dimethyl 1-propanaminium N-coco acyl derivs., hydroxides, inner salts | CAS-No.: 61789-40-0 | 1 – 5 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after eye contact : Serious damage to eyes.

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

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8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

| |
|--|
| Hand protection: |
| Not required for normal conditions of use |
| Eye protection: |
| Safety glasses |
| Skin and body protection: |
| Not required for normal conditions of use |
| Respiratory protection: |
| In case of insufficient ventilation, wear suitable respiratory equipment |

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|--|---|--------------------|
| Physical state | : | Liquid |
| Appearance | : | Clear, tan liquid. |
| Colour | : | Tan colour |
| Odour | : | Apple fragrance |
| Odour threshold | : | No data available |
| pH | : | 6 – 8 |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Relative evaporation rate (ether=1) | : | No data available |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | > 100 °C |
| Auto-ignition temperature | : | Not self-igniting |
| Decomposition temperature | : | No data available |

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| | | |
|---|---|-------------------|
| Flammability | : | Not applicable |
| Vapour pressure | : | No data available |
| Relative vapour density at 20 °C | : | No data available |
| Relative density | : | 1 – 1.2 |
| Solubility | : | soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Viscosity, kinematic | : | No data available |
| Explosive limits | : | No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

| | | |
|------------------------------------|---|--|
| Reactivity | : | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | : | Stable under normal conditions. |
| Possibility of hazardous reactions | : | No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : | None under recommended storage and handling conditions (see section 7). |
| Incompatible materials | : | Strong acids. Strong bases. Strong oxidizing agents. |
| Hazardous decomposition products | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Hardening time: | : | No additional information available |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | | |
|-----------------------------|---|----------------|
| Acute toxicity (oral) | : | Not classified |
| Acute toxicity (dermal) | : | Not classified |
| Acute toxicity (inhalation) | : | Not classified |

| Sodium dodecylbenzenesulfonate (25155-30-0) | |
|--|--|
| LD50 oral rat | 1080 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 0.31 mg/l (4 h, Rat, Male, Experimental value, Inhalation (aerosol), 14 day(s)) |
| ATE CA (oral) | 1080 mg/kg bodyweight |
| ATE CA (vapours) | 0.31 mg/l/4h |
| ATE CA (dust,mist) | 0.31 mg/l/4h |

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| Cocamidopropyl betaine (61789-40-0) | |
|--|---|
| LD50 oral rat | > 5000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Estimated value, Skin, 14 day(s)) |

| | |
|------------------------------------|------------------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Causes serious eye damage. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Symptoms/effects after eye contact | : Serious damage to eyes. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| Sodium dodecylbenzenesulfonate (25155-30-0) | |
|--|--|
| LC50 - Fish [1] | 3.2 – 5.6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Daily renewal, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | 6.3 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Lethal) |
| EC50 72h - Algae [1] | 65.4 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate) |
| BCF - Fish [1] | 130 l/kg (Equivalent or similar to OECD 305, 3 day(s), Leuciscus idus, Semi-static system, Fresh water, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | 1.96 (Experimental value, Equivalent or similar to OECD 107, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.96 (log Koc, Calculated value) |

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| Cocamidopropyl betaine (61789-40-0) | |
|--|---|
| LC50 - Fish [1] | 2 mg/l (96 h, Danio rerio, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 6.4 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration) |
| ErC50 algae | 1.3 mg/l Source: SIDS |
| NOEC (chronic) | 0.9 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| BCF - Fish [1] | 48 (Pisces, Fresh water, Estimated value) |
| Partition coefficient n-octanol/water (Log Pow) | 0.69 (Estimated value, KOWWIN) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.812 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Estimated value) |
| LOEC (chronic) | 3.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

12.2. Persistence and degradability

Persistence and degradability Expected to be readily biodegradable based on ingredients.

| Sodium dodecylbenzenesulfonate (25155-30-0) | |
|--|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |
| Cocamidopropyl betaine (61789-40-0) | |
| Persistence and degradability | Readily biodegradable in water. |

12.3. Bioaccumulative potential

| Sodium dodecylbenzenesulfonate (25155-30-0) | |
|--|---|
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |
| BCF - Fish [1] | 130 l/kg (Equivalent or similar to OECD 305, 3 day(s), Leuciscus idus, Semi-static system, Fresh water, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | 1.96 (Experimental value, Equivalent or similar to OECD 107, 25 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.96 (log Koc, Calculated value) |
| Cocamidopropyl betaine (61789-40-0) | |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

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| Cocamidopropyl betaine (61789-40-0) | |
|--|---|
| BCF - Fish [1] | 48 (Pisces, Fresh water, Estimated value) |
| Partition coefficient n-octanol/water (Log Pow) | 0.69 (Estimated value, KOWWIN) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.812 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Estimated value) |

12.4. Mobility in soil

| Sodium dodecylbenzenesulfonate (25155-30-0) | |
|--|---|
| Surface tension | 29.3 – 31.8 mN/m (25 °C, 0.012 %) |
| Ecology - soil | Low potential for mobility in soil. |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.96 (log Koc, Calculated value) |
| Partition coefficient n-octanol/water (Log Pow) | 1.96 (Experimental value, Equivalent or similar to OECD 107, 25 °C) |

| Cocamidopropyl betaine (61789-40-0) | |
|--|---|
| Surface tension | 35 mN/m (Experimental value) |
| Ecology - soil | Highly mobile in soil. |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.812 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Estimated value) |
| Partition coefficient n-octanol/water (Log Pow) | 0.69 (Estimated value, KOWWIN) |

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

- Waste treatment methods : Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Product/Packaging disposal recommendations : Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available or puncture and dispose of in a sanitary landfill.
- Ecology - waste materials : Avoid release to the environment.

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SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : Not applicable

14.4. Packing group

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

Sodium dodecylbenzenesulfonate (25155-30-0)

Listed on the Canadian DSL (Domestic Substances List)

Cocamidopropyl betaine (61789-40-0)

Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: Other information

Issue date : 07/29/2022

Full text of H-statements:

| | |
|------|----------------------------|
| H318 | Causes serious eye damage. |
|------|----------------------------|

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It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.