

SECTION 1: Product and company identification

Product name : Pot & Pan
 Use of the substance/mixture : Cleaner
 Product code : 0222
 Company : Total Solutions
 P.O. Box 240014
 Milwaukee, WI 53224 - USA
 T (414) 354-6417
 Emergency number : Chemtec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Skin Irrit. 2 H315
 Eye Dam. 1 H318
 Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS05

Signal word (GHS-US) : Danger
 Hazard statements (GHS-US) : Causes skin irritation
 Causes serious eye damage
 Precautionary statements (GHS-US) : Wash thoroughly after handling
 Wear eye protection, face protection, protective clothing, protective gloves
 If on skin: Wash with plenty of water
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a doctor, a POISON CENTER
 Specific treatment (see First aid measures on this label)
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before reuse

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

| Name | Product identifier | % | Classification (GHS-US) |
|--|---------------------|-----------|---|
| sodium dodecylbenzenesulfonate | (CAS No) 25155-30-0 | 10 - 30 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 |
| SODIUM C9-22 ALKYL SEC SULFONATE | (CAS No) 68188-18-1 | 1.0 - 5.0 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 |
| Alkylpolyglycoside C8-10 | (CAS No) 68515-73-1 | 1.0 - 5.0 | Eye Irrit. 2A, H319 |
| Cocamidopropyl Hydroxy Sultaine | (CAS No) 68139-30-0 | 1.0 - 5.0 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 |
| tetrasodium ethylenediaminetetracetate | (CAS No) 64-02-8 | 0.1 - 1 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 |

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).

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|---------------------------------------|--|
| First-aid measures after inhalation | : Remove the victim into fresh air. |
| First-aid measures after skin contact | : Rinse with 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. Get immediate medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth with water. Do NOT induce vomiting. |

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

| | |
|--------------------------------------|--|
| Symptoms/injuries | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/injuries after inhalation | : None under normal use. |
| Symptoms/injuries after skin contact | : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Causes skin irritation. |
| Symptoms/injuries after eye contact | : Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage. |
| Symptoms/injuries after ingestion | : Gastrointestinal complaints. Cramps. Diarrhea. Nausea. |

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : All extinguishing media allowed.

5.2. Special hazards arising from the substance or mixture

Reactivity : Upon combustion: CO and CO₂ are formed.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Isolate from fire, if possible, without unnecessary risk.

6.1.1. For non-emergency personnel

Protective equipment : Protective goggles. Gloves. Protective clothing.

Emergency procedures : Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain released substance, pump into suitable containers.

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.

Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep container closed when not in use.

Storage area : Meet the legal requirements. Store in a cool area. Store in a dry area.

Special rules on packaging : meet the legal requirements.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Use appropriate personal protective equipment when risk assessment indicates this is necessary.
Safety glasses. Gloves. Protective clothing.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Blue liquid.
Odor : lemon-like
Odor threshold : No data available
pH : 8 - 9.5
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : > 200 °F
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : No data available
Explosion limits : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Vapor pressure : No data available
Relative density : No data available
Relative vapor density at 20 °C : No data available
Specific gravity / density : 1.07 g/ml
Solubility : Soluble in water
Log Pow : No data available
Log Kow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
VOC content : < 0.1 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion: CO and CO₂ are formed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

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 : Not classified

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| tetrasodium ethylenediaminetetracetate (64-02-8) | |
| LD50 oral rat | > 2000 mg/kg (Rat) |
| ATE CLP (oral) | 500.000 mg/kg body weight |
| sodium dodecylbenzenesulfonate (25155-30-0) | |
| LD50 oral rat | 438 mg/kg (Rat) |
| Skin corrosion/irritation | : Causes skin irritation. pH: 8 - 9.5 |
| Serious eye damage/irritation | : Causes serious eye damage. pH: 8 - 9.5 |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |
| Symptoms/injuries after inhalation | : None under normal use. |
| Symptoms/injuries after skin contact | : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Causes skin irritation. |
| Symptoms/injuries after eye contact | : Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage. |
| Symptoms/injuries after ingestion | : Gastrointestinal complaints. Cramps. Diarrhea. Nausea. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--|
| tetrasodium ethylenediaminetetracetate (64-02-8) | |
| LC50 fish 1 | 121 mg/l (96 h; Lepomis macrochirus; Soft water) |
| EC50 Daphnia 1 | 625 mg/l (24 h; Daphnia magna) |
| LC50 fish 2 | 374 - 792 mg/l (96 h; Lepomis macrochirus; pH > 7) |
| Threshold limit algae 1 | > 100 mg/l (72 h; Scenedesmus subspicatus; Growth) |
| sodium dodecylbenzenesulfonate (25155-30-0) | |
| LC50 fish 1 | 0.99 mg/l (96 h; Pisces) |
| EC50 Daphnia 1 | 2.19 mg/l (96 h; Daphnia magna) |
| LC50 fish 2 | 6.9 mg/l (96 h; Rita rita) |
| Threshold limit algae 1 | 0.9 mg/l (96 h; Algae) |

12.2. Persistence and degradability

| | |
|---|---|
| tetrasodium ethylenediaminetetracetate (64-02-8) | |
| Persistence and degradability | Not readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | < 0.002 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 0.54 - 0.58 g O ₂ /g substance |
| sodium dodecylbenzenesulfonate (25155-30-0) | |
| Persistence and degradability | Readily biodegradable in water. |

12.3. Bioaccumulative potential

| | |
|---|--|
| tetrasodium ethylenediaminetetracetate (64-02-8) | |
| Log Pow | -2.6 |
| Bioaccumulative potential | Bioaccumulation: not applicable. |
| sodium dodecylbenzenesulfonate (25155-30-0) | |
| BCF fish 1 | 286 (Lepomis macrochirus) |
| BCF fish 2 | 130 (Leuciscus idus) |
| Log Pow | 0.45 - 1.96 |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT : Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

| | |
|---|---------|
| sodium dodecylbenzenesulfonate (25155-30-0) | |
| Not listed on SARA Section 313 (Specific toxic chemical listings) | |
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 1000 lb |

California Proposition 65 - This product does not contain a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

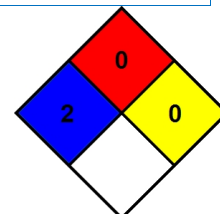
Full text of H-phrases:

| | |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.