

SAFETY DATA SHEET

1. Identification

Product identifier: Service Pro Tough Clean SP9355

Other means of identification

SDS number: RE1000040244

Recommended restrictions

Product Use: Cleaner

Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufactured For:

Company Name: Association of Independent Oil Distributors
Address: P.O. Box 1861
Montrose, CO 81402-1861
Telephone: 800-313-2463
Fax:

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Health Hazards

| | |
|-----------------------------------|-------------|
| Serious Eye Damage/Eye Irritation | Category 2A |
| Toxic to reproduction | Category 1B |

Environmental Hazards

| | |
|--|------------|
| Acute hazards to the aquatic environment | Category 3 |
|--|------------|

Label Elements

Hazard Symbol:



Signal Word: Danger

Hazard Statement: Causes serious eye irritation.
May damage fertility or the unborn child.
Harmful to aquatic life.

Precautionary Statements

- Prevention:** Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
- Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.
- Storage:** Store locked up.
- Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

| Chemical Identity | CAS number | Content in percent (%)* |
|---|------------|-------------------------|
| Boric acid, sodium salt | 12179-04-3 | 1 - <5% |
| Ethanol, 2-butoxy- | 111-76-2 | 1 - <5% |
| Benzenesulfonic acid, dodecyl-, sodium salt (1:1) | 25155-30-0 | 1 - <5% |
| Alcohols, C12-15, ethoxylated | 68131-39-5 | 1 - <5% |
| Sodium hydroxide (Na(OH)) | 1310-73-2 | 0.1 - <1% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

- Ingestion:** Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
- Inhalation:** Move to fresh air.
- Skin Contact:** Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.
- Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Methods and material for containment and cleaning up: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal.

Notification Procedures: Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.

7. Handling and storage

Precautions for safe handling: Avoid contact with eyes. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

| Chemical Identity | Type | Exposure Limit Values | Source |
|---|--------------|-----------------------|---|
| Boric acid, sodium salt - Inhalable fraction. | TWA | 2 mg/m3 | US. ACGIH Threshold Limit Values (02 2012) |
| | STEL | 6 mg/m3 | US. ACGIH Threshold Limit Values (02 2012) |
| Boric acid, sodium salt | REL | 1 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | TWA | 10 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| Ethanol, 2-butoxy- | TWA | 20 ppm | US. ACGIH Threshold Limit Values (2008) |
| | TWA | 25 ppm 120 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | REL | 5 ppm 24 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| Sodium hydroxide (Na(OH)) | PEL | 50 ppm 240 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| | Ceiling | 2 mg/m3 | US. ACGIH Threshold Limit Values (2008) |
| | Ceiling | 2 mg/m3 | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) |
| | Ceiling_Time | 2 mg/m3 | US. NIOSH: Pocket Guide to Chemical Hazards (2005) |
| | PEL | 2 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |

Biological Limit Values

| Chemical Identity | Exposure Limit Values | Source |
|---|--------------------------------|---------------------|
| Ethanol, 2-butoxy- (Butoxyacetic acid (BAA), with hydrolysis: Sampling time: End of shift.) | 200 mg/g (Creatinine in urine) | ACGIH BEL (03 2013) |

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment

General information: Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection: No data available.

Other: No data available.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: Avoid contact with eyes. Observe good industrial hygiene practices. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance

| | |
|--|------------------------|
| Physical state: | liquid |
| Form: | liquid |
| Color: | No data available. |
| Odor: | No data available. |
| Odor threshold: | No data available. |
| pH: | No data available. |
| Melting point/freezing point: | estimated 20 °C |
| Initial boiling point and boiling range: | Estimated 100 °C |
| Flash Point: | estimated > 100 °C |
| Evaporation rate: | No data available. |
| Flammability (solid, gas): | No data available. |
| Upper/lower limit on flammability or explosive limits | |
| Flammability limit - upper (%): | No data available. |
| Flammability limit - lower (%): | No data available. |
| Explosive limit - upper (%): | No data available. |
| Explosive limit - lower (%): | No data available. |
| Vapor pressure: | No data available. |
| Vapor density: | No data available. |
| Density: | 0.92 g/cm ³ |
| Relative density: | No data available. |
| Solubility(ies) | |
| Solubility in water: | No data available. |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| Viscosity: | No data available. |

10. Stability and reactivity

| | |
|-------------------------------------|---|
| Reactivity: | No data available. |
| Chemical Stability: | Material is stable under normal conditions. |
| Possibility of hazardous reactions: | No data available. |
| Conditions to avoid: | Avoid heat or contamination. |
| Incompatible Materials: | No data available. |
| Hazardous Decomposition Products: | No data available. |

11. Toxicological information

Information on likely routes of exposure

| | |
|----------------------|--------------------|
| Inhalation: | No data available. |
| Skin Contact: | No data available. |
| Eye contact: | No data available. |
| Ingestion: | No data available. |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|----------------------|--------------------|
| Inhalation: | No data available. |
| Skin Contact: | No data available. |
| Eye contact: | No data available. |
| Ingestion: | No data available. |

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

| | |
|-------------------|---------------------------------------|
| Oral | |
| Product: | ATEmix: 41,121.06 mg/kg |
| Dermal | |
| Product: | ATEmix: 21,060.94 mg/kg |
| Inhalation | |
| Product: | ATEmix: 800 mg/l ATEmix : 200 mg/l |

Repeated dose toxicity

Product: No data available.

Specified substance(s):

| | |
|----------------------------------|---|
| Ethanol, 2-butoxy- | NOAEL (Rabbit(Female, Male), Dermal, 90 d): > 150 mg/kg Dermal Experimental result, Key study NOAEL (Rat(Female), Oral, 90 d): < 82 mg/kg Oral Experimental result, Key study NOAEL (Rat(Female), Inhalation, 2 yr): < 31 ppm(m) Inhalation Experimental result, Key study |
| Alcohols, C12-15, ethoxylated | NOAEL (Rat(Female, Male), Oral, 90 d): 500 mg/kg Oral Read-across based on grouping of substances (category approach), Key study |

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

| | | |
|-------------------------------|--------------------------------|--------------------------------|
| Ethanol, 2-butoxy- | in vivo (Rabbit): Irritating | Experimental result, Key study |
| Alcohols, C12-15, ethoxylated | in vivo (Rabbit): Not irritant | Experimental result, Key study |

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

| | |
|-------------------------------|--|
| Ethanol, 2-butoxy- | Rabbit, 24 - 72 hrs: Irritating |
| Alcohols, C12-15, ethoxylated | Rabbit, 24 - 72 hrs: Not irritating |
| Sodium hydroxide (Na(OH)) | Corrosive Rabbit, 2 d: 10% Sodium Hydroxide- Category 1; 0.5% Sodium Hydroxide- Slightly irritating to eyes |

Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):

| | |
|-------------------------------|--|
| Ethanol, 2-butoxy- | Skin sensitization:, in vivo (Guinea pig): Non sensitising |
| Alcohols, C12-15, ethoxylated | Skin sensitization:, in vivo (Guinea pig): Non sensitising |

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s):

| | |
|-------------------------|--|
| Boric acid, sodium salt | May cause adverse reproductive effects - such as infertility based on animal data. |
|-------------------------|--|

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

| | |
|---|--|
| Ethanol, 2-butoxy- | LC 50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l Experimental result, Key study |
| Benzenesulfonic acid, dodecyl-, sodium salt (1:1) | LC 50 (Catfish (Rita rita), 2 h): > 10 mg/l Mortality LC 50 (Catfish (Rita rita), 4 h): > 10 mg/l Mortality LC 50 (Catfish (Rita rita), 6 h): 9.136 - 10.098 mg/l Mortality LC 50 (Catfish (Rita rita), 8 h): 8.539 - 9.323 mg/l Mortality LC 50 (Catfish (Rita rita), 10 h): 8.381 - 9.262 mg/l Mortality |
| Alcohols, C12-15, ethoxylated | LC 50 (Oncorhynchus mykiss, 96 h): 2.4 mg/l Experimental result, Supporting study |
| Sodium hydroxide (Na(OH)) | LC 50 (Western mosquitofish (Gambusia affinis), 96 h): 125 mg/l Mortality LC 50 (Gambusia affinis, 96 h): < 180 mg/l Experimental result, Supporting study |

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

| | |
|---|--|
| Ethanol, 2-butoxy- | EC 50 (Daphnia magna, 48 h): 1,550 mg/l Experimental result, Key study |
| Benzenesulfonic acid, dodecyl-, sodium salt (1:1) | EC 50 (Water flea (Daphnia magna), 24 h): 12 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 24 h): 17 mg/l Intoxication EC 50 (Water flea (Ceriodaphnia dubia), 48 h): 3.26 - 14.51 mg/l Intoxication LC 50 (Water flea (Moina macrocopa), 3 h): 2.1 mg/l Mortality LC 50 (Water flea (Ceriodaphnia dubia), 7 d): 19.87 mg/l Mortality |
| Alcohols, C12-15, ethoxylated | EC 50 (Daphnia magna, 48 h): 0.14 mg/l Experimental result, Key study |
| Sodium hydroxide | EC 50 (Water flea (Ceriodaphnia dubia), 48 h): 34.59 - 47.13 mg/l |

(Na(OH)) Intoxication

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Ethanol, 2-butoxy- NOAEL (Danio rerio): > 100 mg/l Experimental result, Key study

Alcohols, C12-15, ethoxylated NOAEL (Lepomis macrochirus): 0.33 mg/l Experimental result, Key study

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Ethanol, 2-butoxy- EC 50 (Daphnia magna): 297 mg/l Experimental result, Key study
EC 10 (Daphnia magna): 134 mg/l Experimental result, Key study

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s):

Benzenesulfonic acid, dodecyl-, sodium salt (1:1) EC 50 (Green algae (Chlamydomonas variabilis), 4 h): 3 mg/l Intoxication
EC 50 (Green algae (Chlamydomonas variabilis), 4 h): 3.7 mg/l Intoxication
EC 50 (Green algae (Chlamydomonas variabilis), 4 h): 4.1 mg/l Intoxication

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

Ethanol, 2-butoxy- 90.4 % Detected in water. Experimental result, Key study

Alcohols, C12-15, ethoxylated 72 % (28 d) Detected in water. Experimental result, Key study

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Specified substance(s):

Benzenesulfonic acid, dodecyl-, sodium salt (1:1) Carp (Cyprinus carpio), Bioconcentration Factor (BCF): 400 (Not reported)
Carp (Cyprinus carpio), Bioconcentration Factor (BCF): 16 (Not reported)
Bluegill (Lepomis macrochirus), Bioconcentration Factor (BCF): 94 (Flow through)
Bluegill (Lepomis macrochirus), Bioconcentration Factor (BCF): 220 (Flow through)
Carp (Cyprinus carpio), Bioconcentration Factor (BCF): 9.7 - 16 (Static)

Alcohols, C12-15,
ethoxylated

Pimephales promelas, Bioconcentration Factor (BCF): 237 Aquatic sediment
Read-across from supporting substance (structural analogue or surrogate),
Key study

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

Alcohols, C12-15,
ethoxylated Log Kow: 2.03 - 6.24 No QSAR, Key study

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Boric acid, sodium salt No data available.
Ethanol, 2-butoxy- No data available.
Benzenesulfonic acid, No data available.
dodecyl-, sodium salt (1:1)
Alcohols, C12-15, No data available.
ethoxylated
Sodium hydroxide (Na(OH)) No data available.

Other adverse effects: Harmful to aquatic organisms.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: No data available.

14. Transport information

DOT

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

15. Regulatory information

US Federal Regulations

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|---|----------------------------|
| Benzenesulfonic acid, dodecyl-, sodium salt (1:1) | lbs. 1000 |
| Sodium hydroxide (Na(OH)) | lbs. 1000 |

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards
Delayed (Chronic) Health Hazard
Serious Eye Damage/Eye Irritation
Toxic to reproduction

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|---|----------------------------|
| Ethanol, 2-butoxy-Benzenesulfonic acid, dodecyl-, sodium salt (1:1) | lbs. 1000 |
| Sodium hydroxide (Na(OH)) | lbs. 1000 |

SARA 311/312 Hazardous Chemical

| <u>Chemical Identity</u> | <u>Threshold Planning Quantity</u> |
|---|------------------------------------|
| Boric acid, sodium salt | 10000 lbs |
| Ethanol, 2-butoxy-Benzenesulfonic acid, dodecyl-, sodium salt (1:1) | 10000 lbs |
| Alcohols, C12-15, ethoxylated | 10000 lbs |
| Sodium hydroxide (Na(OH)) | 10000 lbs |

SARA 313 (TRI Reporting)

| <u>Chemical Identity</u> | <u>Reporting threshold for other users</u> | <u>Reporting threshold for manufacturing and processing</u> |
|--------------------------|--|---|
| Ethanol, 2-butoxy- | N230 lbs | N230 lbs. |

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

| <u>Chemical Identity</u> |
|---|
| Boric acid, sodium salt |
| Ethanol, 2-butoxy- |
| Benzenesulfonic acid, dodecyl-, sodium salt (1:1) |

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Boric acid, sodium salt

Ethanol, 2-butoxy-

Benzenesulfonic acid, dodecyl-, sodium salt (1:1)

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

Inventory Status:

| | |
|--|--|
| EINECS, ELINCS or NLP: | Not in compliance with the inventory. |
| China Inv. Existing Chemical Substances: | Not in compliance with the inventory. |
| Korea Existing Chemicals Inv. (KECI): | Not in compliance with the inventory. |
| Canada NDSL Inventory: | Not in compliance with the inventory. |
| Philippines PICCS: | Not in compliance with the inventory. |
| New Zealand Inventory of Chemicals: | On or in compliance with the inventory |
| Japan ISHL Listing: | Not in compliance with the inventory. |
| Japan Pharmacopoeia Listing: | Not in compliance with the inventory. |
| Taiwan Chemical Substance Inventory: | On or in compliance with the inventory |
| Australia AICS: | On or in compliance with the inventory |
| Canada DSL Inventory List: | On or in compliance with the inventory |
| Japan (ENCS) List: | On or in compliance with the inventory |
| US TSCA Inventory: | On or in compliance with the inventory |
| Mexico INSQ: | On or in compliance with the inventory |
| Ontario Inventory: | On or in compliance with the inventory |

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| 16. Other information, including date of preparation or last revision |
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| | |
|------------------------------|---|
| Issue Date: | 10/29/2019 |
| Revision Information: | No data available. |
| Version #: | 1.1 |
| Further Information: | No data available. |
| Disclaimer: | This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment. |