# TRAP & TREAT® PFAS BOS™

Safety Data Sheet

Issued: 11/01/2026 | Supersedes: NA| Version: 1.0 | Product Code: RT1400

## SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1. Product Identifier

**Product name** TRAP & TREAT® PFAS BOS™

**Product form** Substance

**Product code**

**Other names** Activated carbon; Steam-activated carbon

### 1.2. Relevant Identified Uses

**Use of substance/mixture** Adsorbent

### 1.3. Supplier Details

Remediation Products, Inc.
6390 Joyce Drive #150
Golden, Colorado 80403

### 1.4. Emergency Telephone Number

**Emergency number** CHEMTREC (24 HRS): 1-800-424-9300

## SECTION 2: Hazards Identification

### 2.1. Classification (GHS-US)

Combustible Dust

Not classified as a simple asphyxiant. Product does not displace oxygen in the ambient atmosphere but slowly adsorbs oxygen from a confined space when wet. Under anticipated and recommended use conditions, the product does not pose an asphyxiation hazard.

### 2.2. Label Elements (GHS-US)

**Signal word** Warning

**Hazard statement** May form combustible dust concentrations in air

### 2.3. Other Hazards not contributing to the classification

Wet activated carbon can deplete oxygen from the air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen-deficient environment should be followed.

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: Composition / Information on Ingredients

### 3.1. Substance

| Name | Product Identifier (CAS No) | % |
|---|---|---|
| Activated carbon | 7440-44-0 | <100* |

* This product is manufactured from a naturally occurring raw material and may contain non-carbon elements and minerals as impurities. It has been specifically determined that the impurity contend will not have any impact on the hazard classification of this product.

### 3.2 Mixtures

| Name | Product Identifier (CAS No) | % |
|---|---|---|
| Not Applicable | | |

## SECTION 4: First Aid Menot have anyes

### 4.1. Description of First Aid Measures

**General** If exposed or concerned, get medical attention/advice. Show this SDS to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

**After inhalation** Remove to fresh air and keep at rest in a comfortable position for breathing.

**After skin contact** Remove affected clothing and wash all exposed skin with water for at least 15 minutes.

**After eye contact** Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**After ingestion** Rinse mouth thoroughly. Do not induce vomiting without advice from the poison control center or a medical professional. Get medical attention if you feel unwell.

### 4.2. Most Important Symptoms and Effects

**After inhalation** Not expected to present a significant hazard under anticipated conditions of normal use. Dust may cause irritation to the respiratory system.

**After skin contact** Dust may cause irritation.

**After eye contact** Dust may cause irritation and redness.

**After ingestion** Not expected to present a significant hazard under anticipated conditions of normal use.

## SECTION 5: Firefighting Measures

### 5.1. Extinguishing Media

**Suitable** Water spray. Carbon dioxide. Dry chemical. Foam. Sand.

**Unsuitable** None known.

### 5.2. Special Hazards

**Fire hazard** Dust may be combustible under specific conditions. May be ignited by heat, sparks, or flames.

**Explosion hazard** Dust may form an explosive mixture in the air.

**Reactivity** No dangerous reactions known under normal conditions of use. Carbon oxides may be emitted upon combustion of material.

### 5.3. Advice for Firefighters

Wear a NIOSH-approved self-contained breathing apparatus suitable for the surrounding fire conditions. Use water spray or fog for cooling exposed containers. Evacuate the area.

## SECTION 6: Accidental Release Measures

### 6.1. Personal Precautions and Emergency Procedures

Evacuate the area. Keep upwind. Ventilate area. Spills should be handled by trained cleanup crews properly equipped with respiratory protection and full chemical protective gear (see Section 8).

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. The product is not soluble but can cause particulate emissions if discharged into waterways. Block all entrances to sewers and drains to prevent material from entering waterways. Notify authorities if the product enters sewers or public waters.

### 6.3. Methods and Materials for Containment and Cleaning Up

| | |
|---|---|
| **For containment** | Sweep or shovel spills into the appropriate container for disposal. Minimize the generation of dust. |
| **Methods for cleaning up** | Sweep or shovel spills into the appropriate container for disposal. Minimize the generation of dust. Dispose of material in compliance with local, state, and federal regulations. |

## SECTION 7: Handling and Storage

### 7.1. Precautions for Safe Handling

Avoid dust formation. Avoid contact with skin, eyes, and clothing. Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking, and when leaving work. Keep away from sources of ignition — No smoking.

### 7.2. Storage Conditions

Keep the container tightly closed in a cool, dry, and well-ventilated place. Keep away from ignition sources.

## SECTION 8: Exposure Controls / Personal Protection

### 8.1. Control Parameters — OSHA PEL (TWA)

| Component | OSHA PEL (TWA) (mg/m³) |
|---|---|
| Activated carbon (7440-44-0)* | ≤ 5 (Respirable Fraction) ≤ 15 (Total Dust) |

*Exposure limits are for inert or nuisance dust. No specific exposure limits have been established for this activated carbon product by OSHA or ACGIH.

### 8.2. Exposure Controls

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|---|---|
| **Engineering controls** | Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas. Wet activated carbon can deplete oxygen from air in enclosed spaces; if use in an enclosed space is required, procedures for work in an oxygen-deficient environment should be followed. |
| **Personal protective equipment** | Gloves. Safety glasses. Protective clothing. Insufficient ventilation: wear respiratory protection. |
| **Hand protection** | Gloves classified under Standard EN 374 or ASTM F1296. Suggested: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this application can be recommended by the glove supplier. |
| **Eye protection** | Use eye protection suitable to the environment. Avoid direct contact with eyes. |
| **Skin and body protection** | Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure. |

| | |
|---|---|
| **Respiratory protection** | Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment. |

## SECTION 9: Physical and Chemical Properties

### 9.1. Basic Physical and Chemical Properties

| | |
|---|---|
| **Physical state** | Solid |
| **Appearance** | Granular, powder, or pelletized substance |
| **Color** | Black |
| **Odor** | Slight earthy odor |
| **pH** | No data available |
| **Melting point** | Not applicable |
| **Flash point** | No data available |
| **Auto-ignition temperature** | > 350 °C |
| **Flammability (solid, gas)** | > 350 °C |
| **Apparent density** | 0.3 – 0.75 g/cc |
| **Solubility** | Insoluble |
| **Explosive properties** | No data available |
| **Oxidizing properties** | No data available |

## SECTION 10: Stability and Reactivity

| | |
|---|---|
| **Reactivity** | No dangerous reactions known under normal conditions of use. |
| **Chemical stability** | Stable under use and storage conditions as recommended in Section 7. |
| **Hazardous reactions** | None known. |
| **Conditions to avoid** | Avoid dust formation. Heat. Ignition sources. Exposure to high concentrations of organic compounds may cause bed temperature to rise. |
| **Incompatible materials** | Alkali metals. Strong oxidizing agents. |
| **Hazardous decomposition products** | Carbon monoxide (CO), carbon dioxide ($CO_2$). |

## SECTION 11: Toxicological Information

### 11.1. Acute Toxicity

Not classified

| | |
|---|---|
| **Activated carbon (7440-44-0)** | LD50 oral rat: > 2000 mg/kg |
| **Skin corrosion/irritation** | Not classified |
| **Serious eye damage/irritation** | Not classified |
| **Respiratory or skin sensitization** | Not classified |

| | |
|---|---|
| **Germ cell mutagenicity** | Not classified |
| **Carcinogenicity** | Not classified |

**Silica: crystalline, quartz (14808-60-7)**

IARC Group 1 — Carcinogenic to humans. However, these warnings refer to crystalline silica dust and do not apply to solid activated carbon that contains crystalline silica as a naturally occurring, bound impurity. As such, this product has not been classified as a carcinogen in accordance with the US OSHA Hazard Communication Standard (29 CFR §1910.1200), but users should avoid inhalation of the product in a dust form.

| | |
|---|---|
| **Reproductive toxicity** | Not classified |
| **Specific target organ toxicity STOT (single exposure)** | Not classified |
| **STOT (repeated exposure)** | Not classified |
| **Aspiration hazard** | Not classified |
| **Symptoms/injuries after inhalation** | Not expected to present a significant hazard under anticipated conditions of normal use. |
| **Symptoms/injuries after skin contact** | Dust may cause irritation of the skin |
| **Symptoms/injuries after eye contact** | Dust may cause irritation and redness |
| **Symptoms/injuries after ingestion** | Not expected to present a significant hazard under anticipated conditions of normal use. |

## SECTION 12: Ecological Information

12.1. Toxicity — No additional information available.

12.2. Persistence and degradability — No additional information available.

12.3. Bioaccumulative potential — No additional information available.

12.4. Mobility in soil — No additional information available.

12.5. Other adverse effects — No additional information available.

## SECTION 13: Disposal Considerations

| | |
|---|---|
| **Waste treatment methods** | Vacuum or shovel material into a closed container. Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment. |
| **Additional information** | Activated carbon is an adsorbent media; hazard classification is generally determined by the adsorbate. Consult U.S. EPA guidelines listed in 40 CFR 261.3 for more information on hazardous waste disposal. |

## SECTION 14: Transport Information

**14.1. DOT (Domestic Land Transport)**

**Not classified as hazardous for domestic land transport**. Activated carbon is regulated as UN 1362, Carbon, activated, Class 4.2 PG III only when Division 4.2 self-heating criteria are met. Where UN Test N.4 demonstrates no self-heating and no other hazard call applies, the product is not subject to the HMR for U.S. highway/rail (per PHMSA Interpretation 23-0058)

| | |
|---|---|
| **UN-No. (DOT)** | None on finished product |
| **Proper Shipping Name** | Not regulated as dangerous goods |

| | |
|---|---|
| **DOT Hazard Classes** | None on finished product |
| **Packing group** | None on finished product |

### 14.2. Transport by Sea (IMO/IMDG)

Not classified as hazardous for water transport. Per Special Provision 979 of the IMDG Code, steam-activated carbon products are exempt from classification as UN 1362 – CARBON ACTIVATED and is thus **not** considered a dangerous good for transportation.

| | |
|---|---|
| **UN/NA Identification Number** | None on finished product |
| **UN-Proper Shipping Name** | Not regulated |

### 14.3. Air Transport (ICAO/IATA Classification)

Not classified as hazardous for air transport.

| | |
|---|---|
| **UN/NA No** | None on finished product |
| **UN-Proper Shipping Name** | Not regulated |

### 14.4. Additional Information

Under the UN classification for activated carbon, all activated carbons are classified as class 4.2 products. However, this product type has been tested according to the United Nations Transport of Dangerous Goods test protocol for a “self-heating substance” (United Nations Transportation of Dangerous Goods, Manual of Tests and Criteria, Part III, Test N.4 – Test Method for Self-Heating Substances) and has been specifically determined not to meet the definition of a DOT self-heating substance (class 4.2) or any other hazard class. This information is applicable to the steam-activated carbon product described in this document.

## SECTION 15: Regulatory Information

### 15.1. US Federal Regulations

**Trap & Treat® PFAS BOS™**

All chemical substances in this product are listed as 'Active' in the EPA (Environmental Protection Agency) “TSCA Inventory Notification (Active-Inactive) Requirements Rule” (“the Final Rule”) as of February 2019 or are otherwise exempt.

SARA Section 311/312 Hazard Classes Physical hazard — Combustible dust

### 15.2. International Regulations

No additional information available.

### 15.3. US State Regulations — California Proposition 65

WARNING: This product can expose you to chemicals, including silica: crystalline, quartz, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

An exposure assessment conducted in October 2023 determined the contaminants of Proposition 65 concern are below the estimated Safe Harbor Levels. A Proposition 65 warning label is not required for products listed under Section 16 of this SDS.

| Component | State or local regulations |
|---|---|
| Aluminum oxide (1344-28-1) | U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Massachusetts - Right To Know List<br>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |
| Calcium sulfate (7778-18-9) | U.S. - Massachusetts - Right to Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) List |
| Silica: crystalline, quartz (14808-60-7) | U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) List<br>U.S. - Massachusetts - Right To Know List |
| Titanium Dioxide (13463-67-7 | U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Massachusetts - Right To Know List<br>U.S. - Pennsylvania - RTK (Right to Know) List |
| Cobalt (7440-48-4) | U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) List |

## SECTION 16: Other Information

**Indication of changes** Issue Date: 11/1/2026

**Revision Date** NA

**Author** RPI

**NFPA Ratings**

**Health hazard** 0 — Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

**Fire hazard** 1 — Must be preheated before ignition can occur.

**Reactivity** 0 — Normally stable, even under fire exposure conditions, and is not reactive with water.

**HMIS III Rating**

**Health** 0

**Flammability** 1

**Physical** 0

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. The information in this document applies to this specific material as supplied. It may not be valid if the product is used in combination with other materials. It is the user's responsibility to determine the suitability and completeness of this information for their particular use. While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Remediation Products, Inc. makes no warranty with respect to the same, and disclaims all liability for reliance thereon.