



# TRAP & TREAT® Bacteria Concentrate

## Safety Data Sheet

Issued: 01/05/2020  
Supersedes: 01/30/2015  
Version: 1.0

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

#### 1.1. Product identifier

Product name : TRAP & TREAT® Bacteria Concentrate  
Product form : Water solution  
Harmonized Tariff Code : 3002.90.10.00

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

Use of the substance/mixture : Bioremediation Agent, for petroleum hydrocarbons

#### 1.3. Details of the supplier of the safety data sheet

Remediation Products Inc.  
6390 Joyce Drive  
Golden, CO 80403  
720-639-8771

#### 1.4. Emergency telephone number

Emergency number : 720-589-9282

### SECTION 2: Hazards Identification

#### 2.1. Emergency Overview

This product is not considered to be hazardous to animals, plants, humans, or the environment. The microbes are all naturally occurring and have not been genetically modified. The product has very low toxicity via ingestion, skin/eye contact, or inhalation.

#### 2.2. Possible Routes of Entry

Inhalation, Ingestion, Eyes, and Skin.

#### 2.3. Potential Health Effects from Over-exposure

Acute:

Skin/eye Irritation: Direct contact with skin or eyes may cause mild irritation in some individuals

Ingestion: May cause nausea and diarrhea in some individuals.

Chronic:

Symptoms: Available data does not suggest any long-term symptoms from exposure.

Aggravation: Available data does not suggest any aggravation of existing conditions.

Notes: In the unlikely event that over-exposure occurs, follow first aid measures in Section 4.

### SECTION 3: Composition/Information on Ingredients

#### 3.1. Contains

Pseudomonas Fluorescens  
Pseudomonas Putida  
Pseudomonas Stutzeri  
Rhodopseudomonas Palustris  
Saccharomyces Cerevisiae  
Alcaligenes species  
Cellumonas species

#### 3.2. Mixture

Name	Product identifier	%
Water	(CAS No) 7440-44-0	89% to 91%
Liquid Mixture of Microbial Strains	Not Applicable	4% to 5 %
Ferment Residue (non-animal)	Not Applicable	5% to 6%

### SECTION 4: First Aid Measure

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### 4.1. Description of first aid measures

First-aid measures general	: If exposed or concerned, get medical attention/advice. Remove from source of exposure. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes.
First-aid measures after eye contact	: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth thoroughly. Do not induce vomiting. Give water if able to swallow. Get medical attention if you feel unwell.

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

Note to Physicians and First Aid Providers	: This product is not expected to present a significant hazard under anticipated conditions of normal use. It has low oral, dermal, and inhalation toxicity. Direct contact with eyes may cause temporary irritation and redness of the eyes.
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### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

## SECTION 5: Firefighting Measures

### 5.1. General

Use methods and protective gear that are appropriate for the conditions and size of the fire. The product is not a fire hazard.

### 5.2. Extinguishing media

Suitable extinguishing media : Water spray. Carbon dioxide. Dry chemical. Foam. Sand. Use appropriate media for underlying cause and combustibles involved in the fire.

### 5.3. Special Equipment

Self-contained breathing apparatus and full protective gear according to the conditions and size of the fire.

Note: The product is not explosive and does not constitute a fire hazard.

## SECTION 6: Accidental Release Measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Methods and material for containment and cleaning up

Methods for cleaning up : Carefully mop or sweep up spill and place in a closed container for disposal. Rinse area with water.

### 6.3. Reference to other sections

Refer to Section 8 for personal protection and Section 13 for disposal considerations.

## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Use handling procedures that minimize exposure to the product. 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.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a refrigerator or alternatively in a cool location in the original container.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

There are no specific engineering controls for this product.

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### 8.2. Exposure controls

Personal protective equipment : Gloves. Safety glasses. Insufficient ventilation: wear respiratory protection if liquid is sprayed.



Hand protection : Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific 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 suitable protective clothing such as long-sleeved shirt, pants, and shoes with socks.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Tan to flesh colored
Odor	: Creamed Corn
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not flammable
Vapor pressure	: Not applicable
Relative vapor density at 20 °C	: Not applicable
Specific Gravity	: 1.00073
Solubility	: Completely miscible in water
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available
Incompatibility	: None known

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

### 10.3. Possibility of hazardous reactions

None are known.

### 10.4. Conditions to avoid

None are known.

### 10.5. Incompatible materials

None are Known.

### 10.6. Hazardous decomposition products

None are known.

## SECTION 11: Toxicological Information

### 11.1. Potential Routes of Entry

Eyes and Skin

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### 11.2 Potential Health Effects from Over-exposure

Ingestion	: May cause nausea and diarrhea in some individuals.
Skin/Eye Irritation	: Direct contact with skin or eyes may cause slight irritation in some individuals.
Aspiration hazard	: Not Applicable

Section 11 Note: None of the components of this product are listed as carcinogenic by NTP, IARC, or OSHA. While no toxicological studies have been performed on this product, no reports of toxicity have been reported in over 25 years of use. The microbial components are naturally occurring and are non-pathogenic for animal and plants. They have not been genetically modified.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

With regard to environmental fate and behavior, this product is not expected to impose any environmental risk.

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

This product has been in use for over 25 years in surface water, groundwater, and land applications and has never been reported to be toxic to animals or plants.

## SECTION 13: Disposal Considerations

### 13.1. Waste Disposal Methods

In the event this product becomes a waste, it does not meet the criteria of a hazardous waste. As a non-hazardous solid waste, it can be disposed of in an industrial waste landfill in accordance with government regulations. The empty container can be disposed of as a non-hazardous solid waste or alternatively returned to the vendor for recycle.

Section 13 Note: Regulatory requirements are subject to change and acceptable methods of disposal may vary by location. The appropriate agencies should be contacted for advisement prior to disposal.

## SECTION 14: Transport Information

### 14.1. In accordance with DOT

Not classified as hazardous for domestic land transport

UN-No.(DOT)	: None on finished product
DOT NA no.	: None on finished product
Proper Shipping Name (DOT)	: Not regulated
Department of Transportation (DOT) Hazard Classes	: None on finished product
Hazard labels (DOT)	: None on finished product
Packing group (DOT)	: None on finished product
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: None on finished product

### 14.2. Transport by sea

Not classified as hazardous for water transport

IMO / IMDG	
UN/NA Identification Number	: None on finished product
UN- Proper Shipping Name	: Not regulated
Transport Hazard Class	: None on finished product

### 14.3. Air transport

Not classified as hazardous for air transport

ICAO / IATA	
UN/NA No	: None on finished product
UN- Proper Shipping Name	: Not regulated
Transport Hazard Class	: None on finished product
Packing Group	: None on finished product

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### 14.4. Additional information

Other information : This product may require importation permits in some countries.

## SECTION 15: Regulatory Information

### Labeling according to EC Directives

Symbol : Not Required  
R-phrases : Not Required  
S-phrases : S2 Keep out of reach of children  
(Recommended) S 20/21 When using, do not eat, drink, or smoke.

U.S. EPA SARA : No acute or chronic health hazards. No fire, release of pressure, or reactivity hazards.

U.S. EPA : No registration required.

## SECTION 16: Other Information

Indication of changes : Revision 1.0: New SDS Created.

Revision Date : 05 January 2020

Other information :

For internal use only :

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 – Product is not flammable.

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

### HMIS III Rating

Health : 0

Flammability : 0

Physical : 0

Personal Protection :

### User's Responsibility

This safety data sheet provides health and safety information. This product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to ensure safe workplace operations.