

# SAFETY DATA SHEET – ActiTPH™

Date of Issue: Issue #1, August 2025 (valid for 5 years)

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 Product Name:** Micronovo ActiTPH™  
**Other Names:** Bioremediation Nutrient Solution  
**Product Form:** Liquid mixture.
- 1.2 Recommended Use:** Bioremediation of contaminated groundwater and soils.  
 Use as recommended by the label.
- 1.3 Manufacturer Name:** **Micronovo Technologies Pty Limited** (A.B.N. 92 676 406 965)  
 Gate 3, Botany Industrial Park,  
 Denison St, Banksmeadow NSW  
*Email: [info@micronovotech.com.au](mailto:info@micronovotech.com.au), Internet: [www.micronovotech.com.au](http://www.micronovotech.com.au)*
- 1.4 Emergency Contact:** +61 425 279 798  
 Product information (Monday – Friday, 9:00am – 17:00pm EST)

## 2. HAZARDS IDENTIFICATION

- 2.1 Poisons Schedule:** Not scheduled.
- 2.2 Globally Harmonised System**  
**Hazard Classification:** No applicable GHS categories. This product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
**Signal Word:** None.
- 2.3 National Transport Commission (Australia)**  
**Dangerous Goods Classification** NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
- 2.4 Safe Work Australia**  
**Hazard Classification** NOT hazardous according to the criteria of Safe Work Australia under Model WHS Regulations.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 Chemical Formula:** Mixture.
- 3.2 Hazardous Components**
- | Chemical Name | Concentration (%) | CAS Number |
|---------------|-------------------|------------|
| None          | None              | None       |
- 3.3 Nonhazardous Components**
- | Chemical Name              | Concentration (%) | CAS Number |
|----------------------------|-------------------|------------|
| Non-hazardous ingredients* | 50-70%            | Various    |
| Water                      | to 100%           | 7732-18-5  |

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This includes Ammonium Nitrate, Urea, Ammonium Sulphate, Potassium phosphate, potassium sulphate other salts plus organic humic substances. This is a commercial product whose exact ratio of components may vary and include trace quantities of impurities.

### 4. FIRST AID MEASURES

- 4.1 Eye Contact:** IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.  
\*Suitable emergency eye wash facility should be immediately available.
- 4.2 Skin Contact:** Wash affected area with soap and water. If irritation or redness results from prolonged skin contact, seek medical attention.
- 4.3 Ingestion:** IF SWALLOWED: Thoroughly rinse mouth with water. Get medical advice/attention if you feel unwell.  
\*First aid is not generally required.
- 4.4 Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention.  
\*Due to product form/nature of use, an inhalation hazard is not anticipated.
- 4.5 Advice to Doctor:** Treat symptomatically.  
\* Most important symptoms and effects, both acute and delayed: No information available.  
\* Indication of any immediate medical attention and special treatment needed: No information available.

### 5. FIRE FIGHTING MEASURES

- 5.1 General Measures:** Non-flammable
- 5.2 Flammability Conditions:** Non-flammable
- 5.3 Extinguishing Media:** Use media to suit materials involved in fire.
- 5.4 Fire and Explosion Hazard:** Non-flammable. No fire or explosion hazards exist.
- 5.5 Hazardous Products of Combustion:** May evolve carbon oxides, sulfurous oxides (SO<sub>x</sub>) and nitrogen oxides (NO<sub>x</sub>) when heated to decomposition, this will only occur after heating to dryness.
- 5.6 Special Fire Fighting Instructions:** Contain runoff from fire control or dilution water - Runoff may cause pollution.
- 5.7 Personal Protective Equipment:** Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
- 5.8 Flash Point:** Non-flammable
- 5.9 Lower Explosion Limit:** Not applicable

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5.10 Upper Explosion Limit: Not applicable

5.11 Auto Ignition Temperature: Not applicable

5.12 Hazchem Code: None allocated.

### 6. ACCIDENTAL RELEASE MEASURES

- 6.1 **General Response Procedure:** Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or watercourses.
- 6.2 **Clean-up Procedures:** Pick up with sand or other suitable absorbent material and place into containers for later disposal (see SECTION 13)
- 6.3 **Containment:** Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Inform the relevant authorities if this occurs.
- 6.4 **Decontamination:** No information available.
- 6.4 **Environment Precautionary Measures:** Prevent product from entering drains and waterways
- 6.5 **Evacuation Criteria:** Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
- 6.6 **Personal Precautionary Measures:** Use personal protective equipment as required (see SECTION 8)

### 7. HANDLING & STORAGE

- 7.1 **Handling:** Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing mist/vapours/aerosols and contact with eyes, skin and clothing. Use personal protective equipment as required (see SECTION 8).
- 7.2 **Storage:** Store in a cool, dry and well-ventilated place, out of direct sunlight. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10)
- 7.3 **Container:** Store in the original container.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 **General:** No specific exposure standards are available for this product..
- 8.2 **Exposure Limits:** No Data Available.
- 8.2 **Biological Limits:** No information available.

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**8.3 Engineering Measures:** No information available.

**8.4 Personal Protective Equipment:**

**Respiratory protection:** Not required under normal conditions of use.

**Eye/face protection:** Wear appropriate eye protection to avoid eye contact. When using large quantities or where heavy contamination is likely, wear splash-proof goggles.

**Hand protection:** When using large quantities or where heavy contamination is likely, wear PVC or rubber gloves.

**Skin/body protection:** Wear appropriate personal protective clothing to avoid skin contact.

**8.5 Special Hazards Precautions:** No information available.

**8.6 Work Hygienic Practices:** Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

### 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Brown liquid
<b>Odour</b>	Pleasant
<b>Colour</b>	Brown
<b>pH</b>	Approx. 4
<b>Boiling Point</b>	No data.
<b>Melting Point</b>	No data. Liquid at room temperature.
<b>Freezing Point</b>	No data.
<b>Solubility</b>	Soluble in water.
<b>Specific Gravity</b>	Approx. 1.3
<b>Flash Point</b>	Not flammable.
<b>Auto Ignition Temp</b>	Not applicable. Does not burn.

### 10. STABILITY & REACTIVITY

**10.1 Chemical Stability:** Stable under recommended conditions of storage.

**10.2 Conditions to Avoid:** Store in a cool place. Keep away from heat and sunlight.

**10.3 Incompatible Materials:** None known.

**10.4 Hazardous Decomposition Products:** May evolve carbon oxides, sulfurous oxides (SO<sub>x</sub>) and nitrogen oxides (NO<sub>x</sub>) when heated to decomposition, this will only occur after heating to dryness.

**10.5 Hazardous Polymerisation:** Polymerisation is not expected to occur.

### 11. TOXICOLOGICAL INFORMATION

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- 11.1 General Information on toxicological effects:**
- Acute toxicity:** No known toxicological effects from this product. Based on available data, the classification criteria are not met.
- Skin corrosion/irritation:** Not classified as a skin irritant. Skin irritation is not anticipated under normal conditions of use.
- Eye damage/irritation:** Not classified as an eye irritant. Eye irritation is not anticipated under normal conditions of use.
- Respiratory/skin sensitisation:** Not classified as causing skin or respiratory sensitisation.
- Germ cell mutagenicity:** No evidence of mutagenic effects.
- Carcinogenicity:** No evidence of carcinogenic effects.
- Reproductive toxicity:** No relevant or reliable studies were identified.
- STOT (single exposure):** No known effects from this product.
- STOT (repeated exposure):** No known effects from this product.
- Aspiration toxicity:** This product does not present an aspiration hazard.
- 11.2 General Information on likely routes of exposure:**
- Ingestion:** No known effects from this product.
- Eye contact:** May cause eye irritation
- Skin contact:** May cause mild irritation if frequent or prolonged exposure to skin.
- Inhalation:** No known effects from this product.
- Chronic effects:** No known effects from this product
- 11.3 Additional information:** When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. The substance is not subject to classification.

## 12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities.
- 12.2 Persistence/ degradability:** No data.
- 12.3 Mobility:** No data.
- 12.4 Environmental fate:** Prevent entry into drains and waterways.
- 12.5 Bioaccumulation Potential:** This product is not expected to bioaccumulate.
- 12.6 Environmental Impact:** No data.

## 13. DISPOSAL CONSIDERATIONS

- 13.1 Disposal Methods:** Dispose of contents/container in accordance with local/regional/national regulations.
- 13.2 Special Precautions for Landfill or Incineration:** None.

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### 14. TRANSPORT INFORMATION

#### Land Transport Australia ADG Code

14.1 Proper Shipping Name:	None Allocated.
14.2 Class:	None Allocated.
14.3 Subsidiary Risk(s):	No Data Available.
14.4 UN Number:	No Data Available.
14.5 Hazchem:	No Data Available.
14.6 Pack Group:	No Data Available.
14.7 Special Provisions:	No Data Available.
14.8 Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport

### 15. REGULATORY INFORMATION

General Information:	All of the significant ingredients in this formulation are to be found in the public AICS Database.
Poisons Schedule (Australia):	Not Scheduled.

### 16. OTHER INFORMATION

Revision date:	1-Aug-2025
Expiry date:	1-Aug-2030
Prepared by:	Micronovo Technologies Pty Ltd Email: <a href="mailto:info@micronovotech.com.au">info@micronovotech.com.au</a> Internet: <a href="http://www.micronovotech.com.au">www.micronovotech.com.au</a>

#### Key/Legend:

<	Less Than
>	Greater Than
ADG	Code Australian Code for the Transport of Dangerous Goods by Road
AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code that provides information to emergency services
SWA	Safe Work Australia
UN Number	United Nations Number

#### Disclaimer:

This Safety Data Sheet (SDS) summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS and consider the information in the context of how the product will be handled and used in the workplace. Users should make an independent decision regarding the accuracy of this information based on their needs and data available to them. All substances and mixtures may present unknown hazards and all necessary safety precautions should be taken.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should

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contact this company. Our responsibility for products sold is subject to our standard terms and conditions, that is also available on request.

**End of SDS**