

Safety Data Sheet

PlantOpsis™ DirectPCR-A



Section 1: Chemical Product and Company Identification

Product Name: PlantOpsis™ DirectPCR-A
Catalog No.: 732025 / 732100 / 7321000
CAS#: Mixture.
RTECS: Mixture.
TSCA: TSCA 8(b) inventory: Components were listed.
CI#: Not applicable.
Synonym: None
Chemical Name: Not applicable.
Identified Uses: Research Use Only - RUO (not for use with human or veterinary samples of any type)

Contact Information of Manufacturer:
Entopsis, Inc.
7600 NW 69th Ave.
Medley, FL 33166
E-mail: info@entopsis.com
24-hour Emergency: 1-888-407-5070

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS# / RTECS#	% by Weight
Trade Secret	Trade Secret	<1%
Trade Secret	Trade Secret	<1%
Trade Secret	Trade Secret	<1%
Trade Secret	Trade Secret	<1%
Trade Secret	Trade Secret	2%
RVD Enhancer	N / A	<20%
Sodium Azide	26628-22-8 / VY8050000	0.04%

Toxicological Data on Ingredients:

Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied.

Sodium azide - Toxicity Data: Oral LD50 (rat): 27 mg/kg; Oral TDLO (woman): 3 mg/kg; Intraperitoneal LDLO (rat): 30 mg/kg; Subcutaneous LD50 (rat): 45100 ug/kg;

Chronic Toxicological Effects: Sodium azide - Investigated as an agricultural chemical, drug, mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Sodium azide RTECS Number: VY8050000

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Section 3: Hazards Identification

Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant). Toxic if swallowed.

Label elements:

GHS Signal Word: None

GHS Precaution Phrases: No phrases apply.

GHS Response Phrases: No phrases apply.

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

Adverse Human Health Effects and Symptoms:

Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

Skin Contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion:

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Section 5: Fire and Explosion Data

Flammability of the Product: Not Flammable.

Auto-Ignition Temperature: No data

Flash Points: No data

Flammable Limits: No data

Products of Combustion: No data

Fire Hazards in Presence of Various Substances: No data

Explosion Hazards in Presence of Various Substances: No data

Fire Fighting Media and Instructions: No data

Special Remarks on Fire Hazards: No data

Special Remarks on Explosion Hazards: No data

Section 6: Accidental Release Measures

Small Spill:

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container

Large Spill:

Absorb with an inert dry material and place in an appropriate waste disposal container. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

Section 7: Handling and Storage

Handling:

Wear suitable protective clothing. If ingested, seek medical advice immediately and show the SDS. Avoid contact with skin and eyes.

Storage:

Store 4 - 25°C.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:

Splash goggles. Lab coat. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. NIOSH respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid. (Liquid.)

Odor: No data

Taste: No data

Color: Clear with haziness

pH: 8 (Basic)

Boiling Point: No data

Melting Point: No data

Critical Temperature: No data

Specific Gravity: No data

Vapor Pressure: No data

Vapor Density: No data

Volatility: No data

Odor Threshold: No data

Water/Oil Dist. Coeff.: No data

Ionicity (in Water): No data

Dispersion Properties: Soluble in water

Solubility: Soluble in cold water, hot water

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: No data

Corrosivity: No data

Special Remarks on Reactivity: No data

Special Remarks on Corrosivity: No data

Polymerization: Will not occur.

Section 10: Stability and Reactivity Data

Stability: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable at cool - normal conditions.

Instability Temperature: No data

Conditions of Instability: No data

Hazardous decomposition products: No data

Corrosivity: Non-corrosive

Special Remarks on Reactivity: No data

Special Remarks on Corrosivity: No data

Polymerization: Will not occur.

Section 11: Toxicological Information

Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied.

Sodium azide - Toxicity Data: Oral LD50 (rat): 27 mg/kg; Oral TDLO (woman): 3 mg/kg; Intraperitoneal LDLO (rat): 30 mg/kg; Subcutaneous LD50 (rat): 45100 ug/kg;

Chronic Toxicological Effects: Sodium azide - Investigated as an agricultural chemical, drug, mutagen, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information. Sodium azide RTECS Number: VY8050000

Section 12: Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

BOD5 and COD: No data

Products of Biodegradation: Hazardous short-term degradation products are not likely. However, long-term degradation products are unknown.

Toxicity of the Products of Biodegradation: No data

Special Remarks on the Products of Biodegradation: No data

Section 13: Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not dangerous goods

Identification:

Special Provisions for Transport: Transport in accordance with local, state and federal regulations

Section 15: Other Regulatory Information

This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.

Federal and State Regulations:

Other Regulations:

Other Classifications:

DSCL (EEC):

HMIS (U.S.A.):

Health Hazard: 0

Fire Hazard: 0

Reactivity: 0

Personal Protection:

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Respirator if conditions demand. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16: Other Information

References:

Other Special Considerations: Not available.

Created: 05/11/2021 4:00 PM

Last Updated:

This product is offered for research use only (RUO). The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Entopsis, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even Entopsis, Inc. has been advised of the possibility of such damages.