

SAFETY DATA SHEET

SDS # PBS05182015

Preparation Date: May 18, 2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Aqueous solution of amorphous titanium peroxy complex
Product Code:	PURETi Base™
Formula:	N/A - Mixture
Product Use:	Surface Coating

SUPPLIER INFORMATION:

Address:

PURETi Group LLC
44 W. 28th Street
New York, NY 10001

Phone Number: 1-855-5PURETI

Email Address: info@pureti.com

2. HAZARDS IDENTIFICATION

GHS/CLP CLASSIFICATION AND LABELING FOR PRODUCT:

CLP Status	Classification	Signal Word and Hazard Statements
Pictogram None	None Not classified	None

EU (per EEC Directive 1999/45/EEC):

Danger
Symbols: None
Phrases: None

OSHA REGULATORY STATUS:

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

HAZARD RATINGS:

Hazardous Materials Identification System (HMIS):

Degree of hazard (0 = low, 4 = extreme)

Health: 0 Flammability: 0 Reactivity: 0 Personal Protection: None

LABEL ELEMENTS:

EMERGENCY OVERVIEW

Not Classified

Appearance	Aqueous solution	Physical State	Liquid	Odor	odorless
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MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.
POTENTIAL ENVIRONMENTAL EFFECTS: None known.

Hazards not otherwise classified (HNOC) Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Wt%	Trade Secret
Water	7732-18-5	99.5 – 100	
Titanium Peroxy Complex	Proprietary	0.1 – 0.5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

PROCEDURES

Eye Contact: In case of contact, flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

Skin Contact: In case of skin irritation or allergic reactions, get medical attention.

Inhalation: If symptoms of lung irritation occur (coughing, wheezing or breathing difficulty), remove from exposure area to fresh air immediately. Get medical attention if condition persists.

Ingestion: If swallowed, immediately give person large amounts of water. Get medical attention. Induce vomiting only if instructed by a physician.

Note to Physicians: None known. Use general supportive care.

5. FIRE FIGHTING MEASURES

Unusual Fire and Explosion Hazards: None known.

Extinguishing Media: No restrictions. If there is fire close by, use media suitable for safely extinguishing other burning materials

Special Firefighting Procedures: Cool closed containers exposed to fire with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ensure adequate ventilation is provided. Prevent contact with skin and eyes.

Emergency Procedures: Avoid contact with skin and eyes.

Methods and Materials for Containment: Mop off spilled product and dispose according to good hygiene and safety practice.

Cleanup

Procedures: Refer to Section 13 for disposal considerations.

7. HANDLING AND STORAGE

Handling: Transport in original container in accordance with good industrial hygiene and safety practice and in well-ventilated areas. Avoid contact with eyes and skin. No eating, drinking or smoking in areas where this product is handled, stored or processed. Keep container tightly closed when not in use.

Storage: DO NOT FREEZE. Store at room temperature, protected from direct sunlight in a dry area. Keep container tightly closed and sealed until ready for use. Store in original packaging, plastic materials, stainless steel or glass. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Other Precautions: None known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General exhaust ventilation (GEV) sufficient to maintain air concentrations below occupational safety standards.

Eye/Face Protection: None required under normal use. If conditions exist that may result in prolonged direct exposure, wear safety glasses.

Skin Protection: None required under normal use. If conditions exist that may result in prolonged direct contact with skin, wear gloves and long sleeve clothes.

Respiratory Protection: None required under normal use. If conditions exist that may result in prolonged direct exposure and to concentrations higher than the applicable exposure limits, respiratory protection should be worn.

General Hygiene Considerations: Handle in accordance with good hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
<i>Appearance:</i>	Light yellow translucent	<i>Initial Boiling Point (°F):</i>	No data
<i>Odor:</i>	No data	<i>Boiling Range (°F):</i>	No data
<i>Odor Threshold:</i>	No data	<i>Melting/Freezing point (°F):</i>	No data
<i>Molecular Weight:</i>	N/A – Mixture	<i>Specific gravity (g/cc):</i>	~1.0
<i>Physical State:</i>	Liquid	<i>Viscosity (cps):</i>	No data
<i>pH:</i>	6.0-8.5	<i>Flash Point (°F):</i>	Does not Flash
<i>Vapor Pressure (mm Hg):</i>	No data	<i>Decomposition Temperature:</i>	No data
<i>Solubility in Water (20 °C):</i>	Miscible with water	<i>Flammability:</i>	Not flammable
<i>Volatiles, Percent by volume:</i>	No data	<i>Upper/Lower Flammability Limits:</i>	Not flammable
<i>Vapor Density (air = 1):</i>	No data	<i>Auto-ignition Temperature:</i>	Not flammable
<i>Evaporation Rate:</i>	No data	<i>Octanol/water partition coefficient:</i>	No data

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use. Stable at ambient temperature.

Reactivity: None known.

Conditions to Avoid:	Freezing conditions.
Materials to Avoid:	Substances that react with water and strong oxidizing agents.
Hazardous Decomposition Products:	None known.
Hazardous Polymerization:	Will not occur.
Hazardous Reaction Conditions:	None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known/supplied information
Inhalation	No data available
Eye contact	No data available
Skin contact	No data available
Ingestion	No data available

Information on toxicological effects

Symptoms	No information available
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No known effect based on information supplied
Serious eye damage/eye irritation	No known effect based on information supplied
Sensitization	No known effect based on information supplied
Germ Cell Mutagenicity	No known effect based on information supplied
Carcinogenicity	No known effect based on information supplied
Reproductive Toxicity	No known effect based on information supplied
STOT – single exposure	No known effect based on information supplied
STOT – repeated exposure	No known effect based on information supplied
Aspiration Hazard	No known effect based on information supplied

Numerical Measures of toxicity

Unknown acute toxicity	No information available
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12. ECOLOGICAL INFORMATION

Ecotoxicity Effects: None known
 Persistence and degradability: None known
 Bioaccumulative potential: Does not bioaccumulate
 Mobility: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of in accordance with local regulations. Discharging waste into rivers and drains is forbidden. Consult the manufacturer or supplier for information regarding recovery and recycling of the product.

Physical/chemical Properties that May Affect Disposal Activities: None known

Special Precautions for Landfills or Incineration Activities: Contaminated packages are not considered hazardous for disposal into sanitary landfill or industrial waste disposal landfill. Please review appropriate national and local waste regulations.

14. TRANSPORT INFORMATION

DOT:	Proper shipping name not regulated Class: None Packaging group: None
IMDG:	UN-Number: None Packaging group: None Proper shipping name not regulated Class: None
ICAO/IATA:	Class: None Packaging group: None Proper shipping name not regulated UN/ID No.: None

15. REGULATORY INFORMATION

Inventory Status: United States Toxic Substances Control Act Section 8(b) Inventory (TSCA)
 European Inventory of Existing Commercial Chemical Substances (EINECS)

CERCLA: Not listed
 CWA: Not listed
 CAA: Not listed
 RCRA: Not listed
 SARA 313: Not listed

SARA 312 Hazard Class: Health: Acute – No Chronic – No Fire: No Reactivity: No Release of Pressure: No

SARA 302 EHS List: Not listed

Compliance with federal, provincial/state, and local environmental regulations is the responsibility of the owner.

16. OTHER INFORMATION

PRECAUTIONARY STATEMENTS (GHS/CLP):

<u>Prevention</u>
None
<u>Response</u>
None
<u>Storage</u>
None
<u>Disposal</u>
None

PREPARED BY: PURETi Group

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