

# Safety Data Sheet for Water2buy Soft Tec Water Softener Resin Cleaner, Restores Resin- Water Taste Improving Resin Cleaner- Improves Water Taste - Facilitates Longer Softener Lifetime & Maintenance Cost

According to US OSHA, CMA, ANSI, Canadian WHMIS Standards,  
Australian Worksafe, Japanese Industrial Standard JIS Z 7250:2000  
and European Directives  
First Print Date: 08-23-2020  
Revision Date: 08-23-2020  
Version: 0



## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 PRODUCT IDENTIFIER:

**Commercial Product Name:** Water2buy Soft Tec Water Softener Resin Cleaner, Restores Resin- Water Taste Improving Resin Cleaner- Improves Water Taste- Facilitates Longer Softener Lifetime & Maintenance Cost

**Unique Product Code:** WST

**Trade Name:** Water2buy Soft Tec Water Softener Resin Cleaner, Restores Resin- Water Taste Improving Resin Cleaner- Improves Water Taste- Facilitates Longer Softener Lifetime & Maintenance Cost

**Chemical Composition/Product Form:** Mixture – Phosphoric Acid

**CAS No:** 7664-38-2

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCES OR MIXTURES AND USES ADVISED AGAINST:

**Intended use:** Soft tec water softener resin cleaner from water2buy will help restore the efficiency of the ion exchange resin thus facilitating better performance of the water softening unit

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

**Company Name:** Water2Buy Limited

**Company Address:** 1 The Business centre Northwest business park 3 Ballycoolin Dublin D15K138

**Business Telephone:** +35391762061

**Website:** -

**Email:** [sales@water2buy.com](mailto:sales@water2buy.com)

### 1.4 EMERGENCY TELEPHONE NUMBERS (24-HOUR EMERGENCY CONTACT):

**24-hour Emergency Contact:** +35391762061

## SECTION 2: HAZARDS IDENTIFICATION:

### 2.1 EMERGENCY OVERVIEW:

This SDS should be retained and available for employees and other users of this product. The toxicological properties of the mixture have not been fully investigated. This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Dangerous

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substance or mixture according to the Globally Harmonized System (GHS).

## 2.2 GHS-US LABELING AND CLASSIFICATION:

### Hazards Pictograms (GHS-US)



### Signal Word (GHS-US):

Danger

### Hazards Classification of Substance:

Skin Corrosion/Irritation **Category 1**

Serious Eye Damage/Eye Irritation **Category 1**

Corrosive to Metals **Category 1**

### Hazard Statements (GHS-US):

**H304:** May be fatal if swallowed and enters airways.

**H314:** Causes severe skin burns and eye damage.

**H315:** Causes skin irritation.

**H317:** May cause an allergic skin reaction.

**H319:** Causes serious eye irritation.

**H333:** May be harmful if inhaled

### Precautionary Statements (GHS-US):

**P261:** Avoid breathing dust, fume, gas, mist, vapors, and spray.

**P264:** Wash parts in contact thoroughly after handling.

**P272:** Contaminated work clothing should not be allowed out of the workplace.

**P273:** Avoid release to the environment.

**P280:** Wear protective gloves, protective clothing, eye protection, face protection.

### Response Phases (GHS-US):

**P301+P310 IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician.

**P302+P352 IF ON SKIN:** Wash with plenty of soap and water.

**P303+P361+P353:** IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

**P321:** Specific treatment.

**P331:** Do NOT induce vomiting.

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**P332+P313:** If skin irritation occurs - Get medical advice.

**P333:** If skin irritation or rash occurs - Get medical advice.

**P362:** Take off contaminated clothing and wash before reuse.

**P363:** Wash contaminated clothing before reuse.

## Storage Statements (GHS-US):

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

## Disposal Statements (GHS-US):

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

**P501:** Dispose of contents and/or container in accordance with local, regional, national and/or international regulation.

**Hazard(s) not otherwise classified (HNOC):** None

**Supplemental Information:** None

## 2.3 HEALTH HAZARDS OR RISKS FROM EXPOSURE:

### 2.3.1 SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:

The most significant routes of overexposure for this product are by contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

#### Acute:

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention and call a physician if symptoms develop or persist.

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

**Ingestion:** 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 if symptoms appear.

**Chronic:** Severe eye exposure may cause blindness. Severe ingestion may result in death. Severe inhalation may cause lung inflammation and pulmonary edema.

**Carcinogenic Effects:** Not Available

**Mutagenic Effects:** Not available

**Teratogenic Effects:** Not available

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**Developmental** Not available

**Toxicity:** Not available

**Adverse effects:** Not available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 TYPE OF PRODUCT:

Mixture

#### 3.2 INGREDIENTS:

CHEMICAL NAME	PRODUCT IDENTIFIER	COMPOSITION	GHS-US CLASIFICATION
PHOSPHORIC ACID	7664-38-2	3-7%	SKIN CORROSION/IRRITATION CATEGORY 1B SERIOUS EYE DAMAGE/EYE IRRITATION CATEGORY 1

### SECTION 4: FIRST-AID MEASURES

#### 4.1 DESCRIPTION OF FIRST AID MEASURES:

##### 4.1.1 FIRST AID MEASURES GENERAL:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

##### 4.1.2 IN CASE OF INHALATION:

Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing stops, give artificial respiration. In case of breathing difficulties administer oxygen by trained personnel. Seek medical attention immediately.

##### 4.1.2 IN CASE OF SKIN CONTACT:

Immediately flush skin with plenty of water for at least 15 minutes. Remove/take off immediately all contaminated clothing. Do not rub the skin and eyes after direct contact with the product. Seek medical attention immediately. Wash contaminated clothing before reuse.

##### 4.1.3 IN CASE OF EYE CONTACT:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing and immediately get medical attention.

##### 4.1.4 IN CASE OF INGESTION:

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If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Do not induce vomiting. Immediately call a POISON CENTRE or doctor/physician. If swallowed, rinse mouth with water (only if the person is conscious).

### 4.2 SYMPTOMS AND EFFECTS BOTH ACUTE AND DELAYED:

#### 4.2.1 SYMPTOMS/INJURIES:

Causes skin and eye irritations. Material may be irritating to the mucous membranes and upper respiratory tract.

#### 4.2.2 SYMPTOMS/INJURIES AFTER INHALATION:

May cause drowsiness or dizziness

#### 4.2.3 SYMPTOMS/INJURIES AFTER SKIN CONTACT:

May cause skin irritation and itching.

#### 4.2.4 SYMPTOMS/INJURIES AFTER EYE CONTACT:

Causes serious eye irritation.

#### 4.2.5 SYMPTOMS/INJURIES AFTER INGESTION:

May cause irritation of the linings of the mouth, throat and gastrointestinal tract. Ingestion may cause nausea, vomiting and diarrhea.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No additional information available

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 SUITABLE EXTINGUISHING MEDIA:

Use the following fire extinguishing media:

<b>Water Spray:</b>	NO
<b>Carbon Di Oxide:</b>	YES
<b>Alcohol Resistant Foam:</b>	YES
<b>Dry Chemical:</b>	YES

### 5.2 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

**Explosion Hazards:** No Information Available

**Specific Hazards Arising from the Chemical:**

In a fire or if heated, a pressure increase will occur and the container may burst. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Thermal decomposition can lead to

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release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Do not allow run-off from fire-fighting to enter drains or water courses.

## Hazardous Combustion Products:

Carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>), Phosphorus Oxides

## Reactivity:

Not Determined

## 5.3 ADVICE FOR FIRE FIGHTERS:

Firefighters should wear full firefighting turn-out gear (full Bunker gear) including **NIOSH** approved self-contained breathing apparatus (**SCBA**) with full face piece operated in the pressure demand or other positive pressure mode.

## Special protective equipment and precautions for firefighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighter's protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.

## Firefighting equipment/instructions:

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources.

## Specific methods:

Use water spray to cool unopened containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Keep unnecessary personnel away. Wear approved respiratory protection, chemically compatible gloves and protective clothing such as protective coveralls and shoe covers for spills. Avoid breathing vapors and provide adequate ventilation.

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### 6.2 ENVIRONMENTAL PRECAUTIONS:

Contain and collect spillage as per local regulations. Keep out of drinking water supplies, sewers, storm drains, surface waters, and soils.

### 6.3 SPILL AND LEAK RESPONSE:

#### Small Spills:

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local, state, and federal regulations.

#### Large Spills:

Stop leak if you can do so without risk. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Extinguish all sources of ignition. Wear self-contained breathing apparatus, chemical safety goggles and full protective clothing. Ventilate area. Use a shovel to put the material into a convenient waste disposal container. Sweep up or vacuum. Finish cleaning by spreading water on the contaminated surface and clean surface thoroughly to remove residual contamination. Collect in suitable container for disposal. For proper waste disposal, see section 13 of the SDS.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Use personal protective equipment as required. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 7.1.1 ADDITIONAL HAZARDS WHEN PROCESSED:

Handle empty containers with care since residual vapors may be present which are irritants in nature are.

#### 7.1.2 HYGIENE MEASURES:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

#### Technical Measures:

Ensure the ventilation system is regularly maintained and tested. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. A washing facility/water for eye and skin cleaning purposes should be present. Comply with applicable regulations.

#### Storage Conditions:

Keep container tightly closed. Protect containers against physical damage. Detached outside storage is preferable. Store in corrosion-proof area at temperatures below 77 degrees F (25 degrees C). Store away from direct sunlight or other heat sources. Use appropriate containment to avoid environmental contamination.

### 7.3 SPECIFIC END USE(S):

No additional information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 EXPOSURE PARAMETERS:

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH IDLH	OEL (TWA)
PHOSPHORIC AICD	3 mg/m3	1 mg/m3	3 mg/m3	NA

### 8.2 EXPOSURE CONTROLS:

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states(including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

#### Personal Protective Equipment:

avoid all unnecessary exposure. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. For certain operations, additional personal protection equipment



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(PPE) may be required i.e. Protective goggle, gloves, protective clothing.

### **Respiratory protection:**

Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE) or NIOSH approved respirator. Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals. Care must be taken to assure that any respirator chosen is capable of protecting the user from both ammonia and ethyl alcohol vapors.

### **Eye Protection:**

Safety glasses or goggles are recommended.

If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

### **Hand Protection:**

Chemical resistant gloves are recommended to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

### **Body Protection:**

Use body protect appropriate to task being performed.

If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:**

**Appearance (Physical State and Color):** Liquid, Clear

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<b>Odor:</b>	Characteristics
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	2.5 (1%)
<b>Melting/Freezing Point:</b>	Not Available
<b>Boiling Point:</b>	Not Available
<b>Flash Point:</b>	Not Available
<b>Evaporation Rate:</b>	Not Available
<b>Flammability (Solid; Gas):</b>	Not Available
<b>Upper/Lower Flammability or Explosion Limits:</b>	Not Available
<b>Vapor Pressure (mm Hg @ 25°C (77° F):</b>	Not Available
<b>Vapor Density:</b>	Not Available
<b>Relative Density:</b>	Not Available
<b>Density:</b>	Not Available
<b>Specific Gravity:</b>	1.08 to 1.1
<b>Solubility in Water:</b>	Soluble
<b>Weight per Gallon:</b>	Not Available
<b>Partition Coefficient (n-octanol/water):</b>	Not Available
<b>Auto-Ignition Temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity:</b>	Not Available

### 9.2 OTHER INFORMATION

No additional information is available at this time

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	Product is stable under normal conditions, No dangerous reaction known under conditions of normal use
<b>Chemical Stability:</b>	Stable
<b>Possibility of Hazardous Reactions:</b>	No dangerous reaction known under conditions of normal use
<b>Conditions to Avoid:</b>	Avoid direct sunlight, extremely high or low temperatures and open flames.
<b>Incompatible Materials:</b>	Avoid mixing with acids, most common metals, and strong oxidizing agents.

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**Hazardous Decomposition Products:** Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Oxides of Nitrogen

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

COMPONENT NAME	CAS NO.	LD50 ORAL	LD50 DERMAL	LC INHALATION 50
PHOSPHORIC ACID	7664-38-2	1530 mg/kg (RAT)	2740 mg/kg	NA

**Skin corrosion/irritation:** Causes skin irritation

**Serious eye damage/irritation:** Causes serious eye damage

**Respiratory or skin sensitization:** Respiratory sensitizer (based on available data, the classification criteria are not met)

**Germ cell mutagenicity:** Not classified (based on available data, the classification criteria are not met)

**Carcinogenicity:** Non-Carcinogenic

**Reproductive Toxicity:** Not classified (based on available data, the classification criteria are not met)

**Specific target organ toxicity (single exposure):** Not classified (based on available data, the classification criteria are not met)

**Specific target organ toxicity (repeated exposure):** Not classified (based on available data, the classification criteria are not met)

**Aspiration Hazards:** Not classified (based on available data, the classification criteria are not met)

**Potential adverse human health effects and symptoms:** Based on available data, the classification criteria are not met.

**Symptoms/injuries after inhalation:** May cause irritation by inhalation. Prolonged and repeated inhalation of decomposition products may cause a pulmonary edema. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of Coordination. Irritating to the respiratory system, may cause throat pain and cough. Difficulty in breathing.

**Symptoms/injuries after skin contact:** May cause irritation and itching.

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**Symptoms/injuries after eye contact:**

May cause eye irritation.

**Symptoms/injuries after ingestion:**

May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Ingestion may cause nausea, vomiting and diarrhea.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 TOXICITY

COMPONENT	FRESHWATER ALGAE	FRESHWATER FISH	MICROTOX	WATER FLEA
PHOSPHORIC ACID	4.6 mg/l, 12 hours	3-3.5 mg/l, 96 hours	NA	NA

#### 12.2 PERSISTENCE AND DEGRADIBILITY:

Not established.

#### 12.3 BIO ACCUMULATIVE POTENTIAL:

The product itself and its products of degradation are not toxic

#### 12.4 MOBILITY IN SOIL:

No specific data available on this product.

#### 12.5 RESULTS OF PBT AND vPvB ASSESSMENT:

No specific data available on this product.

#### 12.6 OTHER ADVERSE EFFECTS:

Avoid release to the environment.

#### 12.7 WATER ENDANGERMENT CLASS:

At present, there are no eco-toxicological assessments for this product.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste Disposal Recommendations:

Dispose in a safe manner in accordance with local/national regulations. Do not re-use empty containers. Ensure all national/local regulations are observed. Consult the appropriate authorities about waste disposal.

#### Additional Information:

Handle empty containers with care because residual vapors are irritants.

#### Ecology – Waste Materials:

Avoid release to the environment.

### SECTION 14: TRANSPORT INFORMATION

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### 14.1 U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:

This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows;

<b>UN Identification Number:</b>	UN 1805
<b>Proper Shipping Name:</b>	Phosphoric acid solutions
<b>Hazard Class Number and Description:</b>	8
<b>Packing Group:</b>	III
<b>DOT Label(s) Required:</b>	None
<b>North American Emergency Response</b>	None
<b>Guidebook Number:</b>	None
<b>RQ Quantity:</b>	None

### 14.2 ENVIRONMENTAL HAZARDS:

<b>Marine Pollutant:</b>	The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).
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<b>14.3 SPECIAL PRECAUTION FOR USER:</b>	None
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### 14.4 INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA) AND ICAO:

This product is considered as dangerous good.

### 14.5 INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO):

This product is considered as dangerous good.

### 14.6 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE:

#### European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR):

This product is considered by the United Nations Economic Commission for Europe to be dangerous goods

## SECTION 15: REGULATORY INFORMATION

COUNTRY	INVENTORY LIST	STATUS
UNITED STATES	TSCA	All ingredients are listed or otherwise compliant
EUROPE	EINECS or ELINCS	All ingredients are listed or otherwise compliant
CANADA	CEPA (DSL/NDL)	All ingredients are listed or otherwise compliant
AUSTRALIA	AICS	All ingredients are listed or otherwise compliant
JAPAN	ENCS	All ingredients are listed or otherwise compliant
SOUTH KOREA	KECI	All ingredients are listed or otherwise compliant

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<b>CHINA</b>	IECSC	All ingredients are listed or otherwise compliant
<b>PHILIPPINES</b>	PICCS	All ingredients are listed or otherwise compliant

**US EPA TSCA Requirements:** No data available  
**Canada WHMIS Confidential Business Information (CBI):** No data available  
**US EPA SARA TITLE III Reporting and Notification Requirements:**  
**Subject to Section 302 (TPQ):** No data available  
**Subject to Section 304 (RQ):** No data available  
**Subject to Section 311 or 312:** Refer to the health and physical classifications in section 2  
**Subject to Section 313:** No data available  
**STATE REGULATORY INFORMATION:** Chemicals listed below may be specifically regulated by individual states. For details on state regulatory requirements you should contact the appropriate state agency.

### SECTION 16: OTHER INFORMATION

**Prepared By:** Syed Muhammad Shamuel Shees (CSP, CMIOSH, MIIRSM, PE)  
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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary.

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