

# SAFETY DATA SHEET



## 1. IDENTIFICATION

### Product identifier

Product Name                      Acecide-C Solution 1

### Recommended use of the chemical and restrictions on use

Recommended use                      Peracetic Acid

### **Distributor Address**

Best Sanitizers, Inc.  
PO Box 1360  
Penn Valley, CA 95946

### Emergency telephone number

Emergency Phone Numbers                      1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### **Signal word**

#### Hazard statements

Can cause eye irritation. Category 1

Can cause skin irritation. Category 1

**Appearance**    Aqueous solution

**Physical State**    Liquid

**Odor**    Vinegar odor



**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapor/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat/open flames/hot surfaces-No smoking.

**Precautionary Statements - Response**

IF ON SKIN (or hair): Remove/Takeoff immediately all contaminated clothing. Rinse skin with water shower. If skin irritation persists: Get medical attention. Wash all contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell. Specific treatment (see Section 4).

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool.

**Precautionary Statements - Disposal**

See section 13

**Hazard not otherwise classified (HNOC)**

Not Applicable

Other information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Water	7732-18-5	<54
Acetic Acid	64-19-7	25-35
Peracetic Acid	79-21-0	<9
Hydrogen Peroxide	7722-84-1	<9

### 4. FIRST AID MEASURES

**First aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Get medical advice/attention.

**Skin Contact**

Wash affected area with soap and water. Remove all contaminated clothing and wash before reuse. For severe burns, immediate medical attention is required.

**Inhalation**

Move to fresh air. Administer oxygen. If breathing problems develop, call a doctor.

**Ingestion**

Rinse mouth thoroughly. Do NOT induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

See section 11 for symptoms information.

**Indication of any immediate medical attention and special treatment needed**

If seeking medical attention, provide SDS document to physician. Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Dry chemical. Water spray (fog), Foam.

**Specific Hazards Arising from the Chemical**

Solution does not burn. In the event of fire, product may decompose yielding oxygen. Risk of over pressure and burst due to decomposition in confined spaces. Release of oxygen may support combustion.

**Unsuitable extinguishing media**

None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after the fire is out. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. Keep unprotected persons away

**Environmental precautions****Environmental Precautions**

Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13).

**Methods for Cleaning Up**

Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Wash hands after handling. Avoid contact with skin, eyes and clothing. Use personal protection recommended in Section 8. Do not manually open container.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions/  
Incompatible materials** For use in Olympus OER equipment. Any non-intended or non-authorized use of this product may result in severe personal injury or damaged to equipment. Do not manually open container. Do not open machine while in use. Do not eat drink or smoke when using this product. Use personal protection recommended in section 8. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good hygiene and safety practice.

Keep Containers tightly closed in dry, cool and well-ventilated place. Keep from freezing. Keep away from direct sunlight and incompatible materials. Store between 0° to 25°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### Control parameters

7722-84-1, Hydrogen Peroxide, 1 ppm 1.4 mg/m<sup>3</sup>(TWA).  
64-19-7, Acetic Acid, 10 ppm 25 mg/m<sup>3</sup>(TWA)  
15 ppm 37 mg/m<sup>3</sup> (STEL)

#### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Splash proof chemical goggles and face shield.

**Skin and Body Protection** Wear protective gloves. Normal work clothing (long sleeved shirt and long pants) is recommended. Apron recommended.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Immediately remove all soiled and contaminated clothing. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product. Do not inhale gases/fumes/dust/mist/vapors/aerosols. Avoid contact with the eyes and skin.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

Physical State	Liquid	Odor	Vinegar Smell
Appearance	Aqueous solution	Odor Threshold	No information available
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	<1 (undiluted)	+/- 1 @ 21C
Melting/freezing point	No information available	None known
Boiling point / boiling range	No information available	None known
Flash Point	Not Applicable	None known
Evaporation rate	No information available	None known
Flammability (solid, gas)	No information available	None known
Flammability Limits in Air		
Upper flammability limit	No information available	None known
Lower flammability limit	No information available	None known
Vapor pressure	22mm Hg @ 25C	None known
Vapor density	No information available	None known
Specific Gravity	1.1 g/cc	None known
Water Solubility	Soluble in water	None known
Partition coefficient:	No data available	None known
Autoignition temperature	No information available	None known
Decomposition temperature	No information available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

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## 10. STABILITY AND REACTIVITY

### **Chemical stability**

Decompose on heating and over time.

### **Possibility of Hazardous Reactions**

Degrades giving off acetic acid and oxygen.

### **Conditions to avoid**

Avoid high temperatures. Open flames, elevated temperatures, any source of heat. Protect against physical damage.

### **Incompatible materials**

Dirt, alkali, organics, leather and all metals except stainless steel.

### **Hazardous Decomposition Products**

Oxygen produced on decomposition.

## 11. TOXICOLOGICAL INFORMATION

### **Information on toxilological effects**

#### **Product Information**

<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation to the mucous membranes.
<b>Skin contact</b>	Causes irritation redness possible burning on contact with skin.
<b>Eye contact</b>	Causes irritation pain and reddening will occur. Severe damage may result if not treated immediately.
<b>Ingestion</b>	May cause irritation and tissue damage to the mucous membranes.

79-21-0, Paracetic acid, 210 mg/kg (mouse)  
7722-84-1, Hydrogen peroxide, 1518 mg/kg (rat)  
64-19-7, Acetic acid, 3310 mg/kg (rat)

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

No information available.

### **Persistence and Degradability**

No information available.

### **Bioaccumulation**

No information available.

### **Mobility**

No information available.

### **Other adverse effects**

None.

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### 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Disposal of wastes. Disposal should be in accordance with applicable regional, national, and local laws and regulations. Before disposal, check to see if the wastewater conforms to local, federal, state, and national standards (for pH, BOD, COD and other measures). Check with your local Publicly Owned Treatment Works (POTW) to determine if peracetic acid solutions like Acecide-C Use Solution can be disposed of in the sanitary sewer system. Some POTWs may prohibit the disposal of peracetic acid solutions in the sanitary sewer or may require dilution with copious amounts of water and/or neutralization prior to disposal. In most cases, Acecide-C Use Solution can dispose of direct to drain but there may exceptions.

1. Before disposal, mix Acecide-C solution 1 with Acecide-C solution 2 and sufficiently dilute with copious amounts of water.
2. Mix with Alkaline chemicals to neutralize and degrade hydrogen peroxide and peracetic acid.
3. Add a reducing agent such as sodium Thiosulfate (pentahydrate) to degrade hydrogen and peracetic acid.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

#### DOT

**UN/ID/NA number:** UN 3265

**Proper shipping name:** Corrosive liquid, acidic, organic, n.o.s.  
(acetic acid, peracetic acid, hydrogen peroxide)  
Not regulated as an organic peroxide

**Class:** 8-Corrosive

**Packing group:** II

**Special precautions for users:** Keep out of direct sunlight, Keep from freezing, Cleaning compounds. Approval for motor vehicle transport only.

**Hazchem code:** Not available.

Classified as Dangerous Goods by the criteria of European Transportation Law, including the following regulations: ADR, RID, ADN, IMDG and ICAO/IATA.

#### **International Shipments UN**

**Number:** 3109

**UN Proper Shipping Name:** Organic Peroxide Type F liquid (Peroxyacetic Acid Type F liquid Stabilized)  
5.2 Organic Peroxide, Sub 8-Corrosive



**SADT:** 110°C

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Does not Comply

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **CWA (Clean Water Act)**

This product does not contain any substance regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied does not contain any substance regulated as hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) or the Superfund Amendments and Regulation Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local regional or state level pertaining to releases of this material.

### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.  
US States Right to Know Regulations

#### **U.S. EPA Label Information**

**EPA Pesticide Registration Number:** Not Applicable

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## 16. OTHER INFORMATION

<b>HMIS</b>	<b>Health Hazard 4</b>	<b>Flammability 0</b>	<b>Physical and Hazards 2</b>	<b>Personal protection C (safety glasses, gloves, synthetic apron)</b>
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			-	

<b>Prepared By</b>	<b>Preparation/Revision Date</b> Technical Department
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March 2023

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<b>Revision Note</b>	Annual Review
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### General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

# SAFETY DATA SHEET



## 1. IDENTIFICATION

### Product identifier

**Product Name** Acecide-C Solution 2

### Recommended use of the chemical and restrictions on use

**Recommended use** Buffer Solution

### **Distributor Address**

**Best Sanitizers, Inc.**

PO Box 1360

Penn Valley, CA 95946

### Emergency telephone number

**Emergency Phone Numbers** 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### **Signal word**

**Hazard statements**

Can cause eye irritation.

Can cause skin irritation.

**Appearance** Aqueous solution

**Physical State** Liquid

**Odor** Mild odor

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. Keep away from heat/open flames/hot surfaces-No smoking.

**Precautionary Statements - Response**

IF ON SKIN: Not expected to be irritating, Sensitizing, photo allergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Precautionary Statements - Storage**

Store in dry area at normal temperatures.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Hazard not otherwise classified (HNOC)**

Not Applicable

Other information

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Potassium Nitrate	7757-79-1	<9
Tetrasodium etidronate	3794-83-0	<5
Trisodium phosphate	7601-54-9	<5

### 4. FIRST AID MEASURES

**First aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Get medical advice/attention.

**Skin Contact**

None anticipated under foreseeable use conditions. Prolonged or repeated skin contact with this product may cause irritation to sensitive individuals, Get medical attention if irritation develops.

**Inhalation**

None anticipated under foreseeable use conditions.

**Ingestion**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call physician.

**Most important symptoms and effects, both acute and delayed**

See section 11 for symptoms information.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water spray (fog), Carbon Dioxide (CO2) Foam.

**Specific Hazards Arising from the Chemical**

Solution does not burn. In the event of fire, toxic and/or irritating fumes including carbon dioxide may be emitted.

**Unsuitable extinguishing media**

None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after the fire is out.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. Keep unprotected persons away.

**Environmental precautions**

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13).

**Methods for Cleaning Up** Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Handling

Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment. Use personal protection recommended in Section 8. Do not manually open container. Do not open machine while in use.

Note: Once the Acecide-C Solutions are mixed in OER machine the resulting solution should be handled in accordance with the Acecide-C Solution 1 SDS

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions/ Incompatible materials

Keep Containers tightly closed in dry, cool and well-ventilated place. Keep from freezing. Keep away from direct sunlight and incompatible materials. Store between 0° to 25°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### Control parameters

None

#### Appropriate engineering controls

#### Engineering Measures

Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

#### Eye/Face Protection

Wear safety glasses with side shields (or goggles).

#### Skin and Body Protection

Wear protective gloves. Normal work clothing (long sleeved shirt and long pants) is recommended.

#### Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

#### Hygiene Measures

Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

Physical State	Liquid	Odor	Mild odor
Appearance	Aqueous solution	Odor Threshold	No information available
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	8.7-9.7	21C
Melting/freezing point	No information available	None known
Boiling point / boiling range	No information available	None known
Flash Point	Not Applicable	None known
Evaporation rate	No information available	None known
Flammability (solid, gas)	No information available	None known
Flammability Limits in Air		
Upper flammability limit	No information available	None known
Lower flammability limit	No information available	None known
Vapor pressure	No information available	None known
Vapor density	No information available	None known
Specific Gravity	1.1 g/cc	None known
Water Solubility	Soluble in water	None known
Partition coefficient:	No data available	None known
Autoignition temperature	No information available	None known
Decomposition temperature	No information available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

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## 10. STABILITY AND REACTIVITY

### **Chemical stability**

No decomposition if used and stored according to specifications.

### **Possibility of Hazardous Reactions**

None under normal processing.

### **Conditions to avoid**

Avoid high temperatures. (Store between 0C and 25C)

### **Incompatible materials**

None known. Do not mix with other chemicals.

### **Hazardous Decomposition Products**

None known.

## 11. TOXICOLOGICAL INFORMATION

### **Information on toxilological effects**

#### **Product Information**

<b>Inhalation</b>	Inhalation of vapors may cause irritation.
<b>Skin contact</b>	May cause irritation.
<b>Eye contact</b>	May cause irritation reddening.
<b>Ingestion</b>	None expected under foreseeable conditions.

7757-79-1, Potassium nitrate, 3015 mg/kg (rabbit)

3794-83-0, Tetrasodium etidonate, >2000 mg/kg (rat)

7601-54-9, Trisodium phosphate, 1700 mg/kg (rat) 2380 mg/kg (mouse) 2500 mg/kg (rabbit)

## 12. ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the address listed in Section 1 upon request.

### **Persistence and Degradability**

No information available.

### **Bioaccumulation**

No information available.

### **Mobility**

No information available.

### **Other adverse effects**

None.

## 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Disposal of wastes. Disposal should be in accordance with applicable regional, national, and local laws and regulations

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## 14. TRANSPORT INFORMATION

### DOT

N/A

### IATA

N/A

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA** Complies

**DSL/NDSL** Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **CWA (Clean Water Act)**

This product does not contain any substance regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied does not contain any substance regulated as hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) or the Superfund Amendments and Regulation Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local regional or state level pertaining to releases of this material.

### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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## 16. OTHER INFORMATION

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<b>HMIS</b>	<b>Health Hazard 1</b>	<b>Flammability 0</b>	<b>Instability 0</b>	<b>Physical and Chemical Hazards 0</b>
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**Prepared By**

**Preparation/Revision Date**  
Technical Department

January 2023

**Version**

4

**Revision Note**

Annual Review

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**End of Safety Data Sheet**

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