

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

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

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/m³(TWA).
64-19-7, Acetic Acid, 10 ppm 25 mg/m³(TWA)
15 ppm 37 mg/m³ (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.

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 |

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 toxicological effects

Product Information

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

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, ADNR, 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

| | |
|----------------------|-----------------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | 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
