MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION

Aceicide®-C Solution 2

Recommended Use: For high-level disinfection and/or sterilization of medical instruments

BEST SANITIZERS, INC.

P.O. Box 1360
Penn Valley, CA 95946
(888) 225-3267

BEST SANITIZERS, INC.

310 Providence Mine Rd. Suite 120
Nevada City, CA 95959
(888) 225-3267

CHEMTREC Toll-free 24 hour Emergency Telephone Number: (800) 424-9300

LEGEND

HMIS/NFPA Health Flammability Physical Hazard Personal Protection
DANGER / / / X
Severe 4 0
Serious 3 0
Moderate 2 0
Slight 1 0
Minimal 0 0

Section 2: HAZARDS

Emergency Overview

DANGER
HARMFUL IF SWALLOWED
Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses) and rubber gloves when handling. Wash hands thoroughly with soap and water after handling.
Do not use with devices containing silver, copper, or brass.
Keep out of reach of children.

Potential short-term health effects

Routes of exposure
Eye, Skin contact, Inhalation, Ingestion

Eyes
May cause irritation

Skin
May cause irritation

Inhalation
Excessive inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion
Ingestion is unlikely through the normal anticipated use of this product.
May cause stomach distress, nausea or vomiting.

Target organs
Eyes. Respiratory system. Skin.

Chronic effects
Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms
Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Section 3: COMPOSITION INFORMATION

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No</th>
<th>EC No</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>&lt; 86%</td>
</tr>
<tr>
<td>Potassium nitrate</td>
<td>7757-79-1</td>
<td>231-818-8</td>
<td>&lt; 9%</td>
</tr>
<tr>
<td>Tetrasodium etidronate</td>
<td>3794-83-0</td>
<td>223-267-7</td>
<td>&lt; 5%</td>
</tr>
<tr>
<td>Trisodium phosphate</td>
<td>7601-54-9</td>
<td>231-509-8</td>
<td>&lt; 5%</td>
</tr>
</tbody>
</table>

Note: Once the Aceicide-C Solutions are mixed, the resulting solution should be handled in accordance with the Aceicide-C Solution 1 Material Safety Data Sheet.
Section 4: FIRST AID

Eye (Contact)  
Hold eyelids apart and flush the eye continuously with running water.

Skin (Contact)  
Remove contaminated clothing and flush skin and hair with running water.

Inhalation (Breathing)  
Not volatile at room temperatures.

Ingestion (Swallowing)  
DO NOT induce vomiting. For advice, contact a doctor.

Advice to Doctor  
Treat symptomatically for neutral detergent.

First Aid Facilities  
Ensure an eye wash and safety shower are available and ready for use.

Additional Information  
No aggravated medical conditions are known to be caused by exposure to the product.

Section 5: FIREFIGHTING MEASURE

Suitable Extinguishing Media  
Product does not burn. Use dry chemical powder, foam, water spray or fog type extinguishers.

Hazards From Combustion Products  
Toxic and/or irritating fumes including carbon monoxide and carbon dioxide may be emitted.

Precautions For Fire Fighters and Special Protective Equipment  
Keep containers cool by spraying with water.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills / Clean up  
For small volumes (approximately less than 1L) - Personal protective equipment should be worn when cleaning up spills. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water.

In the unlikely event of breach of multiple containers, contain spill with absorbent material, such as sand, vermiculite or other inert material. Prevent spill entering sewers or waterways. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling  
Product is intended for the high-level disinfection and sterilization of medical instruments. Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment. Do not manually open container. When used in an automatic endoscope reprocessor, do not open machine while in use.

Note: Once the Acecide-C Solutions are mixed, the resulting solution should be handled in accordance with the Acecide-C Solution 1 Material Safety Data Sheet.

Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.

Conditions for Safe Storage  
Store in a cool, dry, well ventilated area away from direct sunlight. Keep container tightly sealed. Store between 0°C and 25°C.
Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No</th>
<th>ES-TWA</th>
<th>ES-STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Biological Limit Values

Not available.

Engineering Controls

Not normally required.

Personal Protective Equipment

- Eye/face protection – Wear safety glasses to prevent eye contact.
- Skin protection – Use rubber gloves to prevent skin contact.
- Respiratory protection – Respirator is not usually necessary but if product is irritating use a respirator suitable for organic vapours.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Clear colourless liquid

**Boiling Point** Not available

**Odour** Characteristic

**Freezing Point** Not available

**pH** 8.7 – 9.7

**Solubility** Soluble in water.

**Specific Gravity** 1.1

**Flash Point** Not Applicable.

**Vapour Pressure** Not Available.

**Upper and Lower Flammability limits (in air)** Not Applicable.

**Vapour Density** Not Available.

**Ignition Temperature** Not Applicable.

Section 10: STABILITY AND REACTIVITY

**Chemical Stability**

Stable under normal ambient storage conditions.

**Conditions to avoid**

Avoid high temperatures (store between 0°C and 25°C).

**Incompatible materials**

None known.

**Hazardous decomposition products**

None known.

**Hazardous reactions**

None known.

Section 11: TOXICOLOGICAL INFORMATION

**HEALTH EFFECTS**

**Acute**

- Swallowed: Considered an unlikely route of entry in commercial / industrial environments. May be irritating to gastro-intestinal tract.

- Eye: May cause irritation and reddening.

- Skin: May cause irritation.

- Inhaled: Inhalation of mist may cause irritation.
Chronic
Swallowed  No effects known.
Eye       No effects known.
Skin      No effects known.
Inhalation  No effects known.

TOXICITY DATA
Potassium nitrate  $LD_{50}$  3015mg/kg (oral, rabbit)
Tetrasodium etidronate  $LD_{50}$  >2000mg/kg (rat)
Trisodium phosphate  $LD_{50}$  1700mg/kg (oral, rat)
               $LD_{50}$  2380mg/kg (oral, mouse)
               $LD_{50}$  2500mg/kg (oral, rabbit)

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity  Not available.
Persistence and degradability  Not available.
Mobility      Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal method  Before disposal, check to see if the wastewater conforms to the local, federal, state and national standards (for pH, BOD, COD and other measures). In most cases, disposal of solution to sewer after use is acceptable. Rinse empty containers thoroughly before recycling or disposing to an authorised landfill.
For bulk disposal refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor.

Special precautions  Suitable for incineration by approved agent.

Section 14: TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the of the European Transportation Law, including the following regulations: ADR, RID, ADNR, IMDG and ICAO/IATA.

UN Number  Not applicable.
UN Proper Shipping Name  Not applicable.
Class and subsidiary risk  Not applicable.
Packing Group  Not applicable.
Special precautions for user  Not applicable.
Hazchem Code  Not applicable.

Section 15: REGULATORY INFORMATION

Not classified as hazardous by the criteria of EG directive 67/548/EEC.

Section 16: OTHER INFORMATION

Note: Once the Acecide-C Solutions are mixed, the resulting solution should be handled in accordance with the Acecide-C Solution 1 Material Safety Data Sheet.