### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Identifier**
Product Name: SAN-TEC 3

**Other means of identification**
Item#: 4403
Synonyms: None

**Recommended use of the chemical and restrictions on use**
Recommended use: Sanitizer, Restricted to professional users
Uses advised against: All other

**Manufacturer Address**
Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

**Emergency telephone number**
Chemtrec 1-800-424-9300

### 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity - Dermal</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 4</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Corrosive to metals</td>
<td>Category 1</td>
</tr>
<tr>
<td>Organic peroxides</td>
<td>Type G</td>
</tr>
<tr>
<td>Oxidizing liquids</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

**Label Elements**

**Emergency Overview**

**DANGER**

**Hazard Statements**
- Harmful in contact with skin
- Causes severe skin burns and eye damage
- May cause respiratory irritation
- May be corrosive to metals
- May intensify fire; oxidizer
Precautionary Statements - Prevention
Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces, — No smoking
Keep/Store away from clothing/ combustible materials
Take any precaution to avoid mixing with combustibles
Keep only in original container

Precautionary Statements - Response
Specific treatment (see First Aid on this label)
Immediately call a POISON CENTER or doctor/physician

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 doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

In case of fire: Use CO2, dry chemical, or foam for extinction. Absorb spillage to prevent material damage.

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed
Store in corrosive resistant container with a resistant inner liner

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>6</td>
</tr>
<tr>
<td>Acetic acid</td>
<td>64-19-7</td>
<td>20 - 30</td>
</tr>
<tr>
<td>Peracetic acid</td>
<td>79-21-0</td>
<td>5.2</td>
</tr>
<tr>
<td>Methane sulfonic acid</td>
<td>75-75-2</td>
<td>10 - 20</td>
</tr>
</tbody>
</table>

If a concentration range is shown, the exact concentration has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures
Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and
continue flushing for at least 15 minutes. Call a physician immediately.

**Skin contact**
Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Consult a physician.

**Inhalation**
Move to fresh air. Give oxygen or artificial respiration if needed. If symptoms persist, call a physician.

**Ingestion**
Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**
The product causes burns of eyes, skin and mucous membranes. Irritating to respiratory system. Oxidizing agent. Contact with combustible material may cause fire.

**Indication of any immediate medical attention and special treatment needed**
Treat symptomatically.

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## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water. Carbon dioxide (CO2). Foam.

**Unsuitable Extinguishing Media**
dry chemical.

**Specific hazards arising from the chemical**
Decomposition will release oxygen which may increase the intensity of a fire. The product causes burns of eyes, skin and mucous membranes.

**Sensitivity to static discharge**
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.

**NFPA**

<table>
<thead>
<tr>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

---

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
Avoid contact with the skin and the eyes. In case of insufficient ventilation, wear suitable respiratory equipment. For personal protection see section 8.

**Environmental Precautions**
Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**
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). DO NOT use combustible materials such as sawdust. Drying of this product on clothing or combustible materials may cause fire. After cleaning, flush away traces with water.

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## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Handling**
Keep away from clothing and other combustible materials. Wear personal protective equipment. Ensure adequate ventilation.
Conditions for safe storage, including any incompatibilities

Storage
Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a receptacle equipped with a vent. Store in upright position only. Keep away from direct sunlight. Do not store near combustible materials. Do not store on wooden pallets. Store at temperatures not exceeding 30°C/ 86°F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in corrosive resistant container with a resistant inner liner.

Incompatible Materials
dirt, combustible material, organic materials, reducing agents, bases, light metals (e.g. aluminum, copper, brass, zinc galvanized)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>TWA: 1 ppm</td>
<td>TWA: 1 ppm</td>
<td>75 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 1.4 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid</td>
<td>TWA: 10 ppm</td>
<td>TWA: 10 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>64-19-7</td>
<td>STEL: 15 ppm</td>
<td>TWA: 25 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Peracetic acid</td>
<td>STEL: 0.4 ppm</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>79-21-0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Controls
Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection
Goggles. Face-shield.

Skin and body protection
Wear protective gloves and protective clothing.

Respiratory Protection
In case of inadequate ventilation wear respiratory protection.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td>Odor Pungent</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear Colorless</td>
<td>Odor Threshold</td>
</tr>
<tr>
<td>pH</td>
<td>2 (1%)</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
May react with other chemicals. Do not mix with other chemicals except as directed on label.

Chemical Stability
Stable under normal conditions.

Possibility of hazardous reactions
None known.

Conditions to Avoid
Extremes of temperature and direct sunlight. Protect from contamination.

Incompatible Materials
dirt, combustible material, organic materials, reducing agents, bases, light metals (e.g. aluminum, copper, brass, zinc galvanized)

Hazardous decomposition products
Decomposition will release oxygen which may increase the intensity of a fire.

11. TOXICOLOGICAL INFORMATION

Principal Routes of Exposure
Eye contact, Skin contact, Ingestion, Inhalation

Information on likely routes of exposure
Eyes Corrosive to the eyes and may cause severe damage including blindness.
Skin Causes burns.
Ingestion Ingestion causes burns of the upper digestive and respiratory tracts.
Inhalation May cause irritation of respiratory tract.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization
Product is not identified as a sensitizer according to OSHA regulations.

Mutagenic effects
Product is not identified as a mutagen according to OSHA regulations.

Carcinogenicity
The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>A3</td>
<td>Group 3</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>7722-84-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Confirmed animal carcinogen with unknown relevance to humans
IARC (International Agency for Research on Cancer)
Group 3 - Not classifiable

Reproductive Effects
Product is not identified as having reproductive effects according to OSHA regulations.

STOT - single exposure
Irritating to respiratory system. Product is not identified as having single target organ toxicity (single exposure) according to OSHA regulations.
STOT - repeated exposure
Product is not identified as having single target organ toxicity (repeated exposure) according to OSHA regulations.

Aspiration Hazard
Product is not identified as an aspiration hazard according to OSHA regulations.

Numerical measures of toxicity
If available, toxicity values of individual components are shown below.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide 7722-84-1</td>
<td>801 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit)</td>
<td>2 g/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>Acetic acid 64-19-7</td>
<td>3310 mg/kg (Rat)</td>
<td>1060 mg/kg (Rabbit)</td>
<td>11.4 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Peracetic acid 79-21-0</td>
<td>9-203 mg/kg (Rat)</td>
<td>12000 mg/kg (Rat)</td>
<td>76 -&gt; 241 mg/l (rat)</td>
</tr>
<tr>
<td>Methane sulfonic acid 75-75-2</td>
<td>380 mg/kg (Rat)</td>
<td>200 mg/kg (Rat)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

0% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity
If available, ecotoxicity values of individual components are shown below.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Microtox</th>
<th>Waterflea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide 7722-84-1</td>
<td>2.5: 72 h Chlorella vulgaris mg/L EC50</td>
<td>16.4: 96 h Pimephales promelas mg/L LC50</td>
<td>No data available</td>
<td>18 - 32: 48 h Daphnia magna mg/L EC50 Static 7.7: 24 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Acetic acid 64-19-7</td>
<td>&gt; 300 mg/l</td>
<td>&gt; 300 mg/l</td>
<td>EC50 = 8.8 mg/L 15 min</td>
<td>EC50 = 0.18-1.0 mg/l (48h)</td>
</tr>
<tr>
<td>Peracetic acid 79-21-0</td>
<td>EC50 = 0.18-1.0 mg/l (48h)</td>
<td>LC50 = 0.9-2.0 mg/l (96h)</td>
<td>No data available</td>
<td>12: 48 h Daphnia pulex mg/L EC50</td>
</tr>
<tr>
<td>Methane sulfonic acid 75-75-2</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability
No information available.

Bioaccumulation/Accumulation
No information available.

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method
Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated Packaging
Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION
15. REGULATORY INFORMATION

California Proposition 65 This product does not contain any Proposition 65 chemicals.

State Regulations

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>7722-84-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid</td>
<td>X</td>
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<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>79-21-0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methane sulfonic acid</td>
<td>X</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>75-75-2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

U.S. EPA Label information

EPA Pesticide registration number 4959-1

EPA Statement
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide label
HAZARDS TO HUMANS AND DOMESTIC ANIMALS: DANGER: CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear overalls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, and gloves. Wear protective eyewear (goggles, face shield, or safety glasses). Remove contaminated clothing and wash clothing before reuse.

16. OTHER INFORMATION

Preparation Date: 10-Feb-2020
Revision Date: 10-Feb-2020
Revision Note: None
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 SDS