INTRODUCTION

PROXITANE® 5 peracetic acid is an environmentally friendly, versatile cleaning agent and powerful oxidizer containing a stabilized solution of 5% peracetic acid and 23% hydrogen peroxide.

APPLICATIONS

Typical applications of PROXITANE® 5 include surface cleaning, odor suppression, water clarification, and chemical bleaching. For uses requiring an EPA-registered product (e.g. surface sanitizing under FIFRA), see Solvay product PROXITANE® EQ.

Some potential applications of this product are regulated or restricted by national or international standards (e.g. food or feed additives, water disinfection, cosmetic or the pharmaceutical industry, etc.). The buyer and eventual user, in his sole and entire liability, shall respect those standards, orders of any relevant authority, and all existing patents and intellectual property rights; and shall comply with the laws and the regulations applicable to our products and/or to his activity. The buyer and the eventual user must determine the suitability of this product for any particular purpose and its manner of use.

AVAILABILITY

Proxitane® 5 is sold at a concentration of 5% peracetic acid and is available in bulk truck, tote, drum, and pail quantities. For more information, or to place an order, please contact Solvay Chemicals Customer Service at 1-800-443-2785.

PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, colorless liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Pungent</td>
</tr>
<tr>
<td>Freezing point</td>
<td>-17.5 to -20.7 °F (-27.5 to -29.3 °C)</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.10</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water in all proportions</td>
</tr>
<tr>
<td></td>
<td>Soluble in polar organic solvents</td>
</tr>
<tr>
<td></td>
<td>Slightly soluble in aromatic solvents</td>
</tr>
</tbody>
</table>

MATERIAL COMPOSITION

<table>
<thead>
<tr>
<th>Component</th>
<th>Formula</th>
<th>CAS No.</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peroxyacetic Acid</td>
<td>CH₂COOOH</td>
<td>79-21-0</td>
<td>5 - 5.4</td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
<td>H₂O₂</td>
<td>7722-84-1</td>
<td>20 - 24</td>
</tr>
<tr>
<td>Acetic Acid</td>
<td>CH₃COOH</td>
<td>64-19-7</td>
<td>10 -12</td>
</tr>
<tr>
<td>Water</td>
<td>H₂O</td>
<td>7732-18-5</td>
<td>Balance</td>
</tr>
</tbody>
</table>

STORAGE AND HANDLING

Store Proxitane® 5 in the original vented container, upright, in a cool, ventilated area where it is protected from damage, or in bulk storage tanks made from approved alloys of stainless steel.

Do not store other chemicals, fuels, or combustible materials near hydrogen peroxide.

Never return unused Proxitane® 5 to the storage container.
When empty, rinse all containers thoroughly with clean water before discarding.

Use only approved materials for pumps, piping, and hoses.

**SAFETY**

Persons working with Proxitane® 5 should be familiar with personal protective equipment, first aid measures and the proper safety and handling procedures. Consult the Safety Data Sheet (SDS) for appropriate information, available at [www.solvay.us](http://www.solvay.us).

Prevent accidental decomposition by keeping the product free of contaminants.

Prevent fires by avoiding accidental spills. Water is the preferred method for extinguishing fires in which Proxitane® 5 peroxide is present.

Spills and leaks should be contained, diluted with copious amounts of water and disposed of in compliance with local regulations.

Proxitane® 5 storage or handling areas should be equipped with a safety shower, an eyewash station, and a water hose.

**FIRST AID**

**General Recommendations:**
Personal protective equipment for rescuers (see SDS).

In case of product splashing into eyes and face, treat eyes first.

Submerge soiled clothing in water.

Do not dry soiled clothing near an open flame or incandescent heat source.

Contact a physician in all cases.

**Inhalation:**
Remove the subject from the contaminated areas as soon as possible.

Transport him/her lying down, with the head higher than the body, to an uncontaminated, well-ventilated location.

Consult with a physician immediately in all cases.

**Eye contact:**
Flush eyes as soon as possible with running water for 15 minutes, while keeping eyelids open.

In the case of difficulty of opening the lids, administer analgesic eyewash (e.g. oxybuprocaine).

Consult with an ophthalmologist immediately in all cases.

**Skin contact:**
Remove contaminated shoes, socks and clothing under the shower if necessary; wash affected skin with running water.

Keep warm (blanket), provide clean clothing.
Consult with a physician in all cases.

**Ingestion:**
Consult with a physician immediately in all cases.
Take to hospital.

If the subject is completely conscious:
Rinse mouth and administer fresh water.
Do not induce vomiting.

If the subject is unconscious:
Loosen collar and tight clothing, lay victim on his/her left side.
Oxygen or cardiopulmonary resuscitation, if necessary.
Keep warm (blanket).

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**Medical treatment**

**General Recommendations:**

**Eye contact:**
Consult with an ophthalmologist.

**Skin contact:**
Usual treatment for burns.

**Ingestion:**
Oxygen therapy via intra-tracheal intubation

If necessary, tracheotomy

Placement of gastric catheter to release stomach gases.

Avoid gastric lavage (risk of perforation)

In cases of intense pain: inject an I.M. morphomimetic analgesic drug (e.g. Piritramide) before taking to hospital.

Prevention or treatment of shock and pulmonary edema.

Urgent digestive endoscope with aspiration of the product.

Treatment of gastrointestinal tract burns and resulting effects.
Before using, read Safety Data Sheet (SDS) for this chemical.

Solvay Chemicals, Inc.
24-hour Emergency Phone Number – 800-424-9300 (CHEMTREC®)

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