INTRODUCTION

Proxitane® WW-12 is a chlorine-free disinfectant to treat sewage and wastewater effluent in public and private wastewater treatment plants. Widely used in Europe, Proxitane® WW-12 is based on peracetic acid and hydrogen peroxide and effectively controls microbial levels in effluent prior to discharge.

APPLICATIONS

Proxitane® WW-12 is suitable for a wide range of wastewater treatment applications, including:
- municipal waste water
- industrial waste water
- water reuse
- storm water.

It is used primarily to replace chlorine, sodium hypochlorite, and as a low-capital alternative to UV, chlorine dioxide and ozone. Proxitane® WW-12 can also be used as a supplement to under-capacity UV systems.

See EPA-approved label for specific dosing requirements.

AVAILABILITY

Proxitane® WW-12 is sold at a concentration of 12% peracetic acid and is available in 275-gallon totes and 55-gallon drums. For more information, or to place an order, please contact Solvay Chemicals Customer Service at 1-800-443-2785.

PHYSICAL AND CHEMICAL PROPERTIES

Proxitane® WW-12 decomposes into biodegradable components (water, oxygen and a small amount of acetic acid). The product does not create chlorinated compounds or harmful disinfection by-products in the environment.

Appearance: Clear, colorless liquid
Odor: Pungent
Freezing point: -40.5 to -43.6°F (-40.3 to -42.0 ºC)
Boiling point: Not applicable, product decomposes
Specific gravity: 1.11
Solubility: Soluble in water in all proportions

Active Ingredients, Percent in Product
Peroxyacetic Acid CH₃C(=O)OOH 12%
Hydrogen Peroxide H₂O₂ 20%

STORAGE AND HANDLING

Store Proxitane® WW-12 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® WW-12 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® WW-12 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.solvaychemicals.us](http://www.solvaychemicals.us).

If necessary, wear a respirator with an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval prefix TC−23C), or a canister approved for pesticides (MSHA/NIOSH approval prefix TC−14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE pre-filter. Consult Solvay Chemicals’ Technical Data Sheet entitled Respirator Cartridge Service Life for Peracetic Acid available at [www.solvaychemicals.us](http://www.solvaychemicals.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 hydrogen peroxide is present.

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

Proxitane® WW-12 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®)

To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Solvay Chemicals, Inc., nor any of its affiliates, makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right. The user alone must finally determine suitability of any information or material for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Solvay Chemicals, Inc. reserves the right to make additions, deletions or modifications to the information at any time without prior notification.

Trademarks: Trademarks and/or other Solvay Chemicals, Inc. products referenced herein are either trademarks or registered trademarks of Solvay Chemicals, Inc. or its affiliates, unless otherwise indicated.

Before using, read the Safety Data Sheet (SDS) for the chemical.