A process by which ozone is broken down by UV light and resulting compounds are filtered through a solution of vegetable oil, concentrated lycopene and concentrated beta-carotene dissolved in said oil in order to reduce resulting radicals and form non harmful compounds.

Title: Process for Breaking Down Ozone

Inventors: Shawn E. Carter 06-10-2023

Background: Ozone is a gas that is found in the Earth's atmosphere. It is made up of three oxygen atoms. Ozone is important for protecting life on Earth from harmful UV radiation. However, ozone can also be harmful to life if it is in high concentrations.
UV light can break down ozone. When UV light hits ozone, it breaks the ozone molecule into two oxygen atoms. This process is called photolysis.
The resulting oxygen atoms can be harmful to life. They can react with other molecules to form harmful compounds.
Summary of the Invention:
The present invention provides a process for breaking down ozone and reducing the resulting radicals. The process comprises the steps of:

- Exposing ozone to UV light;
- Filtering the resulting compounds through a solution of vegetable oil, concentrated lycopene and concentrated beta-carotene dissolved in said oil; and
- Collecting the filtered compounds.

The vegetable oil, concentrated lycopene and concentrated beta-carotene in the solution act as antioxidants. They react with the resulting radicals to form non-harmful compounds.

Detailed Description of the Invention:
The present invention is a process for breaking down ozone and reducing the resulting radicals. The process comprises the steps of:

- Exposing ozone to UV light;
- Filtering the resulting compounds through a solution of vegetable oil, concentrated lycopene and concentrated beta-carotene dissolved in said oil; and
- Collecting the filtered compounds.

The ozone is exposed to UV light in a chamber. The chamber is equipped with a UV lamp. The UV lamp emits UV light that is absorbed by the ozone. The UV light breaks the ozone molecule into two oxygen atoms.
The resulting oxygen atoms are filtered through a solution of vegetable oil, concentrated lycopene and concentrated beta-carotene dissolved in said oil. The vegetable oil, concentrated lycopene and concentrated beta-carotene in the solution act as antioxidants. They react with the resulting radicals to form non-harmful compounds.
The filtered compounds are collected in a container. The container is then removed from the

chamber.
The present invention can be used to break down ozone in a variety of settings. For example, it can be used to break down ozone in industrial settings, such as factories and power plants. It can also be used to break down ozone in outdoor settings, such as swimming pools and parks.

The present invention is a significant improvement over the prior art. It is a more efficient and effective way to break down ozone and reduce the resulting radicals. The present invention is also a more environmentally friendly way to break down ozone.