Aktobis AG
GERMANY SINCE 2003

SAFETY DATA SHEET (based on REACH)

Ozone generator WDH-WP15 (Product - ozone generated in situ)
Information sheet for customers, based on Regulation (EC) No. 1907/2006 (REACH)

1. Name of the substance or mixture and of the company



Product name: Ozone generator WDH-WP15
Brand: WDH
Use: Ozonation of water for purification, oxidation, and disinfection
Substance produced: Ozone (O_3), generated in situ
Manufacturer: Aktobis AG
Address: Borsigstr. 20, 63110 Rodgau, Deutschland
Phone: +49 (0)6106 284230
E-Mail: info@aktobis.de
Emergency number: 112 (European emergency number)

2. Potential hazards

The product is an electrical device that generates ozone during operation.
Ozone is a highly oxidizing, toxic gas.
Classification of the generated ozone according to the CLP Regulation:
H330: Fatal if inhaled.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
Ozone gas can escape from ozonated water back into the room air.
During and after use, no persons or animals may remain in the immediate vicinity.

3. Composition/information on components

Product (device).
During operation, ozone (O_3) is generated from ambient air.
No ozone is stored or retained in the device.

4. First aid measures

After inhalation: Immediately remove affected person to fresh air.
If breathing is difficult, coughing or irritation occurs, seek medical attention.
If unconscious: place in recovery position, call emergency services 112.
Eye contact: Rinse eyes with water for several minutes and consult a doctor.
Skin contact: Generally not relevant, avoid contact with heavily ozonated water.

5. Firefighting measures

The device itself is non-flammable.
Suitable extinguishing media: CO_2, powder, water mist (depending on the surrounding fire).

Disconnect the electrical power supply in case of fire.

6. Measures in case of accidental release

Switch off the device immediately and leave the room.
Ventilate the room thoroughly (open windows/doors).
Do not re-enter the room until the ozone has completely dissipated.
Ozone decomposes spontaneously into oxygen.

7. Handling and storage

Only use the device in accordance with the operating instructions.
No persons, animals, or plants may be present in the room during operation.
Allow sufficient ventilation time after use.
Store in a dry place out of the reach of children.

8. Limitation and monitoring of exposure

Occupational exposure limit (OEL) for ozone: 0.1 ppm (0.2 mg/m³).
This value must not be exceeded.
Personal protective equipment is not required when used as intended.

9. Physical and chemical properties

Physical state: gas
Color: bluish
Odor: pungent
Oxidizing properties: very strong

10. Stability and reactivity

Ozone is unstable and spontaneously decomposes into oxygen.
It reacts strongly with organic substances, metals, and plastics.

11. Toxicological information

Ozone is toxic when inhaled.
Even low concentrations can cause irritation of the respiratory tract.
Higher concentrations can lead to severe lung damage.

12. Environmental information

Ozone is highly reactive and short-lived.
No long-term environmental persistence.
Avoid release into inhabited areas.

13. Disposal instructions

Dispose of the device as waste electrical equipment in accordance with the ElektroG.
No special measures are required for ozone, as no storage substance is present.

14. Transport information

Not classified as dangerous goods according to transport regulations.
Transport as an electrical device.

15. Legal provisions

Product Safety Act (ProdSG)
Hazardous Substances Ordinance (GefStoffV) – ozone generated in situ
CLP Regulation (EC) No. 1272/2008 (classification of ozone)
REACH Regulation (EC) No. 1907/2006 (information format)

16. Other information

This document is an information sheet based on a safety data sheet.
It serves to inform customers about safe conditions of use.
Subject to technical changes.