SEP ENVIRONMENTAL PROTECTION PTY LTD

Cleaning Agent

1. SEP-0560 Cleaning agent

0560 is a highly effective multi-functional cleaning agent for removing inorganic scaling substances and iron deposits, and can be used in reverse osmosis (RO), nanofiltration (NF), and ultrafiltration (UF) systems.

- Highly efficient acidic cleaner, capable of removing a variety of inorganic scaling substances;
- Remove deposited contaminants of iron and aluminium;
- Good pH buffering capacity, pH controlled within the optimal dissolution range of contaminants such as Fe, Al;
- Both polyamide membranes and polyacetate fiber membranes are safe to use;
- Approved by major membrane manufacturers.

1.1Physicochemical properties

Product appearance: Clear pale yellow liquid

pH: 1.5-3.5

Freezing point: 0℃

Specific gravity (20℃) : 1.15-1.25

1.2 Product Features

- When cleaning membrane with 0560, a 2-4% aqueous solution should be prepared, and the prepared water should use high-quality reverse osmosis

product water;

- At least 1 to 2 hours of cyclic soaking of the membrane is required during cleaning;

- When using 0560, pH should stabilize around 3.5. If pH rises more than 4.5, drain the cleaning solution and reprepare it;

- It is recommended that the cleaning temperature be between 25 and 35℃.

- After the cleaning is completed and before the system is restarted, a through flushing of the membrane system is required to remove any remaining cleaning solution;

1.3 Health and safety

0560 is a neutral aqueous solution and is compatible with carbon steel and most building materials. For details, please refer to the Product Safety Data Sheet (MSDS).

1.4 Shipping Information

Railway/Road: ADR/RID grade: 8; Packaging classification: III; Hazchem code: 2X;

Maritime: UN classification: 8; UN n°: 3266; Packaging classification: III

Air Transport: ICAO/IATA class: 8

1.5 Product packaging and warranty period

0560 is available in 25kg small drums and 250kg large drums.

The shelf life of the 0560 product is 2 years.

2. SEP-0561 cleaning agent

0561 is a broad-spectrum, highly effective multi-functional membrane cleaning agent.

- This product is formulated with a variety of surfactants, complexing agents, alkaline auxiliaries and membrane protectants, and is used to remove organic matter, biological metabolites, colloidal particles and other contaminants from reverse osmosis (RO), nanofiltration (NF), ultrafiltration (UF) systems;

- It can also effectively remove deposited contaminants such as Fe, Al, clay and colloidal silicon;

- Liquid product, easy to use;

- Both polyamide membranes and polyacetate membranes are safe to use;

- It has been recognized by major membrane manufacturers.

2.1Physicochemical properties

Product appearance: Pale yellow liquid

pH: ≥11.0

Freezing point: 0℃

Specific gravity (20℃) : 1.10-1.25

2.2 Product Features

- When cleaning membrane with 0561, a 2-4% aqueous solution should be prepared, and the prepared water should use high-quality reverse osmosis

product water;

- The membrane should be recirculated for at least 4-6 hours during cleaning;
- The higher the cleaning temperature, the better the cleaning effect;
- When using 0561, some foam will be produced;
- The pH and temperature range specified by the membrane manufacturer must be strictly adhered to;
- After the cleaning is completed, a through flushing of the membrane system is required before the system is restarted to remove any remaining cleaning solution;

2.3 Health and safety

0561 is an alkaline aqueous solution containing surfactants, biodegradable chelating agents and pHospHonates. It is compatible with carbon steel and most building materials. Specific details can be found in the Product Safety Data Sheet (MSDS).

2.4 Shipping Information

Railway/Highway: ADR/RID grade: 8; Packaging classification: III; Hazchem code: 2X; Kemler: : 80

Shipping: UN classification: 8; UN n°: 3265; Packaging classification: III

Air Transport: ICAO/IATA class: 8

2.5 Product packaging and warranty period

0562 is available in 25kg small drums and 225kg large drums.

The shelf life of product 0562 is 2 years under normal transport and storage conditions.

3. SEP-0562 cleaning agent

0562 is a membrane-specific cleaning agent for acidic insoluble scale.

- It can effectively remove insoluble scale such as sulfate and calcium fluoride from reverse osmosis (RO) and nanofiltration (NF) systems;
- It can effectively remove deposited contaminants such as Fe, Al, clay and colloidal silicon;
- Liquid product, easy to use;
- Both polyamide membranes and polyacetate membranes are safe to use.

3.1 Physicochemical properties

Product appearance: Slight ammonia odor

pH: 7.5-8.5

Freezing point: 0℃

Specific gravity (20℃) : 1.10-1.25

Flash point: Non-flammable, aqueous solution

3.2 Product Features

- When cleaning membrane with 0562 stock solution, or dilute 2-3 times the solution. Prepare the water using high-quality product water;
- The cleaning time depends on the severity of the scaling; in severe cases, long circulation soaking is required;
- The pH and temperature range specified by the membrane manufacturer

must be strictly adhered to;

- After the cleaning is completed, a through flush of the membrane system is required before the system is restarted to remove any remaining cleaning solution.

3.3 Health and safety

0562 is a neutral aqueous solution and is compatible with carbon steel and most building materials. For details, please refer to the Product Safety Data Sheet (MSDS).

3.4 Shipping Information

Railway/Road: ADR/RID grade: 8; Packaging classification: III; Hazchem code: 2X; Kemler: : 80

Shipping: UN classification: 8; UN n°: 3266; Packaging classification: III

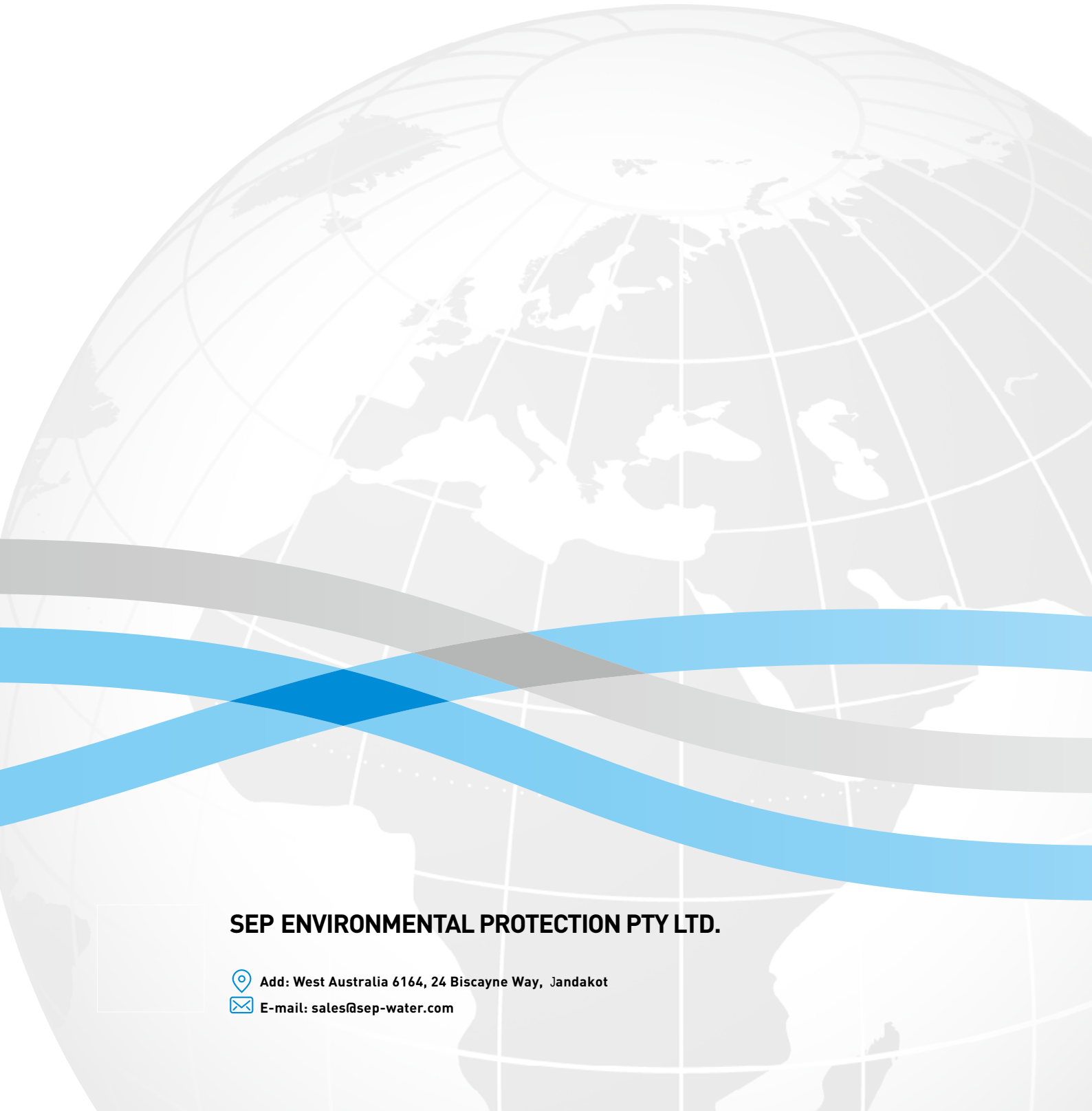
Air Transport: ICAO/IATA class: 8

3.5 Product packaging and warranty period

0562 is available in 25kg small drums and 225kg large drums.

The shelf life of the 0562 product is 1 year under normal transport and storage conditions.

Main Customers



SEP ENVIRONMENTAL PROTECTION PTY LTD.

Add: West Australia 6164, 24 Biscayne Way, Jandakot

E-mail: sales@sep-water.com