

# PRODUCT DATA SHEET

Polyphosphate Siliphos is the reliable slow-soluble food grade chemical, which brings us the economical way to protect industrial & potable water systems against scale and corrosion. It can be fed into water by a dispenser, which can be installed in almost every water system. They require no electric installation and hardly any maintenance. They only have to be refilled with balls every 3-12 months. Refilling is very easy.

- Protects** water systems in hotels, public buildings, private households and industry against scale formation and corrosion
- Prevents** "brown" water and clogged pipes
- Saves** expensive repairs or even replacement of water pipes, boilers, heaters, cooling systems etc
- Extends** the life of your water installation



## Physical and Chemical Properties:

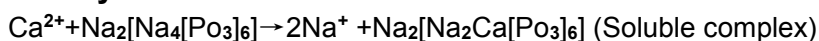
No	Item	Spec.
1	Bulk Density	1.7±0.1g/ cm <sup>3</sup>
2	PH Value	7.0±0.5
3	P <sub>2</sub> O <sub>5</sub> Content (%)	61~69%
4	Na <sub>2</sub> O Content (%)	20~30%
5	CaO Content (%)	7~15%

## Recommended dosage

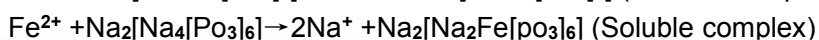
For anti-scale: 10g per 1ton water (concentration: < 10ppm)

For anti-corrosion: 3g per 1ton water (concentration: < 3ppm)

## Theory of anti-scale



## Theory of anti-corrosion



## Health Consideration

Phosphates are natural minerals needed by the human body. There are absolutely no health considerations in case phosphate-treated potable water is consumed continuously. The purity of Polyphosphate Siliphos for the treatment of drinking water is in accordance with the EC-Standard (DIN EN 1208).

## Test Data - food grade security for the treatment of drinking water

Item	Unit	Test requirement	Test result	Conclusion
Ball size	mm	17mm/20mm/23mm	17mm/20mm/23mm	pass
Appearance	–	transparent glassy ball	transparent glassy ball	pass
PH value	–	7±0.5	7±0.5	pass
Arsenic (As)	mg/L	≤0.005	<0.005	pass
Cadmium (Cd)	mg/L	≤0.0005	<0.0001	pass
Chromium (Cr)	mg/L	≤0.005	<0.004	pass
Plumbum (Pb)	mg/L	≤0.001	<0.001	pass
Ag	mg/L	≤0.005	<0.005	pass
Selenium (Se)	mg/L	≤0.001	<0.001	pass
Hg	mg/L	≤0.0002	<0.0002	pass

**Package** 20kg/carton with 64 cartons/pallet, or Customization