



The practice of fluoridating drinking water has long been a topic of discussion amongst the potable water industry, regulatory agencies, and the public. There are benefits as well as detriments to this practice. To apply fluoridation safely and in the appropriate amount requires the knowledge of the different chemistries available as well as the available water quality parameters of your system. Coyne Environmental can provide you the necessary support to make the correct decision.

Coyne Environmental is uniquely positioned with the most comprehensive collection of treatment options available to assist the municipal and industrial water and wastewater treatment industries in meeting your specific treatment goals.



POTABLE & PROCESS WATER TREATMENT

Fluoridation

The addition of fluoride to drinking water requires the evaluation of which chemistry best fits your treatment process as well as potential background levels present in your raw water sources. Equally important issues to consider are ease of use and impact of the chemical feed on worker safety. Coyne Environmental has all your options available and can assist in your evaluation process.

Chemistry and associated costs provide an economic advantage to Sodium Fluoride at this time. However, other factors such as supply, ease of feeding, accuracy in dosing, and improved worker safety can detract from the bottom line costs of operation and provide an economic advantage for other chemistries:

PRODUCT	CHEMICAL FORMULATION	MUL	LBS PRODUCT/MGD TO OBTAIN 1.0 mg/L RESIDUAL*
Hydrofluosilicic Acid	H ₂ SiF ₆	6 mg/L	44
Sodium Fluoride	NaF	2.3 mg/L	19
Sodium Silicofluoride	Na ₂ SiF ₆	2 mg/L	14

* Assuming 0 mg/L F Background Levels

To obtain the correct dosages to meet your individual requirements, consult your Coyne Environmental Service Application Specialist at: **215-785-3000**.

Or visit us at: **www.coyneenvironmental.com**

PRODUCTS

Hydrofluosilicic Acid 23-25%
(Fluorosilicic Acid, Fluosilicic Acid)

Sodium Fluoride

Sodium Silicofluoride
(Sodium Fluororsilicate)

All products are NSF / ANSI Standard 60 Certified

APPLICATION

Fluoridation

Coyne Chemical Environmental Services provides practical, economical, and user-specific solutions to virtually any municipal or industrial water and wastewater treatment challenge.