

SANTHIOL N-W

Metal treatment agents

In recent years, the use of toxic corrosion inhibitors such as chromic acids has become unacceptable from the viewpoint of pollution control, and relatively harmless organic corrosion inhibitors have become important. Triazine thiols have been used as metal inhibitors and heavy metal removers. SANTHIOL N-W is a 3Na salt compound of ZISNET F in the form of an aqueous solution

Applications

- ① Heavy metal treatment agent in wastewater (removal of Hg, Cd, Pb, Cr, etc.)
- ② Recovery of valuable metals
- ③ Fixation of toxic metals
- ④ Ag recovery in photographic wastewater

Features

- ① Reacts readily with copper, cadmium, mercury, lead, nickel, tin and other compounds to form precipitates
- ② It is possible to reduce the concentration significantly below the upper limit of allowable concentration set by law.

Example of specification

- ① Add an appropriate amount of Santhiol N-W to the waste liquid; adjust the pH and filter out the precipitates (heavy metals) to obtain a liquid with reduced heavy metals.
- ② Under appropriate conditions, it can be reduced to the ppb order.

Packaging

Net weight-----20 kg

Outer shell-----Cubitainer

Product Information

Chemical name	2, 4, 6-Trimercapto-s-trisodiumsalt
CAS No.	17766-26-6
Existing chemical substances No.	5-1075
T S C A	○
EINECS No.	2417495
Product Specification	Appearance-----brownish-yellow liquid content-----15% or more

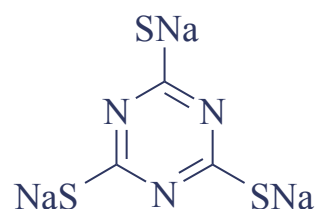
Product photo



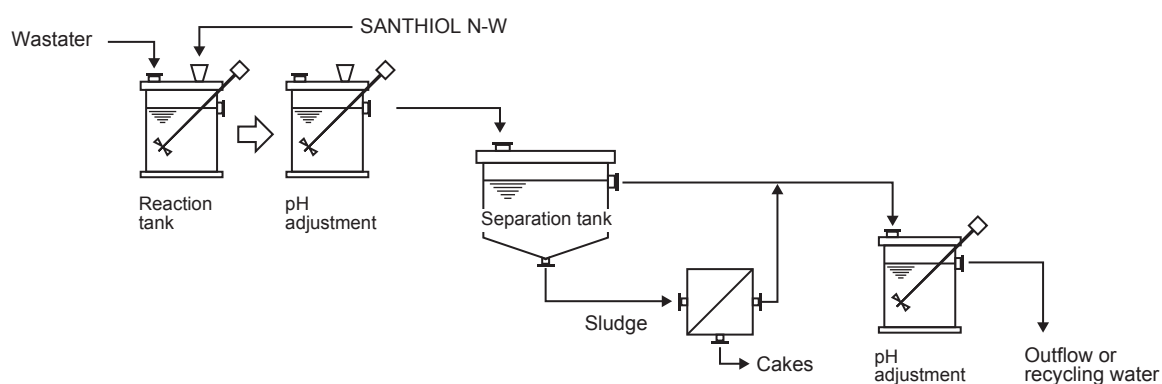
Packing form



Chemical formula



Example of administration



Effect of SANTIOL N-W

Category metallic salt	Wastewater		administration		after administration
	concentration(ppm)	pH	Use conditions	pH	
Colloidal mercur, Mercurous oxide	Hg 1.0	4	N-1 10mg/l	4	Hg 5ppb
	Hg 4.1, Cu 870, Fe 1.280	0.5	N-H 1.22gr/l	7	Hg 3ppb, Cu 1.0ppm, Fe 4.4ppm
	Hg 26.7	3	N-1(1%) 3.4ml	4	Hg 1.7ppb
	Hg 0.48	6.5	N-1(1%) 3.4ml/l	4	Hg 2.0ppb
	Hg 10.7	4.5	N-1 0.1gr/l	4	Hg 1.5ppb
	Cd 50.5, Ag3000	4	N-A(20%) 150ml/l PAC 0.3ml/l	7.4	Cd 8ppb, Ag <20ppb
Mercur in 10% sulfuric acid	Hg 2.700, Cu, Fe 5000	less than 1	N-1 50gr/l	0.6	Hg 3ppb, Cu, Fe 5ppm
Fatty acid cadmium	Cd 0.66	5.5	N-A 50ml/l PAC 0.3ml/l	7	Cd 3.5ppb
	Cd 48, Ni 5	8.8	N-H 1.5gr/l	7	Cd 10ppb, Ni 0.5ppm以下
Basic cadmium salt	Cd 1.5, Ni50	9.2	N-A 0.2ml/l PAC 0.3ml/l	7	Cd 10ppb, Ni 0.5ppm以下
admium oxide	Cd 0.8, Pb 2.1	6	N-1 10mg/l	6	Cd 10ppb, Ni <2ppm
	Cd 3.8, Zn 31.2, Pd 0.2	4	N-1 0.13gr/l	6	Cd 0.01, Pb 0.1以下, Zn 1.0(ppm)以下
Basic copper carbonatate	Cu 15	7.4	N-W 0.3ml/l PAC 0.5ml/l	7.4	Cu 0.5ppm以下
Copper chelate	Cu 55	9	N-W 0.6ml/l PAC 0.3ml/l	7.8	Cu 20ppb以下
Copper pyrophosphate	Cu 5000	9	N-W 24gr/l PAC 0.3ml/l	7	Cu 0.5ppm以下
Copper acetate	Pb 2980, Fe 24	4.2	N-W 24gr/l	8.2	Pb 0.2, Fe 12(ppm)
	Pb 196, Fe 4.4	3	N-W 2gr/l	6	Pb 0.1ppm