

TRAMFLOC, INC.

6046 FM 2920 Road, #615, Spring, TX 77379 Voice: 888-929-8973 Fax: 480-383-6895

Technical Information Bulletin TRAMFLOC® 905 PRECIPITANT

Product Description

Tramfloc® 905 is a solution of calcium thiosulfate especially formulated to dechlorinate and deozone safely and efficiently. Dechlorination or deozoneation is often desirable in water treatment plants, UPW applications, wastewater treatment operations, final plants effluents, potable water, filter backwash, paper industry wastewater and other applications where the presence of chlorine or ozone is unwanted or an effluent regulation violation. Tramfloc® 905 is completely water soluble, water-clear, odorless, has a low freeze point, is non-corrosive, doesn't off-gas, doesn't crystallize, and is nonhazardous

Uses

Tramfloc® 905 is used to safely destroy chlorine and replaces: poisonous sulfur dioxide gas, dangerous sodium bisulfite, hazardous hydrogen peroxide, and difficult to handle sodium metabisulfite. Tramfloc® 905 is much less costly to apply than ascorbic acid. Tramfloc® 905 is dosed at one part formulation to one part of chlorine and to four parts of ozone. Tramfloc® 905 is therefor very economical to apply. Tramfloc® 905 is NSF® Standard 60 listed and since no SO₂ gas is generated, a scrubber is unnecessary. No heating or insulation is required except in very cold areas. The formulation does not crystallize and is not D. O. T. regulated.

Make-Down

It is recommended that Tramfloc® 905 be fed neat by a metering device directly to the affected plant process to be treated. See dosage chart below for feed rate calculations..

Packaging

Tramfloc® 905 is available in 2900# totes and 565# net weight drums and in bulk.

Handling and Storage

Tramfloc® 905 should be stored in a cool, dry place. Empty drums should be disposed of according to local regulations.

Safety and Health

Precautions should be taken to prevent product spills. Precaution should be taken to prevent inhalation, ingestion or contact with skin or eyes. Observing basic industrial hygiene precautions should prevent any health or safety hazards

Tramfloc® 905 Dechlorinating Agent

FLUID OUNCES OF TRAMFLOC® 905 PER THOUSAND GALLONS OF WATER										
Parts per Million Chlorine										
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
pH										
6.5	0.69	1.39	2.08	2.78	3.47	4.16	4.86	5.55	6.25	6.94
6.8	0.67	1.34	2.02	2.69	3.36	4.03	4.70	5.38	6.05	6.72
7.0	0.66	1.32	1.97	2.63	3.29	3.95	4.61	5.26	5.92	6.58
7.2	0.64	1.29	1.93	2.57	3.21	3.86	4.50	5.14	5.78	6.43
7.4	0.63	1.26	1.89	2.51	3.14	3.77	4.40	5.03	5.66	6.28
7.6	0.61	1.23	1.84	2.45	3.07	3.68	4.29	4.90	5.52	6.13
7.8	0.60	1.20	1.79	2.39	3.00	3.59	4.18	4.78	5.38	5.98
8.0	0.58	1.17	1.75	2.33	2.92	3.50	4.09	4.67	5.25	5.84
8.5	0.55	1.09	1.64	2.19	2.73	3.28	3.83	4.37	4.92	5.47
9.0	0.51	1.02	1.53	2.04	2.54	3.06	3.57	4.08	4.58	5.09
9.5	0.47	0.94	1.42	1.89	2.36	2.83	3.31	3.78	4.25	4.72
10.0	0.44	0.87	1.31	1.74	2.18	2.61	3.05	3.48	3.92	4.35

FLUID OUNCES OF TRAMFLOC® 905 PER MILLION GALLONS										
Parts per Million Chlorine										
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
pH										
6.5	5.4	10.9	16.3	21.7	27.1	32.5	37.9	43.4	48.8	54.2
6.8	5.3	10.5	15.8	21.0	26.3	31.5	36.8	42.0	47.1	52.5
7.0	5.1	10.3	15.4	20.6	25.7	30.8	36.0	41.1	46.2	51.4
7.2	5.0	10.0	15.1	20.1	25.1	30.1	35.2	40.2	45.2	50.2
7.4	4.9	9.8	14.7	19.6	25.4	29.4	34.3	39.2	44.2	49.1
7.6	4.8	9.6	14.4	19.2	24.0	28.7	33.5	39.3	43.1	47.9
7.8	4.7	9.3	14.0	18.7	23.4	28.0	32.7	37.4	42.1	46.7
8.0	4.6	9.1	13.7	18.2	22.8	27.3	31.9	36.5	41.0	45.6
8.5	4.3	8.4	12.8	17.1	21.3	25.6	29.9	34.1	38.4	42.7
9.0	4.0	8.0	11.9	15.9	19.9	23.9	27.8	31.8	35.8	39.8
9.5	3.7	7.4	11.1	14.8	18.4	22.1	25.8	29.5	33.2	36.9
10.0	3.4	6.8	10.2	13.6	17.0	20.4	23.8	27.2	30.6	34.0

The above data is based upon information Tramfloc, Inc. believes reliable and is supplied for informational purposes only. Tramfloc, Inc. disclaims any liability for damage or injury which results from the use of the above data and nothing contained herein shall constitute a guarantee, warranty (including warranty of merchantability or fitness for a particular purpose) or representation (including freedom from patent liability) by Tramfloc, Inc. with respect to the accuracy or completeness of the data, the product described, or their use for any specific purpose even if that purpose is known to Tramfloc, Inc. The final determination of the suitability of the information, the manner of use of the information or product and potential infringement of patents is the sole responsibility of the user.