MATERIAL SAFETY DATA SHEET

Section I:

Manufactures Name: Walling Chemical Company
Address: 2008 Westport Ave., Box 408, Sioux Falls, SD 57117-0408
Phone #: 605-336-6710
Date Prepared: 9-9-88
Product Identity: Code 774 Thiosulfate reagent
Synonyms: ---

Section II: Hazardous Ingredients/Identity Information

Hazardous Components	OSHAPEL	ACGIH-TLV	Flammability	LEL	UEL
Sodium thiosulfate	Not listed		NA	NA	NA
		CAS# 7772-98-7			

Other Cited Data: None

Comments Code 774 is a reducing agent

Section III: Physical/Chemical Characteristics

Boiling Point Approx. 100°C Specific Gravity ($H_2O = 1$) 1.0
Vapor Pressure Water Melting Point 32°F
pH 6-7 Evaporation Rate (Butyl acetate = 1) Water
Appearance and odor Clear odorless liquid

Section IV: Fire and Explosion Data

Flash Point None
Extinguishing Media Water, foam, CO_2, dry chemical
Special Fire Fighting Procedures NA

Unusual Fire and Explosion Hazards NA

Section V: Reactivity Data

Stability: Stable Yes Unstable NO
Conditions to avoid Contamination with other chemicals

Incombatability None

Hazardous Decomposition or By Products SO_2

Hazardous Polymerization: Will Occur – Will Not Occur +

Section VI: Health Hazard Data

Routes of Entry: Inhalation NO Skin YES Ingestion YES

Health Hazards (Acute and Chronic) Eyes and skin: Irritation
Ingestion: low Toxicity

Carcinogenicity: NTP NO IARC NO

OSHA Regulated NO Other NO

Signs and Symptoms of Exposure: May cause irritation

Medical Conditions Aggravated by Exposure: None known

Emergency and First Aid Procedures: Flush off with plenty of water

Section VII: Precautions for Safe Handling and Use.

Steps to be taken in case material is released or spilled: Soak up on inert material. Incinerate

Waste Disposal Method Follow Federal ; State, and local regulations.

Precautions to be taken in handling and storing: Keep out of direct sunlight at room temp.

Other precautions: Avoid contact

Section VIII: Control Measures

Respiratory Protection: NA

Ventilation: Local Exhaust NA Special NA

Mechanical (Type) NA Other NA

Protective Gloves Latex if needed Eye Protection Goggles

Other Eyewash

Comments: Use safe practice.

References Used:

Third Annual Report on Carcinogens
NTIS
Research Triangle Park, NC

Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids (1984)
NFPA
Batterymarch Park, Quincy, MA 02269

OSHA Safety and Health Standards
(29 CFR 1910) OSHA 2206
U.S. Dept. of Labor
Washington, D.C. 20402

Threshold Limit Values and Biological Exposure Indices For 1985-86
ACGIH, Cincinnati, OH 45211