4-10-91

Section I:

Manufactures Name: Walling Chemical Company
Address: 2008 Westport Ave., Box 408, Sioux Falls, SD 57117-0408
Phone #: 605-336-6710
Date Prepared: 12-11-85
Product Identity: CG-3
Synonyms: Boiler Water Treatment

Section II: Hazardous Ingredients/Identity Information

Hazardous Components	OSHAPEL	ACGIH-TLV	Flammability	LEL	UEL
Sodium Nitrite	Not Listed	Not Listed	NA (0)	NA	NA
Sodium Hydroxide	2mg/m³ C	2mg/m³	NA (0)	NA	NA
Sodium borate	Not Listed	Not Listed	NA (0)	NA	NA
Sodium polyacrylate	Not Listed	Not Listed	NA (0)	NA	NA
Morpholine	20ppm (skin)	20ppm (skin)	(3)	1.4%	11.2%
Sodium Carbonate	Not Listed	Not Listed	NA (0)	NA	NA

Other Cited Data: Sodium nitrite is a potential oxidizing agent.

Comments "C" stands for ceiling limit. Alkaline liquid, corrosive

Section III: Physical/Chemical Characteristics

Boiling Point Approx. 100°C Specific Gravity ($H_2O = 1$) 1.26
Vapor Pressure Unknown Melting Point Approx. 0°F
pH 13-14 Evaporation Rate (Butyl acetate = 1) <1
Appearance and odor Pink liquid, slight ammonical odor

Section IV: Fire and Explosion Data

Flash Point None
Extinguishing Media Water, CO_2, foam, dry chemical
Special Fire Fighting Procedures Wear a self contained breathing apparatus.

Unusual Fire and Explosion Hazards May emit hazardous vapors if involved in a fire.

Section V: Reactivity Data

Stability: Stable Yes Unstable No
Conditions to avoid Acids

Incombatability May react with oxidizers or reducing agents. Acids

CG-3

Hazardous Decomposition or By Products Oxides of nitrogen, CO, CO_2, amines

Hazardous Polymerization: Will Occur - Will Not Occur X

Section VI: Health Hazard Data

Routes of Entry: Inhalation Yes Skin Yes Ingestion Yes

Health Hazards (Acute and Chronic) Inhalation: Not a problem under normal conditions. May cause nose and throat irritation. Eyes: Irritation, burns. Skin: Irritation, burns Ingestion: Nausea

Carcinogenicity: NTP No IARC No

OSHA Regulated No Other No

Signs and Symptoms of Exposure: Eyes: Irritation, burns. Skin: Irritation, rash, burns Inhalation: High vapor concentration may cause nose and throat irritation. Ingestion: Nausea, vomiting, pain, shock

Medical Conditions Aggravated by Exposure: High vapor concentrations may aggravate a respiratory condition.

Emergency and First Aid Procedures: Eyes: Immediately flush with water and irrigate for 15 or 30 minutes. Seek medical attention if symptoms persist. Skin: Flush off with water. Remove contaminated clothing. Launder before reuse. Ingestion: Give 2 glasses of water and induce vomiting. Inhalation: Remove to fresh air.

Section VII: Precautions for Safe Handling and Use.

Steps to be taken in case material is released or spilled: Wear proper safety gear. Contain spill. Soak up on inert material and shovel into labeled drums. Hold for proper disposal method.

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

Precautions to be taken in handling and storing: Avoid contact.

Other precautions: Use in a cool well ventilated area.

Section VIII: Control Measures

Respiratory Protection: Only if needed. Organic vaportype respirator mask

Ventilation: Local Exhaust Normal Special No
Mechanical (Type) Vent Fan Other No

Protective Gloves Rubber Eye Protection Goggles

Other Eye wash

Comments: Practice good safety and hygiene measures when using this product.

References Used:

Third Annual Report on Carcinogens
NIS
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