

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: December 27, 1985

Product Identity: Code #36

Synonyms: Potassium Iodide/Iodate

Section II: Hazardous Ingredients/Identity Information

Hazardous Components	OSHAPEL	ACGIH-TLV	Flammability	LEL	UEL
Potassium Hydroxide	Not Listed	2mg/m ³ (Ceiling)	(0)	NA	NA
Potassium Iodide	Not Listed	Not Listed	(0)	NA	NA
Potassium Iodate	Not Listed	Not Listed	(0)	NA	NA

Other Cited Data: None

Comments Code #36 contains an oxidizing agent.

Section III: Physical/Chemical Characteristics

Boiling Point Approx. 100°C Specific Gravity (H₂O = 1) 1.0

Vapor Pressure (Water) 0.0 Melting Point Approx. 30°F

pH 10 - 11 Evaporation Rate (Butyl acetate = 1) 1.1

Appearance and odor Clear Liquid, Odorless

Section IV: Fire and Explosion Data

Flash Point None

Extinguishing Media Water, CO₂, Foam, Dry Chemical

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

Section V: Reactivity Data

Stability: Stable Yes Unstable No

Conditions to avoid Freezing, Acids

Incombatability Acids

Hazardous Decomposition or By Products _____

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) May cause skin or eye irritation,

Carcinogenicity: NTP NO IARC NO

OSHA Regulated NO Other _____

Signs and Symptoms of Exposure: Skin & Eyes: May cause irritation,
Ingestion: Nausea

Medical Conditions Aggravated by Exposure: None Known

Emergency and First Aid Procedures: Skin or Eyes: Flush with plenty of water.
Seek medical attention if needed. Ingestion: Give grapefruit juice
or 1:4 dilute vinegar followed by raw egg whites beaten in water.

Section VII: Precautions for Safe Handling and Use.

Steps to be taken in case material is released or spilled: Small quantities: Flush to
sewer. Large Quantities: Absorb on inert material and dispose
in trash.

Waste Disposal Method Follow federal, state and local regulations.

Precautions to be taken in handling and storing: Keep from freezing.
Avoid acid contamination.

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 Eye Wash

Comments: General safe practice should be used when using this and other chemical reagents.

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