

MATERIAL SAFETY DATA SHEET

FOR SOLUTION '5' of
Eu-Test-It[™] Base Metal Identification Kit

EUTECTIC CORPORATION

40-40 172nd Street

Flushing, N.Y. 11358

Information Phone Number: (800) 221-1433

mshmm05.wps

SECTION I. IDENTIFICATION OF PRODUCT

Product Name: Solution '5'

Use: In *Eu-Test-It*[™] Base Metal Identification Kit

Size: .50 oz. or 15ml.

SECTION II. HAZARDOUS MATERIALS

Sodium Thiosulfate

CAS NO: 10102-17-7

% Solution: Approx. 10%

OSHA PeL (mg/m³): Unkn

ACGIH TLV (mg/m³): Unkn

Formula: $Na_2S_2O_3$ dissolved in H_2O .

Used in Product "Chemical Kit"

Synonym or Cross Reference: Pentahydrate; sodium hyposulfite

Carcinogen: No

Chemical Family: Inorganic sodium compound

SECTION III. PHYSICAL DATA

Appearance: Odorless and colorless crystals dissolved in water.

Vapor Pressure: mm Hg at 20° C: N/A

Specific Gravity: (Water =1) 1.69

Vapor Density: (Air = 1) UNKN

Percent Volatile By Volume: N/A

Water Solubility: Appreciable (>10%)

Evaporation Rate: (n-butyl acetate = 1): UNKN

Boiling Point: N/A

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A Extinguishing Media: Use media suitable for surrounding materials.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazard: None Identified.

Toxic Gasses Produced: Sulfur dioxide

SECTION V. HEALTH HAZARD

Nature of Hazard: May cause irritation of skin and eyes. Flush area of contact with water. If irritation is severe, get medical attention.

Threshold Limit Value: None established.

Effects of overexposure:

Inhalation; Irritation of upper respiratory tract.

SECTION V. HEALTH HAZARD continued

Skin Contact: Prolonged contact may cause irritation.

Eye Contact: Irritation.

Ingestion: G.I. irritation.

Carcinogenicity: None identified.

Emergency First Aid: Eyes; Flush thoroughly with water for at least 15 minutes: Skin; Wash with soap and water:

Inhalation; Remove to fresh air: Ingestion; Get medical assistance.

Ingestion: If conscious, immediately give large amounts of water and induce vomiting. If unconscious, inhalation of amyl nitrite vapor for five seconds at 15 second intervals. Get medical assistance for all cases of overexposure.

Never give anything by mouth to an unconscious person.

SECTION VI. REACTIVITY DATA

Stability: ___ Unstable X Stable Incompatibility (Materials to Avoid): Reacts with strong acids. Also, avoid oxidizers, iodine, mercury, sodium and potassium.

Decomposition Products: Oxides of sulfur.

Avoid excessive heat.

SECTION VII. SPILL AND DISPOSAL PROCEDURES

Scoop up and dispose of properly.

Disposal: To be performed in compliance with all current local, state and federal regulations. Contact professional disposal service.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection: Provide adequate general mechanical and local exhaust ventilation to meet TLV requirements. Do not get in eyes, on skin, or on clothing. Protect eyes and skin with safety goggles and gloves. Do not breathe vapor.

SECTION IX. HANDLING AND STORING PRECAUTIONS

Special Handling and Storing Precautions: Keep container tightly closed. Store in a cool, dry place away from acids. Do not breathe dust or vapor. Do not get on skin, in eyes or on clothing. Do not take internally. Wash thoroughly after handling.

SECTION X. MISCELLANEOUS INFORMATION AND PRECAUTIONARY LABELING

NFPA 704:	Health	Flammability	Reactivity	Contact
	0	0	1	1

Do not get in eyes, on skin or clothing. Do not breathe vapor. Wash thoroughly after handling.

Date Issued: 5/4/94

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. In preparation of this document we relied in part upon existing hazard communications provided to us by suppliers in accordance with Occupational Safety and Health Admin., Labor, 29 CFR 1910.1200(e)(3). It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED with respect to such information.

MATERIAL SAFETY DATA SHEET

FOR POWDER '7' of
Eu-Test-It[™] Base Metal Identification Kit

EUTECTIC CORPORATION

40-40 172nd Street
Flushing, N.Y. 11358
Information Phone Number: (800) 221-1433

msmm07.wps

SECTION I. IDENTIFICATION OF PRODUCT

Product Name: Powder '7'
Use: In *Eu-Test-It*[™] Base Metal Identification Kit
Size: .05 oz. or .15ml

SECTION II. HAZARDOUS MATERIALS

D-Ethylxanthic Acid, Potassium Salt

CAS NO: 140-89-6
OSHA PeL (mg/m³): Unkn
ACGIH TLV (mg/m³): Unkn
Formula: C₃H₆OS₂.

Used in Product "Chemical Kit"

Synonym or Cross Reference: Carbondithiothic Acid, D-Ethyl Ester, Potassium Salt, Xanthic Acid

Carcinogen: No

SECTION III. PHYSICAL DATA

Appearance: Light yellow powder with an unpleasant odor.
Melting Point: 210 C (DEC)

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A (closed cup) Extinguishing Media: Use water spray. Carbon dioxide, dry chemical powder or appropriate foam.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Move exposed container from container from fire area if it can be done.

Unusual Fire and Explosion Hazard: Emits toxic fumes under fire conditions.

SECTION V. HEALTH HAZARD

Nature of Hazard: Irritant. Irritating to eyes, respiratory system and skin. Unpleasant odor. Keep tightly closed.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable gloves, and eye/face protection.

Acute Effects: May be harmful by inhalation, ingestion, or skin absorption. Causes eye and skin irritation.

Material is irritating to mucous membranes and upper respiratory tract.

Exposure can cause nausea, headache, and vomiting.