

HIGH-PURITY STANDARDS

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MATERIAL SAFETY DATA SHEET

HPS Certified Reference Material Trace Metals in Soybean Oil
CRM-TMSO

Issue Date: 10-17-06

SECTION I - Product Identification/Hazardous Ingredients _____

Formula: N/A Concentration: N/A Molecular Weight: N/A

TSCA: YES CAS NO: 8016-70-4

Component: 0.1% Multielements in balance Soybean Oil TLV/TWA: 8 hr; Not Established

STEL: N/A PEL: N/A Toxicity: N/A

SECTION II - Physical/Chemical Characteristics _____

Boiling Point: N/A Vapor Pressure (mm): N/A Vapor Density (air+1): N/A

Freezing Point: N/A Specific Gravity: N/A Solubility in H₂O: Insoluble

SECTION III - Fire and Explosion Hazard Data _____

Flash Point: >500°F Auto Ignition Temperature: >500°F Lower Explosion Level: N/A

NFPA - Rating: 1,1,0 Extinguishing Media: Use appropriate

Special Fire-Fighting Procedures: Use dry chemical, foam or carbon dioxide.

Unusual Fires Explosion Hazards: Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

Toxic Gases Produced: N/A

SECTION IV - Reacting Data

Unstable : ()

Stable: (X)

Conditions to Avoid: Avoid contact with strong oxidants such as liquid chlorine, conc. oxygen, sodium hypochlorite or calcium hypochlorite.

Incompatibles: Strong oxidizing agents

Hazardous Decomposition: N/A

SECTION V - Health Hazard Data

Routes of Entry: Inhalation, eye contact, skin contact, ingestion

Signs and Symptoms of Exposure: Prolonged or repeated skin contact may cause skin irritation.

Medical Conditions Generally Aggravated by Exposure: None recognized

Carcinogenicity: NTP: Yes (Ni) IARC: Yes (Ni) OSHA reg: Yes (Ni, Pb)

Emergency First Aid Procedures: CALL A PHYSICIAN; If swallowed, do not induce vomiting, if conscious give water, milk. In case of contact, flush eyes or skin with plenty of water.

SECTION VI - Precautions for Safe Handling and Use

Special Precautions: Keep container tightly closed

In Case of Spill or Discharge: Recover with absorbent materials, avoiding skin contact. Place in proper containers for disposal. Keep product out of sewers and watercourses by diking or impounding.

Disposal Procedures: Follow Federal, State and Local regulations

SECTION VII - Protective Equipment

Respiratory Protection: None required.

Ventilation: Local Exhaust (X) Mechanical ()

Protective Gloves: None required

Eye Protection: Safety glasses with side shields

Other: Lab coat/apron; vent hood

NOTICE

The data and information as stated was furnished by the manufacturer of the product. HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel only. The responsibility for the safe handling and use of these products rest solely with the buyer and/or user. Theodore C. Rains, Ph.D. 10-17-06.