



Rio Grande Albuquerque, Inc.
6901 Washington NE
Albuquerque, New Mexico 87109

Material Safety Data Sheet
Material/Trade Name: MATTS CASTING FLUX
Stock Number: 704-099, 115

EMERGENCY NUMBER ONLY
PLEASE NOTE: THIS 24 HOUR NUMBER IS LOCATED
IN A HOSPITAL EMERGENCY ROOM. ONLY MEDICAL
INFORMATION IS AVAILABLE. REFERENCE IS MADE
BY RIO GRANDE STOCK NUMBER.
EMERGENCY TELEPHONE NO:
(505) 823-8080

Section I Identification

Material/Trade Name **Matts Casting Flux**
Stock Number 704-099, 115
Synonyms Mixture

Nonemergency Telephone No. (505) 345-8511
Date Prepared 3-6-87

Section II Ingredients/Identity Information

Component (Synonym)	CAS No.	TLV	PEL	Other
Sodium Tetraborate Anhydrous	001-318-339	1 mg/m ³ *	1 mg/m ³ *	None
Ludox CL-x (Colloidal silica)	7631-86-9	10 mg/m ³	20 mp pcf	None
Sodium Carbonate	497-19-8	None	None	None

*As sodium borate salt

Section III Physical Properties

Boiling Point: Not Available
Vapor Pressure (mm Hg): Not Available
Vapor Density (Air = 1): Not Available
Solubility in Water: Not Available
Appearance and Odor: Odorless, white powder
Specific Gravity: Greater than one
Melting Point: Not Available
Evaporation Rate: Not Available
Volatility: Not Available

Section IV Fire and Explosion Hazard Data

Flash Point: Not Available
Auto Ignition Temperature: Not Available
Extinguishing Media: Not flammable, Extinguishing media dependent upon material involved in fire.
Special Fire-Fighting Procedures: Firefighters should wear full turnout gear and SCBA.
Unusual Fire and Explosion Hazards: None known
Flammable Limits
LEL: Unknown UEL: Unknown

Section V Reactivity Data

Stable? Yes Conditions to Avoid: Freezing
Incompatibility (Materials to Avoid): Acids
Hazardous Decomposition or Byproducts: Oxides of carbon
Hazardous Polymerization may occur? No Conditions to Avoid: None known



Section VI Health Hazard Data

Primary Routes of Exposure: Inhalation, eye and skin contact

Acute Signs and Symptoms of Overexposure:

Irritating to the eyes, skin and respiratory tract. Overexposure may result in nausea, vomiting, diarrhea, coughing, irregular heartbeats, skin rash, dizziness, wheezing, and shortness of breath.

Chronic Signs and Symptoms of Overexposure:

Dry skin, skin ulcers, stomach disturbances and possible lung fibrosis (silicosis) which is characterized by labored breathing, limited lung capacity and expansion, coughing, shortness of breath, fatigue, cyanosis, loss of appetite and death.

Carcinogenicity? No Listed in: None known

Medical Conditions Generally Aggravated by Exposure: None known

First-Aid Procedures

Eye: Hold eyelids open and flush eyes for 15 minutes with large quantities of water. Seek medical attention.

Skin: Wash area with soap and water. Seek medical attention.

Inhalation: Remove to fresh air. Restore breathing if required. Seek medical attention.

Ingestion: If victim is conscious, give several glasses of water and induce vomiting. Seek medical attention immediately.

Section VII Precautions for Safe Handling and Use

Actions to Take for Spills:

Provide adequate ventilation, avoid generating dust, sweep or scoop up paste. Protect against overexposure.

Waste Disposal:

Dispose of via a licensed disposal firm.

Precautions to be Taken in Handling and Storage:

Store in closed containers in a cool, dry, well ventilated area.

Other Precautions:

Avoid contact with acids.

Section VIII Employee Protection Measures

Ventilation: Local ventilation is preferred to meet TLV requirements. General ventilation is acceptable if exposure is maintained below TLV.

Respiratory Protection: When airborne concentrations exceed TLV or are unknown, use a NIOSH/MSHA approved respirator for dust in accordance with OSHA respiratory protection requirements (29 CFR 1910.134).

Eye Protection: Chemical/Splash goggles

Protective Gloves: Rubber Gloves

Other Protective Equipment: Coveralls

Work/Hygiene Practices: Eyewash station should be available in areas of use.