

MATERIAL SAFETY DATA SHEET

SUPER FLUX

1 - IDENTIFICATION

Manufacturer: KerrLab
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867
Telephone: 1-800-KERR-123
24-Hour Emergency: Chemtrec 1-800-424-9300
International 1-703-527-3887
Date Prepared: September 6, 2005

2 - COMPOSITION INFORMATION

Hazardous Ingredients

This product contains no hazardous components as defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Other Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Borax	1303-96-4	N/A	5 mg / m ³	98
Proprietary Additive	proprietary	N/A	N/A	2

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: ND
Specific Gravity (H₂O = 1): 1.17
Vapor Pressure (mm Hg): ND
Vapor Density (AIR = 1): ND
Melting Point: 144 °F
Solubility in Water: @ 77 °F 4.7% by weight
Appearance and Odor: Grey powder, slight odor
pH: 1% solution, 9.2
Evaporation Rate: (Butyl Acetate=1) N/A
Percent Volatile by Volume: Nil

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Non-flammable
Flammable Limits: LEL: N/A UEL: Non-flammable
Extinguishing Media: As appropriate for surrounding fire.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: None

5 - REACTIVITY DATA

Stability: Stable
Incompatibility (Material to Avoid): Strong reducing agents and alkali metals
Hazardous Decomposition Byproducts: None
Hazardous Polymerization: Will not occur

6 - HEALTH HAZARD DATA

Routes of Entry:

ACUTE

Skin: Product does not cause irritation to intact skin.
Eyes: Product is non-irritating to eye in normal use.
Inhalation: May cause occasional mild irritation effects to nose and throat at dust levels greater than 10 mg/m³
Ingestion: May cause gastrointestinal symptoms

CHRONIC

Skin: None

Inhalation: None

Signs and Symptoms of Exposure: Symptoms of accidental ingestion may include nausea, vomiting and diarrhea. Symptoms of over-exposure to the skin may be redness and peeling.

Aggravated Medical Conditions: Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure to this product

Carcinogenicity -

NTP: No

IARC Monographs: No

OSHA Regulated Carcinogen: No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: No treatment is necessary. If exposed, wash skin with soap and water. Get medical attention if irritation occurs.
Eyes: Flush with water for at least 15 minutes including under eyelids. Get medical attention.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. If discomfort persists, contact a physician.

Ingestion: Give large quantities of water or milk if available. Get medical attention

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Collect large spills for disposal. Flush small spills with water.

Waste Disposal Method: Dispose per all federal, state, and local regulations.

Precautions to be taken in handling and storing: Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling.

Other Precautions: Use only according to directions. Protect container from physical damage and store in a cool dry area. Do not transfer product into an unmarked container.

9 - CONTROL MEASURES

Respiratory Protection: If exposure exceeds occupational exposure limits use a NIOSH/MSHA approved respirator following manufacturers recommendations where dust may be generated.

VENTILATION:

Use only with ventilation sufficient to prevent exceeding recommended exposure limit. Use corrosion-proof equipment.

Eye Protection: Use chemical resistant glasses or goggles

Skin Protection: Use chemical resistant clothing to prevent undue bodily contact.

Additional Protective Measures: Eye wash and safety shower.

10 - TRANSPORTATION INFORMATION

Not DOT Regulated

11 - SPECIAL INFORMATION

HMS (Hazardous Material Identification System) Rating:

H1 F0 R0

[HMS Hazard Index: 4 – Severe Hazard; 3 – Serious Hazard;

2 – Moderate Hazard; 1 – Slight Hazard; 0 – Minimum Hazard]

Note: This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information contained in this MSDS is, to the best of our knowledge, believed to be accurate.