



Material Safety Data Sheet

I- Production Identification

Company Name: Strait-Flex International, Inc.
Phone number: (636)300-1411
Toll-free: (888)747-0220
Fax number: (636)300-0414
Product Name: SUPERBOND
Chemical Name and Formula: UCAR™ LATEX 446
Uses: Strengthening agent for drywall mud

II- Hazardous Identification

Emergency Overview:

Appearance: White
Physical State: Liquid
Odor: Mild
Hazards of product: WARNING! VAPOR MAY BE HARMFUL IF INHALED. MAY CAUSE SKIN IRRITATION.

III-Physical Data

Boiling Point (760 mm HG): 100°C-212°F
Specific Gravity (H₂O = 1): 1.1
Vapor Pressure (MM HG): 2.4kPa 18 mmHG
Vapor Density (Air=1): 0.6
Evaporation Rate (=1): 0.8
Solubility in Water (* by WT): Completely miscible
Melting Point: N/A
Appearance: White
Physical State: Liquid
Freezing Point: 0°C 32°F
pH: 6 Approx.
Odor: Mild
Dynamic Viscosity: 600 cps Approx.

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IV- Fire and Explosion Hazard

Flash Point (Closed Cup):	N/A
Flash Point (Open Cup):	N/A
Flammable Limits in Air:	Lower not determined, Aqueous System Upper not determined, Aqueous System.
Extinguishing Media:	Non-flammable (aqueous solution): After water evaporated, remaining material will burn. Apply alcohol-type or all-purpose-type foam by manufacturers' recommended techniques for large fires. Use water spray, carbon dioxide or dry chemical media for small fires.
Autoignition Temperature:	Not currently available.

Hazardous Combustion Procedures:

Burning can produce the following products: Carbon monoxide and carbon dioxide. Carbon monoxide is highly toxic if inhaled. Carbon dioxide in sufficient concentrations can act as an asphyxiant.

Unusual Fire and Explosion Hazards:

Product will not burn but may spatter if temperature exceeds boiling point of water.

Special Protective Equipment for Firefighters:

Use self-contained breathing apparatus when fighting fires in enclosed areas.

V- Health Hazard Data

Potential Health Effects:

Effects of Single Acute Overexposure

Inhalation:	May cause irritation of the respiratory tract, experienced as burning sensation of eyes, nose, and throat, sneezing, coughing, and nausea.
Eye Contact:	Liquid may cause discomfort in the eye with slight excess redness and possibly swelling of the conjunctiva.
Skin Contact:	Brief contact is not irritating. Prolonged contact, as from clothing wet with the

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Skin Absorption: material may cause mild irritation, experienced as discomfort, and seen as local redness.
No evidence of harmful effects from available information.

Swallowing: No evidence of harmful effects from available information.

Chronic, Prolonged or Repeated Overexposure:

Effects of Repeated Overexposure: No adverse effects anticipated from available information.

Other Effects of Overexposure: None currently known.

Medical Conditions Aggravated by Exposure:

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggest that overexposure is unlikely to aggravate existing medical conditions.

Potential Environmental Effects:

See Section 6 for Ecological Information.

Emergency and First Aid Procedures:

EYE: Immediately flush eyes with water and continue washing for several minutes. Remove contact lenses, if worn. Obtain medical attention.

SKIN: Remove contaminated clothing. Wash skin with soap and water. If irritation persists or if contact has been prolonged, obtain medical attention.

INHALATION: Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given by qualified personnel if necessary. Call a physician.

INGESTION: No harmful effects expected.

NOTES TO PHYSICIAN: Toxicology studies have shown similar material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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VI- Ecological Information

Ecological Toxicity

Toxicity to Micro-organisms

IC50

Result value :>2000 mg/l

Toxicity to Aquatic Invertebrates

Daphnia; EC50

Result value :>1000 mg/l

Toxicity to Fish

Fathead Minnow; LC50

Result value: 1000mg/l

Other Acute Toxicity Information

Peroral

Rat; LD50=>2000 mg/kg

Percutaneous

Rat; LD50=>2000 mg/kg

VII – Reactivity Data

Conditions Contributing to Instability	Stable
Inhibitors/Stabilizers	N/A
Conditions Contributing to Hazardous Polymerization	will not occur

VIII – Disposal Considerations

Waste Disposal:

Incinerate in a furnace or otherwise dispose of in accordance with applicable Federal, State and local requirements. Dispose in accordance with all applicable Federal, State, and local environmental regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

Disposal Considerations:

Does not inhibit bacteria in waste treatment facilities. Polymer is not biodegradable. Product is not RCRA hazardous.

Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permissible under applicable rules, regulations and/or laws governing your location.