

GHS Safety Data Sheet

X-RAY FusionFlux®

SDS Number:

Revision Date: 2/27/2017

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Chemplex Industries, Inc.
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Palm City, FL 34990

Emergency:

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Product Name: X-Ray Fusion Flux®

Revision Date: 2/27/2017

Version: 1

Product Code: 30-1000

Recommended use: The flux fusion process is an effective and simple method for preparing powdered sample substances for XRF, ICP and AA analysis.

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HAZARDS IDENTIFICATION

Hazard Statement(s): None

Precautionary Statement(s): None

Principal Hazardous Component(s): None

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: 100% Lithium Tetra borate (Li₂B₄O₇)

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FIRST AID MEASURES

Inhalation: Remove to fresh air. If discomfort occurs and persists, obtain medical attention.
Skin Contact: Rinse with soap and water; if irritation occurs and persists, obtain medical attention.
Eye Contact: Flush with water for at least 15 minutes; if irritation occurs and persists, obtain medical attention
Ingestion: Obtain medical attention

5**FIRE FIGHTING MEASURES**

Extinguishing Media: Water, Foam, Carbon Dioxide, and/or Dry Chemicals

Fire Fighting Procedure: Not flammable. Use conventional fire-fighting measures that suit the surrounding fire

6**ACCIDENTAL RELEASE MEASURES**

Spill or Leak: Collect in a suitable container

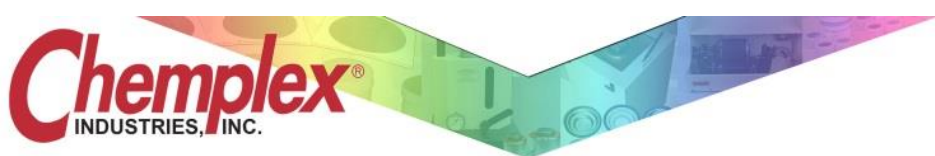
7**HANDLING AND STORAGE**

Handling Precautions: Wash hands thoroughly after handling

Storage Requirements: Store in a cool dry area; keep container covered

8**EXPOSURE CONTROL/PERSONAL PROTECTION**

This product could irritate nose and throat and may be toxic if ingested in large amounts. Acute exposure can cause vomiting, diarrhea, and ataxia. Central nervous system effects include slurred speech, blurred vision, dizziness; sensory loss, convulsions, and stupor have been reported. Ingestion or skin absorption of large amounts can cause intestinal irritation, kidney injury, depression, and drop in blood pressure. Effects of oral exposure to Lithium ion are well documented in the Medical Literature. Low toxicity is anticipated, except with voluntary overexposure. In such cases, standard protocols for over-dosage are suggested.



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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Crystalline Powder
Physical State: White Crystalline Powder
Odor Threshold: Odorless
Boiling Point: Not determined
pH: Not determined

Odor: None
Solubility: Slightly soluble in water
Flash Point: Not determined
Bulk Density: Not determined
Auto-Ignition Temp: Product is not self-igniting

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STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions
Chemical Stability: Stable under normal conditions
Conditions to Avoid: None
Materials to Avoid: Contact with combustible material may cause fire
Hazardous Decomposition: Metal oxide fume
Hazardous Polymerization: No dangerous reactions known

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TOXICOLOGICAL INFORMATION

Not considered toxic; may cause some nausea if swallowed

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ECOLOGICAL INFORMATION

No further relevant information available

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DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state, federal, and EPA regulations

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TRANSPORT INFORMATION

Not regulated as Dangerous Goods by any Agencies

15**REGULATORY INFORMATION**

Component (CAS#) [%] – CODES

Polyethylene Glycol (25322-68-3) [] TSCA

Galactopyranosyl (63-42-3) [] TSCA

Boric Acid (10043-35-3) [0-5%] TSCA

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

16**OTHER INFORMATION**

The information in this SDS pertains only to the product as shipped.

This information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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