

# Safety Data Sheet

## 1. Product and Company Identification

**Product Name** : FLUXITE<sup>®</sup>  
**Catalog Number** : GF-35-5I  
**Company Information** : PREMIER Lab Supply, Inc.  
 691 NW Enterprise Drive  
 Port St Lucie, FL 34986 USA  
**Date Issued** : JULY 2014  
**Emergency Phone Number** : 772-873-1700  
**Business Phone Number** : 772-873-1700  
**Fax Number** : 772-873-1800

## 2. Hazard Identification

### Emergency Overview:

#### Hazard Classification:

Category 2 : Skin Irritation  
 Category 2A : Eye Irritation  
 Category 3 : Specific target organ toxicity- single exposure

#### Safety Label Elements



#### Pictogram

#### Signal Word

Warning

#### Hazard Statements

H315 : Causes skin irritation  
 H319 : Causes serious eye injury  
 H335 : May cause respiratory irritation

#### Precautionary Statements

P261 : Avoid breathing dust, fume, gas, mist  
 P305, P351, P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing.

Category	HMIS Classification	NFPA Rating
Health Hazard	1	1
Fire/Flammability	0	0
Physical Hazard	0	-
Reactivity Hazard	-	0

## 3. Composition/Information on Ingredients

Ingredients	CAS Number	EC Number	Weight Percent
Dilithium Tetraborate	12007-60-2	234-514-3	35.3
Lithium Metaborate	13453-69-5	234-514-3	64.7
Lithium Iodide	10377-51-2	233-822-5	0.5

#### 4. First Aid Measures

**General Advice:**

Seek immediate medical advice with the copy of the label and MSDS. Move out of dangerous area.

**After Inhalation:**

Supply fresh air. If required, provide artificial respiration. Seek immediate medical advice.

**After Skin Contact:**

Wash with soap and water and rinse thoroughly. Seek immediate medical advice.

**After Eye Contact:**

Rinse opened eye for at least 15 minutes under running water. Seek immediate medical advice.

**After Swallowing:**

Do not induce vomiting. Seek immediate medical advice. Rinse mouth with water.

#### 5. Fire-Fighting Measures

**Suitable Extinguishing Agents:** Use water spray, dry chemicals or carbon dioxide

**Protective Equipment:** Wear self-contained respirator and fully protective impervious suit.

**Hazardous Combustion Products:** Under Fire Conditions Form - Borane/Boron Oxides, Lithium Oxides

#### 6. Accidental Release Measures

**Person Precautions:**

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

**Environmental Protection:**

Do not allow material to be released to the environment without proper governmental permits.

**Methods and Materials for Containment and Cleanup:**

Pick up and arrange disposal without creating dust. Keep in suitable closed container for disposal.

#### 7. Handling and Storage Measures

**Precautions for Safe Handling:**

Avoid contact with skin and eyes. Avoid dust and aerosol formation. Ensure good ventilation.

**Condition for Safe Storage:**

Store in cool, dry place in tightly closed containers. Hygroscopic. Moisture sensitive.

#### 8. Exposure Controls and Personal Protection

**Control Parameters:**

Contains no substances with occupational exposure limit values

**Personal Protective Equipment:**

**Respiratory Protection:** For nuisance exposure use dust mask. Use masks and respirators tested and approved under appropriate government standards.

**Hand Protection:** Handle with gloves. Inspect gloves before use. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye Protection:** For eye protection use safety glasses or face shield. Use masks and respirators tested and approved under appropriate government standards.

**Skin and Body Protection:** The type of equipment must be selected according to the concentration and amount the dangerous substance at the specific workplace.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 9. Physical and Chemical Properties

<b>Appearance</b>	:	Crystalline Powder
<b>Odor</b>	:	Odorless
<b>Odor Threshold</b>	:	No Data Available
<b>pH</b>	:	No Data Available
<b>Melting Point/Freezing Point</b>	:	825° C
<b>Boiling Point</b>	:	No Data Available
<b>Flash Point</b>	:	Not Applicable
<b>Evaporation Rate</b>	:	No Data Available
<b>Explosion Limits(Upper/Lower)</b>	:	No Data Available
<b>Vapor Pressure</b>	:	No Data Available
<b>Vapor Density</b>	:	No Data Available
<b>Relative Density</b>	:	1.2 g/cm <sup>3</sup> at 25°C (77°F)
<b>Solubility</b>	:	No Data Available
<b>Partition Coefficient</b>	:	No Data Available
<b>Auto-Ignition Temperature</b>	:	No Data Available
<b>Decomposition Temperature</b>	:	No Data Available
<b>Viscosity</b>	:	No Data Available

### 10. Stability and Reactivity

<b>Chemical Stability</b>	:	Stable under recommended storage conditions
<b>Possibility of Hazardous Reactions</b>	:	No Data Available
<b>Condition to Avoid</b>	:	Avoid Moisture
<b>Incompatible Materials</b>	:	Acid anhydrides
<b>Hazardous Decomposition Products</b>	:	Borane/Boron Oxides, Lithium Oxides

### 11. Toxicological Information

<b>Acute Toxicity:</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Other information of acute toxicity</b>
Dilithium Tetraborate	No Data Available	No Data Available	No Data Available
Lithium Metaborate	No Data Available	No Data Available	No Data Available
Lithium Iodide	No Data Available	No Data Available	No Data Available

<b>Skin corrosion/irritation</b>	:	No Data Available
<b>Serious eye damage/eye irritation</b>	:	No Data Available
<b>Respiratory or skin sensitization</b>	:	No Data Available
<b>Germ Cell mutagenicity</b>	:	No Data Available
<b>Carcinogenicity</b>	:	No classification data of levels greater than or equal to 0.1% on carcinogenic properties of this material is available from the IARC, NTP, OSHA or ACGIH.
<b>Reproductive toxicity</b>	:	No Data Available
<b>Teratogenicity</b>	:	No Data Available
<b>Specific target organ toxicity – single exposure</b>	:	May cause respiratory irritation
<b>Specific target organ toxicity – repeated exposure</b>	:	No Data Available
<b>Aspiration Hazard</b>	:	No Data Available
<b>Synergistic Effects</b>	:	No Data Available
<b>Additional Information</b>	:	RTECS: Not available

## 12. Ecological Information

**Toxicity** : No Data Available  
**Persistence and Degradability** : No Data Available  
**Bioaccumulation potential** : No Data Available  
**Mobility in Soil** : No Data Available  
**Other Adverse effects** : No Data Available

## 13. Disposal Considerations

**Product** : Contact a licensed professional waste disposal service to dispose.  
**Contaminated packaging** : Dispose of as unused product

## 14. Transportation Information

**DOT** : Not dangerous goods  
**IMDG** : Not dangerous goods  
**IATA** : Not dangerous goods

## 15. Regulatory Information

Chemical Name	SARA 302	SARA 313	SARA 311/312 Hazards
Dilithium Tetraborate	NO	NO	Acute Health Hazard, Chronic Health Hazard
Lithium Metaborate	NO	NO	NONE
Lithium Iodide	NO	NO	NONE

**Right to Know Act** :

Massachusetts	Pennsylvania	New Jersey	California
Not subject to Right to Know Act	Dilithium Tetraborate	Dilithium Tetraborate	Does not contain chemical known to State of California to cause cancer, birth defects or any other reproductive harm
	CAS-No. 12007-60-2	CAS-No. 12007-60-2	
	Lithium Iodide	Lithium Iodide	
	CAS-No. 10377-51-2	CAS-No. 10377-51-2	

## 16. Other Information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with the Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.