



**International Fireproof Technology Inc.**  
The Ultimate in Firestop Solutions and Fire Protective Coatings

**INCA**® [www.painttoprotect.com](http://www.painttoprotect.com)  
949-975-8588

17528 Von Karman Ave. Irvine, CA 92614

## Safety Data Sheet – Intumescent Strip INFS0812

### 1. Product and Company Identification

Product: Intumescent Strip

Product Code: INFS0812

Recommended use and restrictions on use: For firestop use.

Company: International Fireproof Technology, Inc.  
17528 Von Karman Ave. Irvine, CA 92614

Office: 949-975-8588

Emergency Telephone Number: CHEMTREC 1-800-424-9300

### 2. Hazards Identification

**Hazard classification:** Carcinogenicity Cat. 2A.



**Pictogram :**

**Signal words :** Warning

**Hazard statement:**

May cause eyes, skin or inhalation irritation. Suspected of causing cancer.

**Precautionary statement :**

Prevention: Keep out of reach of children. Wash hands thoroughly after handling.

Response : May cause skin irritation. Eye contact may cause eye irritation. Get medical attention if you feel unwell. Persons with pre-existing skin conditions or chemical allergies may be more susceptible to contact effects of the cured elastomer.

Storage: Store locked up

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations

**Supplemental label elements :**

WARNING: This product contains chemicals known to the State of California

to cause cancer and birth defects or other reproductive harm.

**FOR INDUSTRIAL USE ONLY.**

Hazards not otherwise classified : None known.

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**3. Composition/Information on Ingredients**

Mixture:

<u>Hazardous Ingredient</u>	<u>CAS No.</u>	<u>Percent (By weight)</u>
Borax	1303-96-4	1-5
Melamine	108-78-1	1-10
Red phosphorous	7723-14-0	1-3
Pentaerythritol	115-77-5	1-8
Zinc borate	138265-88-0	2-10

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**4. First Aid Measures**

- Inhalation : Not a respiratory irritant. But avoid breathing dust when cutting. If breathing difficulties experienced while machining remove to fresh air and seek medical attention.
- Ingestion : It is not normally considered the products will be ingested, but if small quantities are ingested, seek medical attention. Do not induce vomiting because of risk of aspiration into lungs. Never give anything by mouth to an unconscious person.
- Skin Contact : Wash with soap and water. If irritation occurs, seek medical attention.
- Eye Contact : Immediately flush with large amounts of water. If irritation occurs, seek medical attention.

**Potential acute health effects :**

- Inhalation : N/A
- Ingestion : May be irritating to mouth, throat and stomach.
- Skin contact : No known significant effects or critical hazards.
- Eye contact : Causes eye irritation.
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**5. Fire Fighting Measures**

Suitable extinguishing media : Foam, dry chemical, carbon dioxide or water fog.

Specific hazards arising from the chemical : --

Hazardous thermal decomposition products: Decomposition of this product under fire conditions can produce carbon monoxide, carbon dioxide, nitrogen oxide and smoke.

Special protective actions for fire-fighters: -

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus (SCBA) and other protective clothing.

## 6. Accidental Release Measures

Personal Precautions: Pick up debris to prevent trip hazard.

Environmental Precautions:-

Cleaning Up: Normal cleaning process.

## 7. Storage and Handling

Storage:

Store the strip in the original packing carton in a cool dry place. Keep away from excessive heat or ignition source. Store unused product on a fully supported, smooth level foundation to avoid damage and distortion or abrasion.

Handling:

If significant quantity of cutting dust are liable to be deposited on their clothing. Clothes should be washed after work.

Keep out of reach of children. Wash thoroughly after handling.

## 8. Exposure Controls/Personal Protection

Ingredient	Regulatory Code	Classification
Borax	ACGIH TLV (United States, 5/2006)	TWA: 2 mg/m <sup>3</sup> 8 hours.
	OSHA PEL (United States, 5/2006)	TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust
	Cal. OSHA PEL (5/2006)	TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Total dust
Melamine	AIHA WEEL (United States, 10/2011)	TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Inhalable
		TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable
Pentaerythritol	NIOSH REL (United States, 10/2013)	TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total
	ACGIH TLV (United States, 4/2014)	T TWA: 10 mg/m <sup>3</sup> 8 hours.
	OSHA PEL (United States,	TWA: 5 mg/m <sup>3</sup> 8 hours.

	2/2013)	Form: Respirable Fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
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Appropriate engineering controls: Not required  
Environmental exposure controls: Not required

### **Individual protection measures**

Hygiene measures: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.  
Eye/face protection: None required

### **Skin protection**

Hand protection: None required  
Body protection: None required  
Other skin protection: None required  
Respiratory protection: None required

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## **9. Physical and Chemical Properties**

Appearance: Black ,Strip  
Odour: Mild odor  
PH: N/A  
Freezing Point: N/A  
Freeze Thaw Recovery: N/A  
Boiling Point: N/A  
Melting Point: N/A  
Flash Point: N/A  
Auto-Flammability: N/A  
Explosive Properties: N/A  
Relative Density: 1.35±0.05 g/cm<sup>3</sup>  
Solubility: Not soluble in water.

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## **10. Stability and Reactivity**

Stability: Stable under ordinary conditions of use and storage.  
Special Condition of Hazardous Reaction: N/A  
Conditions to Avoid : Heat, flames, high temperatures condition and direct sunlight.

Materials to Avoid	–
Hazardous decomposition products	Will emit smoke, CO, CO <sub>2</sub> when burned
Hazardous Polymerization :	Will not occur.

## 11. Toxicological Information

### Acute Toxicity:

Ingredient name	Result	Species	Dose	Exposure
Melamine	LD50 Oral	Rat	3161 mg/kg	---
Pentaerythritol	LD50 Oral	Rat	18500 mg/kg	---
Borax	LD50 Oral	Rat	4500mg/kg	---
Zinc Borate	LD50 Oral	Rat	>10000mg/kg	

### Irritation/Corrosion

Ingredient name	Result	Species	Score	Exposure	Observation
Melamine	Eyes : Mild irritant	Rabbit	---	24 hours 500 milligrams	---
Pentaerythritol	Skin : Mild irritant	Human	---	72 hours 300 Micrograms Intermittent	---
Borax	Skin: Mild irritant	Rabbit	---	72 hours > 2000mg/kg	

### Classification

Ingredient name	OSHA	IARC	NTP
Melamine	---	3	---
Pentaerythritol	---	2B	---
Borax	---	2A	---

### Specific target organ toxicity (single exposure)

Ingredient name	Category	Route of exposure	Target organs
Pentaerythritol	Category 3	Not applicable	Respiratory tract irritation and Narcotic effects

### Specific target organ toxicity (repeated exposure)

Ingredient name	Category	Route of exposure	Target organs
Pentaerythritol	Category 2	Not determined	Respiratory tract irritation and Narcotic effects

## 12. Ecological Information

### Toxicity :

Ingredient name	Result	Species	Exposure
Melamine	Acute EC50 33600000 µg/l Fresh water	Daphnia – Daphnia magna	48 hours
Pentaerythritol	Acute LC50 >1000000 µg/l Marine water	Fish – Fundulus heteroclitus	96 hours
Borax	Acute LC50 =74000 µg B/l Sea-water	Dab, Limanda	96 hours

Persistence and degradability : –

Bioaccumulative potential :

Product/ingredient name	Log Pow	BCF	Potential
Melamine	---	<3.8	low
Pentaerythritol	---	1.26	low
Borax	-0.757@25°C	---	---

Mobility in soil : –

other adverse effect : –

### 13. Disposal Considerations

Dust from the products when cutting should be removed by vacuum. All dust and hard waste should be collected and placed in double impermeable, heavy gauge polythene sacks or bags which should be then sealed. Such waste must be disposed of at an authorized waste disposal site. Off-cuts should be disposed of in the same manner.

Any waste should be incinerated in a suitable facility or disposed of on an approved land fill site, provided by the Local Government.

### 14. Transport Information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name					
Transport hazard class(es)					
Packing group					
Environmental hazards	No	No	No	No	No
Additional information	Special provisions Not Applicable	Special provisions Not Applicable	Special provisions Not Applicable	Special provisions Not Applicable	Special provisions Not Applicable

Ingredient	CAS No.	Regulatory Code	Classification
Borax	1303-96-4	CAWAST IARG2A  WHMHAZ  WMPR	California Hazardous Waste IARC - Group 2A - Probably Carcinogenic to Humans WHMIS - Canada Hazardous Chemicals List of WM Priority Chemicals Feb 2014
Pentaerythritol	115-77-5	WHMHAZ	WHMIS - Canada Hazardous Chemicals
Melamine	108-78-1	WHMHAZ	WHMIS - Canada Hazardous Chemicals
Red phosphorus	7723-14-0	CAWAST S313T SAREHS  WHMHAZ  WMPR	California Hazardous Waste SARA313-Emissions Reporting CERCLA/SARA Extremely Hazardous Substances WHMIS - Canada Hazardous Chemicals List of WM Priority Chemicals Feb 2014
Zinc Borate	138265-88-0	CAWAST S313T	California Hazardous Waste SARA313-Emissions Reporting

Specific precautions for user : N/A

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## 15. Regulatory Information

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## 16. Other Information

The information described herein will be revised in accordance with new knowledge. Although the information stated herein is based on our latest knowledge, they are not to be construed as guarantee of the completeness or correctness of the information. It is necessary to have scrupulous caution for handling since all kinds of chemicals. Any decision on this product for fitness/compatibility shall make responsible personnel of user.

**Revision Information: 8/12/2015**

**Prepared by: International Fireproof Technology Inc.**

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