



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

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

## Safety Data Sheet – Firestop Collar SSCI

### 1. Product and Company Identification

Product: Firestop Collar

Product Code: SSCI

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.

**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                       |

**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.

**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                      Wear self-contained breathing apparatus (SCBA) and other  
equipment for fire-fighters: 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 firestop collar in the original packing carton in a cool dry place.

Keep away from excessive heat or ignition source.

Handling:

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.<br>Form: Total dust                                                                   |
|                 | Cal. OSHA PEL (5/2006)             | TWA: 5 mg/m <sup>3</sup> 8 hours.<br>Form: Total dust                                                                    |
| Melamine        | AIHA WEEL (United States, 10/2011) | TWA: 10 mg/m <sup>3</sup> 8 hours.<br>Form: Inhalable                                                                    |
|                 |                                    | TWA: 5 mg/m <sup>3</sup> 8 hours.<br>Form: Respirable                                                                    |
| Pentaerythritol | NIOSH REL (United States, 10/2013) | TWA: 5 mg/m <sup>3</sup> 10 hours.<br>Form: Respirable fraction<br>TWA: 10 mg/m <sup>3</sup> 10 hours.<br>Form: Total    |
|                 | ACGIH TLV (United States, 4/2014)  | T TWA: 10 mg/m <sup>3</sup> 8 hours.                                                                                     |
|                 | OSHA PEL (United States, 2/2013)   | TWA: 5 mg/m <sup>3</sup> 8 hours.<br>Form: Respirable Fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hours.<br>Form: Total dust |

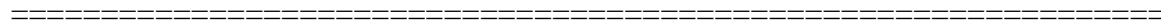
Appropriate engineering controls:                      Not required  
Environmental exposure controls:                      Not required

### 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

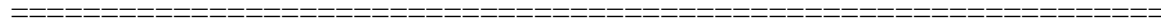
**Skin protection**

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



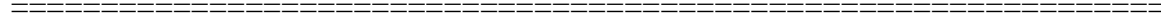
**9. Physical and Chemical Properties**

Appearance: Metal collar with 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: N/A  
 Solubility: Not soluble in water.



**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, CO2 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 :<br>Mild irritant | Rabbit  | ---   | 24 hours 500 milligrams              | ---         |
| Pentaerythritol | Skin :<br>Mild irritant | Human   | ---   | 72 hours 300 Micrograms Intermittent | ---         |
| Borax           | Skin:<br>Mild irritant  | Rabbit  | ---   | 72 hours<br>> 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<br>Fresh water  | Daphnia –<br>Daphnia magna      | 48 hours |
| Pentaerythritol | Acute LC50 >1000000 µg/l<br>Marine water | Fish – Fundulus<br>heteroclitus | 96 hours |
| Borax           | Acute LC50 =74000 µg B/l<br>Sea-water    | Dab, Limanda                    | 96 hours |

Persistence and degradability : –Bioaccumulative potential :

| 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

Stainless steel should be recycled. Off-cuts should be collected and placed in double impermeable, heavy gauge polythene sacks or bags which should be then sealed. 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<br>Classification                   | TDG<br>Classification                      | Mexico<br>Classification                | IATA                                       | IMDG                                    |
|----------------------------------|-----------------------------------------|--------------------------------------------|-----------------------------------------|--------------------------------------------|-----------------------------------------|
| UN number                        | Not regulated                           | Not regulated                              | Not regulated                           | Not regulated                              | Not regulated                           |
| UN proper<br>shipping name       |                                         |                                            |                                         |                                            |                                         |
| Transport<br>hazard<br>class(es) |                                         |                                            |                                         |                                            |                                         |
| Packing group                    |                                         |                                            |                                         |                                            |                                         |
| Environmental<br>hazards         | No                                      | No                                         | No                                      | No                                         | No                                      |
| Additional<br>information        | Special<br>provisions<br>Not Applicable | Special<br>provisions<br>Not<br>Applicable | Special<br>provisions<br>Not Applicable | Special<br>provisions<br>Not<br>Applicable | Special<br>provisions<br>Not Applicable |

Special precautions for user: N/A

### 15. Regulatory Information

| Ingredient      | CAS No.   | Regulatory<br>Code                         | Classification                                                                                                                                                        |
|-----------------|-----------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Borax           | 1303-96-4 | CAWAST<br>IARG2A<br><br>WHMHAZ<br><br>WMPR | California Hazardous Waste<br>IARC - Group 2A - Probably<br>Carcinogenic to Humans<br>WHMIS - Canada Hazardous<br>Chemicals<br>List of WM Priority Chemicals Feb 2014 |
| Pentaerythritol | 115-77-5  | WHMHAZ                                     | WHMIS - Canada Hazardous<br>Chemicals                                                                                                                                 |
| Melamine        | 108-78-1  | WHMHAZ                                     | WHMIS - Canada Hazardous<br>Chemicals                                                                                                                                 |

|                |             |                                                     |                                                                                                                                                                                         |
|----------------|-------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Red phosphorus | 7723-14-0   | CAWAST<br>S313T<br>SAREHS<br><br>WHMHAZ<br><br>WMPR | California Hazardous Waste<br>SARA313-Emissions Reporting<br>CERCLA/SARA Extremely Hazardous Substances<br>WHMIS - Canada Hazardous Chemicals<br>List of WM Priority Chemicals Feb 2014 |
| Zinc Borate    | 138265-88-0 | CAWAST<br>S313T                                     | California Hazardous Waste<br>SARA313-Emissions Reporting                                                                                                                               |

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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.**

**Phone Number: 949-975-8588**