



<p>Section 1 Identification <u>Product Name:</u> Tin Plating on metallic strip substrate <u>General:</u> Metal with Metal Additives <u>Formula:</u> Sn <u>C.A.S.:</u> 7440-31-5 <u>Health:</u> 0 <u>Flammability:</u> 0 <u>Reactivity:</u> 0 <u>Hazard</u> <u>Scale:</u> Least Slight Moderate High Extreme 0 1 2 3 4</p>	<p>Section 9 Physical & Chemical Properties <u>Melting Point:</u> 232°C <u>Boiling Point:</u> 2507° C <u>Vapor Pressure:</u> 1 @ 1609° C <u>Evaporation Rate:</u> N/A <u>Vapor Density:</u> Information not Available <u>Solubility in Water:</u> Dusts are insoluble <u>Evaporation Standard:</u> N/A <u>Auto Ignition Temperature:</u> N/A <u>Flash Point:</u> N/A <u>Lower Flammability Limit in Air:</u> N/A <u>Upper Flammability Limit in Air:</u> N/A <u>Appearance:</u> Silvery matte or bright finish over rigid or semi-rigid substrate.</p>												
<p>Section 2 Hazard(s) Identification Generally not hazardous in normal handling; however, good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation of dusts formed during cutting/grinding/etc.</p>	<p>Section 10 Stability and Reactivity <u>Stability:</u> Stable <u>Conditions to Avoid:</u> Moisture <u>Materials to Avoid:</u> Halogens, acids, sulfur, peroxides <u>Hazardous Decomposition Products:</u> None</p>												
<p>Section 3 Component Mixture</p> <table border="1" data-bbox="228 676 764 736"> <thead> <tr> <th>Component</th> <th>CAS #</th> <th>%</th> <th>Exposure Limits</th> </tr> </thead> <tbody> <tr> <td>Tin Metal</td> <td>7440-31-5</td> <td>99.99</td> <td>OSHA PEL 2mg/mf</td> </tr> <tr> <td>Plating Additive</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	Component	CAS #	%	Exposure Limits	Tin Metal	7440-31-5	99.99	OSHA PEL 2mg/mf	Plating Additive	N/A	N/A	N/A	<p>Section 11 Toxicological Information <u>Acute oral effects:</u> No data available <u>Acute skin effects:</u> No data available <u>Acute inhalation effects:</u> No data available <u>Second rank acute toxicity:</u> No data available <u>Chronic effect:</u> No data available <u>Mutagenicity:</u> No data available <u>Next generation effect (teratogenicity):</u> No data available <u>Carcinogenicity:</u> Not prescribed by Industrial Safety Health Act <u>Other:</u> No data available</p>
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Tin Metal	7440-31-5	99.99	OSHA PEL 2mg/mf										
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<p>Section 4 First Aid Measures <u>Skin</u> - Mild Irritant; wash exposed area with soap and water. If irritation develops, seek medical attention. <u>Eyes</u> - Mild Irritant; wash eyes exposed to dust with plenty of water for at least 15 minutes, lifting eyelids occasionally. Seek medical attention. <u>Inhalation</u> - Irritant; remove to fresh air if exposed to excessive dust. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. <u>Ingestion</u> - Irritant to mucous membrane; give several glasses of milk or water. Vomiting may occur spontaneously, but, it is not necessary to induce. Never give anything by mouth to an unconscious person.</p>	<p>Section 12 Ecological Information <u>Ecotoxicity:</u> No data available <u>Soil mobility:</u> No data available <u>Environmental absorption and degradation:</u> No data available <u>D. Probable accumulation in animal bodies:</u> No data available</p>												
<p>Section 5 Fire Fighting Measures <u>Fire Extinguisher Type:</u> Special powder or dry sand; DO NOT USE WATER! <u>Fire/Explosion Hazards:</u> Dusts at sufficient concentrations can form explosive mixtures with air. <u>Fire Fighting Procedure:</u> Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothes.</p>	<p>Section 13 Disposal Considerations <u>Regulations on disposal management:</u> Not regulated <u>Disposal method:</u> Follow applicable regulations <u>Special notice on disposal:</u> No particular notice</p> <p>Section 14 Transport Information Not regulated</p>												
<p>Section 6 Accidental Release Measures Sweep up and place in suitable containers for reclamation or later disposal per Federal, State, and Local regulations..</p>	<p>Section 15 Regulatory Information <u>Regulations prescribed by Industrial Safety and Health Act:</u> No data available <u>Regulations prescribed in other laws related to chemical matter management such as Hazardous Chemical Matter Act:</u> No data available <u>Regulations by other countries:</u> No data available</p>												
<p>Section 7 Handling and Storage Store in a cool, dry, well ventilated area. Keep away from heat and flame. Do not get dusts in eyes, on skin, or on clothing.</p>	<p>Section 16 Other Information <u>Effects of overexposure, Acute and Chronic:</u> Edges of base material may cause cuts to unprotected skin, no other effects expected to skin. Prolonged inhalation of dust or fume may result in a benign pneumoconiosis, producing distinctive changes in the lungs with no apparent disability or complications.</p>												
<p>Section 8 Exposure Controls/ PPE <u>Respiratory Protection:</u> NIOSH approved dust mask. <u>Hand Protection:</u> Gloves to prevent skin exposure. <u>Eye Protection:</u> Appropriate safety glasses/goggles.</p>	<p>The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warrantee is expressed or implied regarding the completeness or accuracy of this information, whether originating from Selective Plating Inc. or from an alternative source. Users of this material should satisfy themselves by independent investigation of current scientific and medical information that this material may be safely handled.</p>												

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