

# Safe Use Instruction: Cadmium Plating and Cadmium Compounds

**Substance: Cadmium (Plating)**  
**CAS Number: 7440-43-9**

**Substance: Cadmium Chloride**  
**CAS Number: 10108-64-2**

**Substance: Cadmium Oxide**  
**CAS Number: 1306-19-0**

**Substance: Cadmium Sulfide**  
**CAS Number: 1306-23-6**

This product is an article, without intended release of a chemical substance, under the REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). This safe use document satisfies the REACH Article 33 Duty to communicate information on substances in articles.

## 1. Use/Exposure Scenarios

<b>Use</b>	Stable under normal use; no expected hazardous emissions. An exposure evaluation must be conducted to define appropriate engineering and administrative controls.
<b>Toxicological Information</b>	Cadmium is an Endocrine Disruptor <sup>1</sup> and a Carcinogen <sup>2</sup> .  Toxic for reproduction (Article 57c)  Equivalent level of concern having probable serious effects to human health (Article 57 f)  Carcinogenic (Article 57a)
<b>Assembly / Disassembly</b>	These activities may cause some very minor transfer of residue onto unprotected skin. It is recommended that Personal Protective Equipment (PPE) be used when handling, assembling/disassembling articles.
<b>Mechanical Removal</b>	Mechanical removal such as grinding, buffing or media blasting techniques may generate hazardous particulates that must be disposed of in accordance with applicable laws and regulations. Any mechanical removal should be done with proper ventilation and the appropriate PPE in place.
<b>Stripping: Chemical Removal</b>	Stripping by use of chemical techniques may generate hazardous waste that must be disposed of in accordance with applicable laws and regulations. Any chemical removal should be done with proper ventilation and the appropriate PPE in place.

<b>2. Exposure Control Information</b>	
Engineering Controls	Local exhaust ventilation/dust collection should be used to limit airborne dust concentrations to the lowest attainable level. Refer to local regulatory Occupational Exposure Limits (OEL) for Cadmium and Cadmium Compounds.
Personal Protective Equipment	<p>Skin: Protective clothing to avoid contact with exposed skin may include coveralls, gloves and head/face covering. Disposable/single use protective clothing is recommended.</p> <p>Eyes: Safety glasses and/or goggles are recommended.</p> <p>Respiratory protection: An exposure assessment should be conducted to determine the level of respiratory protection warranted for a task. All elements of a respiratory protection program shall comply with applicable laws and regulations.</p>
<p>References</p> <p>(1) Article 57a (2) Article 57c (3) Article 57f</p>	