

SAFE USE DOCUMENT

Substance: Cadmium (plating)
 CAS Number: 7440-43-9

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 instruction satisfies the REACH Article 33 Duty to communicate information on substances in articles.

1. USE/EXPOSURE SCENARIOS

Use	Stable under normal use; no expected hazardous emissions. An exposure evaluation is recommended to define appropriate engineering and administrative controls.
Toxicological Information	Cadmium is an Endocrine Disruptor ¹ and a Carcinogen ² .
Assembly / Disassembly	These activities may generate dust from the material which can cause skin, eye and respiratory tract irritation. Acute overexposures to Cadmium can cause shortness of breath and inflammation of lung tissue. Chronic overexposures to Cadmium can cause damage to lungs, kidney, liver, nervous and reproductive systems.
Mechanical Removal	Mechanical removal such as grinding, buffing or media blasting techniques may generate hazardous particulates that must be disposed of in accordance with local regulations. Any mechanical removal should be done with proper ventilation and the appropriate PPE in place
Stripping: Chemical Removal	Stripping via chemical techniques may generate hazardous waste that must be disposed of in accordance with local regulations. Any chemical removal should be done with proper ventilation and the appropriate PPE in place.

2. EXPOSURE CONTROL INFORMATION

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.
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<p>Personal Protective Equipment</p>	<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 local regulations. At a minimum, filtering face piece respirators (dust masks) may be used for comfort and protection when airborne concentrations of dust/fibers are shown to be negligible.</p>
<p>Disposal Considerations</p>	<p>Participate in end-of-life product take-back programs whenever available. If no program is available, reuse or recycle material whenever possible. If reuse or recycling is not possible, disposal must be made according to applicable governmental regulations.</p>
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<p>References 1 – REACH Article 57 f 2 – REACH Article 57 a</p> <p style="text-align: center;">This document does not contain any export controlled technical data</p>	