Crystallume PVD
POWERED BY ROBBJACK

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EU RoHS Declaration — 10 Substances

Directive 2011/65/EU as amended by Commission Delegated Directive (EU) 2015/863

Supplier	Crystallume PVD, a division of RobbJack Corporation, 3300 Nicolaus Road, Lincoln, CA 95648 USA
Issued to	All customers of Crystallume PVD coating services
Covered	PVD and DLC coatings applied by Crystallume PVD in Lincoln, CA (Scorpion Stinger AlTiN, Python Scales TiCN, King Cobra TiN, Murder Hornet ZrN, Rhino Hide CrN, Hercules Beetle TiCN-based bronze, Black Voodoo DLC, Black Widow Cr-DLC, Black Mamba Ti-DLC) and laser etching / marking done with the coating service. The customer's part (substrate) is outside this scope.
Issued / valid	November 2, 2026 · valid through November 2, 2027 or until the cited regulation changes
Document no.	CPVD-CMP-ROHS-2026-11

COMPLIANT None of the 10 RoHS restricted substances is present above its maximum concentration value in any coating or in the laser-etched surface. **No cadmium and no hexavalent chromium.** No RoHS exemption is used.

Restricted substances

Substance	Limit	Above?
Lead (Pb) · 7439-92-1	0.1%	**No**
Mercury (Hg) · 7439-97-6	0.1%	**No**
Cadmium (Cd) · 7440-43-9	0.01%	**No**
Hexavalent chromium (Cr VI) · 18540-29-9	0.1%	**No**
Polybrominated biphenyls (PBB) · —	0.1%	**No**

Substance	Limit	Above?
Polybrominated diphenyl ethers (PBDE) · —	0.1%	**No**
Bis(2-ethylhexyl) phthalate (DEHP) · 117-81-7	0.1%	**No**
Butyl benzyl phthalate (BBP) · 85-68-7	0.1%	**No**
Dibutyl phthalate (DBP) · 84-74-2	0.1%	**No**
Diisobutyl phthalate (DIBP) · 84-69-5	0.1%	**No**

Limits are per homogeneous material, under Directive 2011/65/EU as amended by (EU) 2015/863. Each coating is a homogeneous material.

Chromium

Rhino Hide (CrN) and Black Widow (Cr-DLC) contain chromium as chromium nitride, chromium carbide or chromium metal, deposited in a vacuum from solid chromium. The process uses no chromate, chromic acid or other hexavalent chromium compound, and none can form. All other coatings are chromium-free apart from a possible chromium adhesion layer.

Coatings covered

Scorpion Stinger · AlTiN	**Python Scales** · TiCN	**King Cobra** · TiN
Murder Hornet · ZrN	**Rhino Hide** · CrN	**Hercules Beetle** · TiCN-based bronze
Black Voodoo · DLC	**Black Widow** · Cr-DLC	**Black Mamba** · Ti-DLC

Constituents with CAS numbers: Coating Safety & Technical Data Sheet CPVD-SDS-2026-11. PVD coatings may include a thin adhesion layer of titanium, chromium or their nitrides. Every coating is 1–4 µm thick. Process gases are argon, nitrogen and hydrocarbon gas; none contains fluorine. Laser etching marks the part by locally melting or oxidizing the surface. No ink, paint, filler or other material is added.

Mike MacArthur

Authorized signature

11/02/2026

Date

Mike MacArthur

Printed name

President

Title