Crystallume PVD
POWERED BY ROBBJACK

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PFAS Declaration

Per- and polyfluoroalkyl substances · TSCA §8(a)(7), EU and U.S. state PFAS requirements

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-PFAS-2026-11

PFAS-FREE Crystallume PVD coatings and laser etching contain no PFAS, and no PFAS is used anywhere in our coating or etching process.

Definition applied

We applied the broadest definition in current use: any substance with at least one fully fluorinated carbon atom (the Minnesota and Maine statutory definition). It includes the OECD (2021) definition and the U.S. EPA TSCA §8(a)(7) structural definition (40 CFR 705.3). No material in the coatings or the process contains fluorine, so the answer is the same under every definition.

Answers

Question	Answer
Is any PFAS present in the coating as applied?	**No**
Is any PFAS added or used in the laser etching?	**No**
Is any PFAS used in processing, including masking, cleaning or fixturing (for example PTFE tape or caps, fluorinated solvents, fluorinated lubricants)?	**No**
Is any fluorinated gas or target used in deposition?	**No. Process gases are argon, nitrogen and hydrocarbon gas; targets are titanium, aluminum-titanium, chromium and zirconium metal. None contains fluorine.**
Does Crystallume PVD manufacture or import PFAS, or articles containing PFAS, under TSCA §8(a)(7)?	**No**

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.

Based on the materials, gases and process consumables Crystallume PVD uses. Not tested for total fluorine; no fluorinated material is used.

Mike MacArthur

Authorized signature

11/02/2026

Date

Mike MacArthur

Printed name

President

Title