

3. 風險在何處？

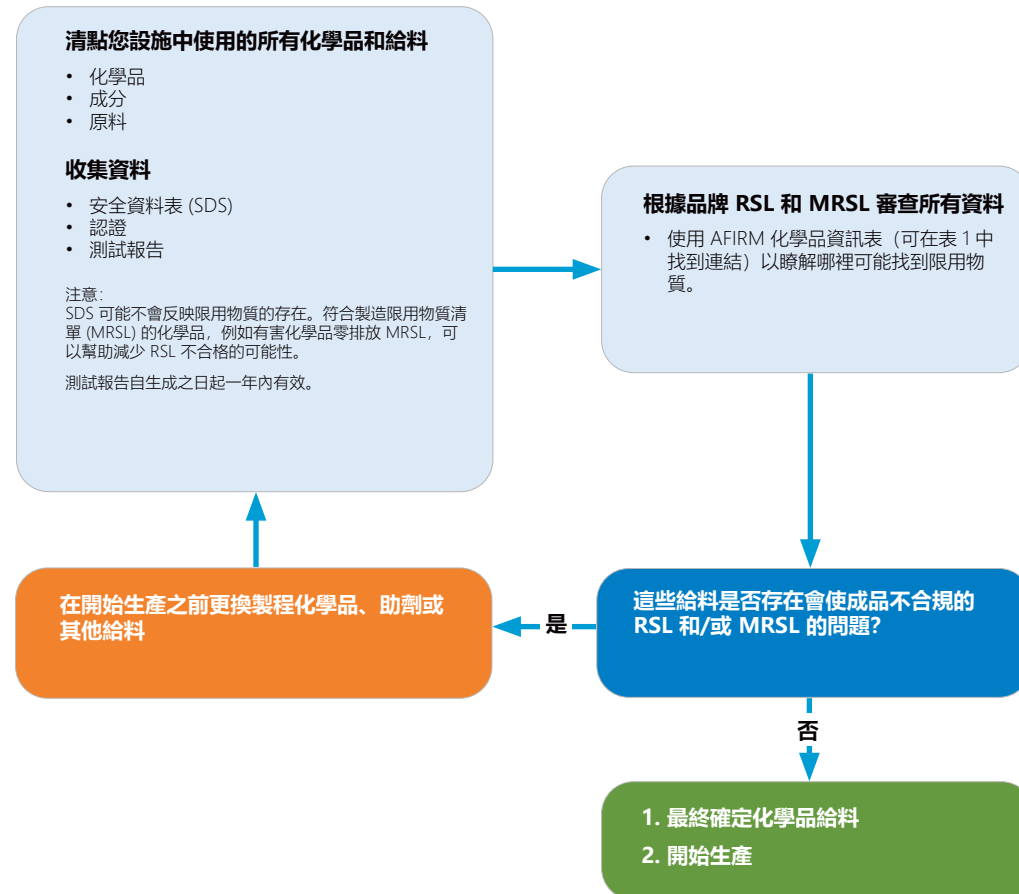
在服裝和鞋襪供應鏈中，有某些類型的纖維和物料更可能含有限用物質。許多品牌要求在運送前對產品進行測試，確保運送的產品不含有不符合其 RSL 的物品。（有關測試的更多資訊，請參閱本工具包的第 5 部分，有關模型測試程序，請參閱附錄 B。）

瞭解化學風險

AFIRM RSL 包括一個風險矩陣，指出哪些物質可能存在於通常用來製造服裝、鞋襪、某些配飾和設備的物料中。這是瞭解供應鏈中化學風險的良好起點。

圖 1 中的流程圖將幫助供應商審查生產方法，並確保其滿足品牌 RSL 要求。

圖 1. 瞭解化學風險



AFIRM 化學品資訊表

自 2017 年以來，AFIRM 工作組已出版了一系列化學品資訊表。

下一頁的表 1 提供這些出版物的四種語言連結。


這些文件作為 AFIRM RSL 中物質（或物質類別）的單一參考點。

這些資訊表提供了關於供應鏈中哪些環節使用這些物質的簡要背景、限用這些物質的原因，以及尋找合規物料或更安全替代品的指導。

讀者不應僅依賴這些文件來解決具體問題。所有問題都應該針對其產品具有爭議的特定品牌。

對於因使用或依賴這些文件內容而產生的任何後果，AFIRM 不承擔任何形式的責任。

www.afirm-group.com/chemical-information-sheets



Chemical Information Sheet
 Version 2.0 | March 2021

ACETOPHENONE & 2-PHENYL-2-PROPANOL

Other Names	CAS Number	Substance	Uses in the Supply Chain
Acetophenone; Methyl phenyl ketone; Acetylbenzene	98-86-2	Acetophenone	<p>There are few direct uses of acetophenone or 2-phenyl-2-propanol in the supply chain. These two chemicals are byproducts when a peroxide initiator called dicumyl peroxide (DCP) is used in ethylene-vinyl acetate (EVA) foam production. DCP initiates a crosslinking reaction in EVA foam by creating peroxide radicals, and both acetophenone and 2-phenyl-2-propanol are potential endpoints for the radicals once they have been deactivated.</p>
2-phenyl-2-propanol; 1-Hydroxypropanone, Dimethylphenyl-methanol	617-94-7	2-Phenyl-2-Propanol	
May Be Found In	<ul style="list-style-type: none"> • Ethylene-vinyl acetate (EVA) foams produced with dicumyl peroxide as a crosslinking initiator • Fragrances, solvents, and cleaners 		

Why Acetophenone & 2-Phenyl-2-Propanol are Restricted

- Neither of these chemicals are highly regulated in finished products at this time, but multiple brand RSLs and the AFIRM RSL restrict these chemicals.
- The German Federal Institute for Risk Assessment (BfR) has written a comment about Acetophenone and 2-Phenylpropanol. 2-Phenylpropanol can potentially cause allergic reactions. There are complaints by German authority labs when these substances are found in high concentrations in shoes.
- Acetophenone has a sweet pungent odor of orange blossom or jasmint, with an odor threshold of about 0.83 milligrams per cubic meter (mg/m³).
- AFIRM has voluntarily restricted acetophenone and 2-phenyl-2-propanol due to this odor which has prompted concerns from some enforcement agencies.
- Acetophenone is classified as: Acute Tox 4 - H302 and Eye Irrit. 2 - H319
- 2-Phenyl-2-propanol is classified as: No classification at this time.

Sourcing Compliant Materials from Your Suppliers

- Contact your suppliers and explain that you require their manufactured materials to be compliant with the current AFIRM RSL limits.
- Require suppliers to submit a confirmation of material compliance or a test report from a third-party laboratory.
- When materials are received, consider performing risk-based testing to ensure the current AFIRM RSL limits are met.

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表 1. AFIRM 化學品資訊表

物質	語言	物質	語言
乙酰苯與 2-苯基-2-丙醇		金屬 - 可萃取	
烷基酚聚氧乙烯醚 (APEO)		金屬 - 六價鉻	
烷基酚 (AP)		金屬 - 鎳釋放	
偶氮胺類和芳胺鹽		單體 (苯乙烯和氯乙烯)	
雙酚		亞硝酸	
二丁基羥基甲苯 (BHT)		有機錫化合物	
氯化石蠟 (SCCP MCCP)		鄰苯基苯酚 (OPP)	
氯酚		臭氧耗竭物質	
氯化苯與甲苯		全氟和多氟化學品	
富馬酸二甲酯 (DMFu)		農用殺蟲劑	
染料 - 酸性、鹼性、直接、溶劑		鄰苯二甲酸酯	
染料 - 分散性		多環芳烴 (PAH)	
阻燃劑		喹啉	
氟化溫室氣體		溶劑/殘留物	
甲醛		紫外線吸收劑/穩定劑	
金屬 - 總量		揮發性有機化合物 (VOC)	