Kit Name: Cannabis and Hemp Potency Kit

Kit PN: 5610-2036

This product is a kit, composed of the following individual chemical components:

Kit Components

Component Part Number	Component Name	Volume or mass/ container and unit	No. of component containers/ kit
G2453-85060	Formic acid, 5 ml	5mL	1
699975-302	Agilent InfinityLab Poroshell 120 EC-C18, 3.0 × 50 mm, 2.7 µm	<10mL Solvent	1 LC Column
5183-2072	Vial, screw top, amber, write-on spot, deactivated (silanized), certified, 2 mL, 100/pk	(Only contains hardware/non-chemical containing)	
5182-0718	Cap, screw, green, PTFE/red silicone septa, 100/pk		
5610-2049	50 mL centrifuge tubes, 25/pk		
5190-5107	0.45 µm Regenerated cellulose (RC) syringe filter, 100/pk		
9301-6476	Syringe, 5 mL, 100/pk		
5982-9313	Ceramic Homogenizers, for 50 mL tubes, 100/pk		

SDSs for each component follow this cover sheet.

Transportation Information for the Kit:

Proper Shipping Names:

DOT	IATA/ICAO	China
UN3316 Chemical Kits, 9, II	UN3316 Chemical Kit, 9, II	UN3316 Chemical Kits, 9, II

安全資料表
根據 危害性化學品標示及通識規則

製表日期 2020.04.10　　Version Number 4　　在 2020.04.10 審核

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1 化學品與廠商資料

· **產品識別者**

· **化學品中文(英文)名稱, 化學品俗名或商品名: Formic acid Reagent Grade (1 x 5mL)**

· **商品編號:** G2453-85060
· **CAS 編號:**
64-18-6
· **歐盟編號:**
200-579-1
· **歐盟編號:**
607-001-00-0
· **相應純物質或者混合物的相關下位用途及禁止用途** 供分析化學實驗室使用的試劑和標準

· **安全技術說明書內供應商詳細信息**
· **企業名稱:**
Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA

· **可獲取更多資料的部門:**
Telephone: 800-227-9770
e-mail: pdl-msds_author@agilent.com
· **緊急聯繫電話號碼:** CHEMTREC®: 00801-14-8954 (24 小時)

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2 危害辨識資料

· **緊急情況概述:**
無色的， 液體， 易燃液體和蒸氣。 吞食有害。 吸入會中毒。 引起嚴重的皮膚灼傷和眼睛損傷。
· **GHS危險性類別**

火焰

易燃液體　第3級　　H226 易燃液體和蒸氣

骷髏和交叉骨

急毒性物質(吸入)　第3級　　H331 吸入會中毒

腐蝕

腐蝕/刺激皮膚物質　第1A級 H314 引起嚴重的皮膚灼傷和眼睛損傷

急毒性物質(吞食)　第4級　　H302 吞食有害

· **標籤因素**
· **GHS標籤元素** 本化學物質根據化學物質分類及標記全球協調制度(GHS)進行了分類及標記。

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· **圖示**

GHS02 GHS05 GHS06

· **名稱** 危險

· **標簽上辨別危險的成份:**
蟻 酸
· **危險字句**
易燃液體和蒸氣
吞食有害
吸入會中毒
引起嚴重的皮膚灼傷和眼睛損傷
· **警戒字句**
如需醫囑：請將產品容器或標籤備放在手邊。
放在兒童伸手不及之處。
使用前請讀標籤。
· **預防措施**
遠離熱源/火花/明火/熱表面。 —禁止吸煙。
容器和接收設備接地/等勢聯接。
使用防爆的電氣/通風/照明/設備。
只能使用不產生火花的工具。
採取防止靜電放電的措施。
不要吸入粉塵/煙霧。
作業後徹底清洗。
使用本產品時不要進食、飲水或吸煙。
只能在室外或通風良好之處使用。
戴防護手套/穿防護服/戴防護眼罩/戴防護面具。
· **事故響應**
如誤吞咽：如感覺不適，呼叫解毒中心/醫生
如誤吞咽：漱口。不要誘導嘔吐。
如皮膚(或頭髮)沾染：立即脫掉所有沾染的衣服。用水清洗皮膚/淋浴。
如誤吸入：將人轉移到空氣新鮮處，保持呼吸舒適體位
如進入眼睛：用水小心沖洗幾分鐘。如戴隱型眼鏡並可方便地取出，取出隱型眼鏡。繼續沖洗。
立即呼叫解毒中心/醫生
具體治療(見本標籤上的)
沾染的衣服清洗後方可重新使用
火災時：使用二氧化碳、 粉末或水性噴霧滅火。
· **安全貯存**
存放在通風良好的地方。保持容器密閉。
存放在通風良好的地方。保持低溫。
存放處須加鎖。
· **廢棄處置**
按照本地 / 地區 / 國家 / 國際規例處理內含物 / 容器。
· **其他有害性**
· **PBT(殘留性、生物濃縮性、毒性物質) 及 vPvB(高殘留性、高生物濃縮性物質)評價結果**
· **PBT(殘留性、生物濃縮性、毒性物質)** 不適用的

(在 3 頁繼續)

(在 2 頁繼續)

· **vPvB(高殘留性、高生物濃縮性物質):** 不適用的

3 成分辨識資料

· **純品**
· **CAS號 化學名, 通用名**
64-18-6 蟻 酸
· **鑒別編號：**
· **歐盟編號:** 200-579-1
· **歐盟編號:** 607-001-00-0

4 急救措施

· **應急措施要領**
· **總說明:**
馬上脫下染有該產品的衣服.
中毒的症狀可能會在幾個小時以後才出現;因此在發生事故之後起碼要有 48 小時的醫療觀察.
只在徹底地脫去了已被汙染的衣服之後才能移走呼吸儀器.
萬一出現了不規則的呼吸或呼吸的阻礙,請為病人提供人工呼吸.
· **吸入:**
供給新鮮空氣或氧氣;叫醫生.
萬一病人不清醒時,請讓病人側趟以便移動.
· **皮膚接觸:** 馬上用水和肥皂進行徹底的沖洗.
· **眼睛接觸:** 張開眼睛在流水下沖洗數分鐘. 然後諮詢醫生.
· **食入:**
請立即尋求醫療協助
喝大量的清水和提供新鮮的空氣. 馬上召喚醫生.
· **給醫生的資料:**
· **最重要的急慢性症狀及其影響** 無相關詳細資料。
· **需要及時的醫療處理及特別處理的症狀** 無相關詳細資料。

5 滅火措施

· **滅火方法**
· **滅火的方法和滅火劑:** 二氧化碳 (CO2)、滅火粉末或灑水. 使用灑水或抗酒精泡沫滅火劑撲滅較大的火種.
· **特別危險性** 在加熱期間或失火的情況下,產生有毒氣體.
· **特殊滅火方法**
· **消防人員特殊的防護裝備:** 口腔呼吸保護裝置.

6 洩漏處理方法

· **保護措施**
裝上呼吸保護裝置.
帶上保護儀器. 讓未受到保護的人們遠離.
· **環境保護措施:**
用大量的水進行稀釋.
切勿讓其進入下水道/水面或地下水.

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· **密封及淨化方法和材料:**
吸收液體粘合原料 (沙粒、矽藻土、酸性粘合劑、通用粘合劑、鋸屑).
使用中和劑.
根據第 13 條條款棄置受汙染物.
確保有足夠的通風裝置.
· **參照其他部分**
有關安全處理的資料請參閱第 7 節.
有關個人保護裝備的的資料請參閱第 8 節.
有關棄置的資料請參閱第 13 節.

7 安全處置與儲存方法

· **操作處置**
· **儲存**
確保工作間有良好的通風/排氣裝置.
小心打開及處理貯藏器.
防止氣溶膠的形成.
· **有關火災及防止爆炸的資料:**
遠離火源 - 切勿吸煙.
防靜電.
提供呼吸保護裝置.

· **混合危險性等安全儲存條件**
· **儲存:**
· **儲存庫和容器須要達到的要求:** 沒有特別的要求.
· **有關使用一個普通的儲存設施來儲存的資料:** 不需要.
· **有關儲存條件的更多資料:** 將容器密封.
· **具體的最終用戶** 無相關詳細資料。

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8 暴露預防措施

· **工程控制方法:** 沒有進一步數據;見第 7 項.

· **控制變數**

· **在工作場需要監控的限值成分**
64-18-6 蟻 酸
PEL	PC-TWA: 9.4 mg/m³, 5 ppm

· **額外的資料:** 制作期間有效的清單將作為基礎來使用.

· **遺漏控制**
· **個人防護設備:**
· **一般保護和衛生措施:**
遠離食品、飲料和飼料.
立即除去所有的不潔的和被汙染的衣服.
在休息之前和工作完畢後請清洗雙手.
分開儲存保護性衣服.
避免和眼睛及皮膚接觸.
· **呼吸系統防護:**
按照 Agilent 儀器的預期用途使用、在正常的實驗室條件下依照常規做法使用該產品時,不會導致嚴重的空氣暴露,因此無需採取呼吸防護措施。
在认为必须进行呼吸的紧急情况下,请使用经 NIOSH 认证或等效的配备有适当有机或酸性气体盒的装置。

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· **手防護:**
儘管不建議經常接觸或清理化學品,但是在正常使用時,還是建議佩戴厚度為 0.28mm-0.33mm 的腈手套。
破出時間為 1 小時。
清理洩漏時會直接接觸化學品,推薦佩戴厚度為 0.30mm-0.38mm 的丁基橡膠手套（破出時間超過了 4 小時）。應當遵循供應商之建議。
· **手套材料**
正常使用:
腈橡膠,0.28mm-0.33mm 厚度
直接接觸化學品:
丁基橡膠,0.30mm-0.38mm 厚度
選擇合適的手套不單取決於材料, 亦取決於質量特征, 以及來自哪一間生產廠家
· **滲入手套材料的時間**
正常使用:
腈橡膠:
1 小時
直接接觸化學品:
丁基橡膠:
> 4 小時
· **眼睛防護:**

密封的護目鏡

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9 物理及化學性質

· **有關基本物理及化學特性的資訊**	
· **一般說明**	
· **外觀:**	
形狀:	液體
顏色:	無色的
· **氣味:**	刺激性的
· **嗅覺閾限**	未決定.
· **pH值:**	未決定.
· **條件的更改**	
熔點:	-9 °C
沸點/初沸點和沸程:	107 °C
· **閃點:**	59 °C
· **可燃性 (固體、氣體):**	不適用的
· **點火溫度:**	520 °C
· **分解溫度:**	未決定.
· **自燃溫度:**	未決定.
· **爆炸的危險性:**	未決定.
· **爆炸極限:**	
較低:	14 Vol %

(在 6 頁繼續)

(在 5 頁繼續)

較高:	33 Vol %
· **蒸氣壓 在 20 °C:**	30 hPa
· **密度 在 20 °C:**	1.2 g/cm³
· **相对密度**	未決定.
· **蒸氣密度**	未決定.
· **蒸發速率**	未決定.
· **溶解性**	
水:	完全可拌和的
· **n-辛醇/水分配係數:**	未決定.
· **黏性:**	
動態:	未決定.
運動學的:	未決定.
固體成份:	0.0 %
· **其他資訊**	無相關詳細資料。

10 安定性及反應性

· **反應性** 無相關詳細資料。
· **穩定性**
· **熱分解/要避免的情況:** 如果遵照規格使用則不會分解.
· **有害反應可能性** 未有已知的危險反應.
· **應避免的條件** 無相關詳細資料。
· **不相容的物質:** 無相關詳細資料。
· **危險的分解產物:** 未知有危險的分解產品.

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11 毒性資料

· **對毒性學影響的資訊**
· **急性毒性:**

· **與分類相關的 LD/ LC50 值:**		
ATE (急性毒性估計值)		
口腔	LD50	730 mg/kg (大鼠)
吸入	LC50/4 h	7.4 mg/L (大鼠)

64-18-6 蟻 酸		
口腔	LD50	730 mg/kg (大鼠)
吸入	LC50/4 h	7.4 mg/L (大鼠)

· **主要的刺激性影響:**
· **皮膚:** 在皮膚和粘膜上造成強烈的腐蝕性影響.
· **在眼睛上面:** 強烈的腐蝕性影響.
· **致敏作用:** 沒有已知的敏化影響.

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· **更多毒物的資料:**
吞咽該產品除了導致口部和喉嚨出現強烈的腐蝕性現象之外,還有對食道和胃部造成穿孔的危險.

12 生態資料

· **生態毒性**
· **水生毒性:** 無相關詳細資料。
· **持久性和降解性** 無相關詳細資料。
· **環境系統習性:**
· **潛在的生物累積性** 無相關詳細資料。
· **土壤內移動性** 無相關詳細資料。
· **額外的生態學資料:**
· **總括注解:**
水危害級別 1(德國規例) (評估): 對水是稍微危害的
不要讓未稀釋或大量的產品接觸地下水、水道或者汙水系統.
不要讓未被稀釋或未被中和的產品接觸下水道或排水溝渠.
· **PBT(殘留性、生物濃縮性、毒性物質) 及 vPvB(高殘留性、高生物濃縮性物質)評價結果**
· **PBT(殘留性、生物濃縮性、毒性物質)** 不適用的
· **vPvB(高殘留性、高生物濃縮性物質):** 不適用的
· **其他副作用** 無相關詳細資料。

13 廢棄處置方法

· **廢棄處置方法**
· **建議:** 不能將該產品和家居垃圾一起丟棄. 不要讓該產品接觸汙水系統.

· **受污染的容器和包裝:**
· **建議:** 必須根據官方的規章來丟棄.
· **建議的清洗劑:** 如有必要請使用水及清潔劑進行清潔.

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14 運送資料

· **聯合國危險貨物編號(UN號)**	
· **ADR, IMDG, IATA**	UN1779
· **UN適當裝船名**	
· **ADR**	1779 FORMIC ACID
· **IMDG, IATA**	FORMIC ACID
· **運輸危險等級**	
· **ADR**	

· **級別**	8 腐 蝕性物質

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· **標籤**	8+3
· **IMDG**	
	
· **Class**	8 腐 蝕性物質
· **Label**	8/3
· **IATA**	
	
· **Class**	8 腐 蝕性物質
· **Label**	8 (3)
· **包裝組別**	
· **ADR, IMDG, IATA**	II
· **危害環境:**	不適用的
· **用戶特別預防措施**	警告: 腐 蝕性物質
· **危險編碼:**	80
· **EMS 號碼:**	8-05
· **Segregation groups**	Acids
· **Stowage Category**	A
· **Segregation Code**	SG36 Stow "separated from" SGG18-alkalis. SG49 Stow "separated from" SGG6-cyanides
· **MARPOL73/78(針對船舶引起的海洋污染預防協約) 附件書2及根據IBC Code(國際裝船貨物編碼)的大量運送**	不適用的
· **運輸/額外的資料:**	
· **ADR**	
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **UN "標準規定":**	UN 1779 FORMIC ACID, 8 (3), II

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15 法規資料

· **對相應純物質或者混合物的安全、保健及環境法規/法律**
· **優先管理化學品之指定及運作管理辦法**

· **附表一-對於未滿十八歲及妊娠或分娩後未滿一年女性勞工具危害性之化學品**
沒有列出物質.

· **第二條第二款第一目**
沒有列出物質.

· **第二條第二款第二目**
有列出物質.

· **新化學物質及既有化學物質資料登錄辦法 英**
沒有列出物質.

· **中國現有化學物質名錄**
有列出物質.

· **TCSCA**

· **列管編號**
沒有列出物質.

· **毒性分類**
沒有列出物質.

· **管制濃度（w/w%）**
沒有列出物質.

· **大量運作基準（公斤）**
沒有列出物質.

· **新化學物質及既有化學物質資料登錄辦法, 附表六**
沒有列出物質.

· **TCSI - Taiwan Chemical Substance Inventory**
有列出物質.

· **化學物質安全性評價:** 尚未進行化學物質安全性評價

16 其他資料

該文件包含的信息基於安捷倫在制作該文件時的知識水平。 就其在特定用途的明示或默示含義的準確性,完整性和和適用性不做保證。

· **縮寫:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: 持久性生物累積性有毒物質
vPvB: very Persistent and very Bioaccumulative
易燃液體 第3級: Flammable liquids – Category 3
急毒性物質(吞食) 第4級: Acute toxicity – Category 4
急毒性物質(吸入) 第3級: Acute toxicity – Category 3

(在 10 頁繼續)

安全資料表
根據 危害性化學品標示及通識規則

製表日期 2020.04.10 Version Number 4 在 2020.04.10 審核

化學品中文(英文)名稱, 化學品俗名或商品名： Formic acid Reagent Grade (1 x 5mL)

(在 9 頁繼續)

腐蝕/刺激皮膚物質 第1A級: Skin corrosion/irritation – Category 1A

· * **與舊版本比較的數據已改變**

SAFETY DATA SHEET

Agilent Technologies

Poroshell 120 EC-C18 Chromatography Columns with Acetonitrile and Water less than 10mL

Section 1. Identification

This product is considered an article. This Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

1.1 Product identifier

Product name : Poroshell 120 EC-C18 Chromatography Columns with Acetonitrile and Water less than 10mL

Part no. : 690975-902, 693975-902, 695775-922, 695975-902, 697975-902, 699775-922, 699975-902, 691975-902, 693975-302, 695975-302, 697975-302, 699975-302, 691975-302, 693775-902, 695775-902, 697775-902, 699775-902, 691775-902, 821725-911, 823750-911, 820750-911, 699770-902, 695770-902, 693770-902, 650750-902, 699970-302, 695970-302, 693970-302, 690970-302, 699970-902, 695970-902, 693970-902, 690970-902, 821725-916, 823750-916, 820750-916, 650750-902T, 690970-302T, 690970-902T, 690975-902T, 691775-902T, 691975-302T, 691975-902T, 693770-902T, 693775-902T, 693970-302T, 693970-902T, 693975-302T, 693975-902T, 695770-902T, 695775-902T, 695970-302T, 695970-902T, 695975-302T, 695975-902T, 697775-902T, 697975-302T, 697975-902T, 699770-902T, 699775-902T, 699970-302T, 699970-902T, 699975-302T, 699975-902T, 699675-902, 695675-902, 693675-902, 699675-302, 695675-302, 693675-302, 821725-940, 823750-940, 695575-902, 693575-902, 695575-302, 693575-302, 691775-302

Validation date : 10/14/2019

1.2 Relevant identified uses of the substance or mixture and uses advised against

Material uses : Analytical chemistry.
HPLC column
Solvent volume: <10 ml

690975-902	Poroshell 120, EC-C18, 4.6x250mm, 2.7um
693975-902	Poroshell 120, EC-C18, 4.6x150mm, 2.7um
695775-922	Poroshell 120, EC-C18, 2.1x100mm, 2.7um 2pk
695975-902	Poroshell 120, EC-C18, 4.6x100mm, 2.7um
697975-902	Poroshell 120, EC-C18, 4.6x75mm, 2.7um
699775-922	Poroshell 120, EC-C18, 2.1x50mm, 2.7um 2pk
699975-902	Poroshell 120, EC-C18, 4.6x50mm, 2.7um
691975-902	Poroshell 120, EC-C18, 4.6x30mm, 2.7um
693975-302	Poroshell 120, EC-C18, 3.0x150mm, 2.7um
695975-302	Poroshell 120, EC-C18, 3.0x100mm, 2.7um
697975-302	Poroshell 120, EC-C18, 3.0x75mm, 2.7um
699975-302	Poroshell 120, EC-C18, 3.0x50mm, 2.7um
691975-302	Poroshell 120, EC-C18, 3.0x30mm, 2.7um
693775-902	Poroshell 120, EC-C18, 2.1x150mm, 2.7um
695775-902	Poroshell 120, EC-C18, 2.1x100mm, 2.7um
697775-902	Poroshell 120, EC-C18, 2.1x75mm, 2.7um
699775-902	Poroshell 120, EC-C18, 2.1x50mm, 2.7um
691775-902	Poroshell 120, EC-C18, 2.1x30mm, 2.7um
821725-911	Poroshell 120, UHPLC Guard, EC-C18, 2.1mm
823750-911	Poroshell 120, UHPLC Guard.EC-C18, 3.0mm
820750-911	Poroshell 120, UHPLC Guard, EC-C18, 4.6mm
699770-902	Poroshell 120, EC-C18, 2.1x50mm, 4um
695770-902	Poroshell 120, EC-C18, 2.1x100mm, 4um
693770-902	Poroshell 120, EC-C18, 2.1x150mm, 4um
650750-902	Poroshell 120, EC-C18, 2.1x250mm, 4um
699970-302	Poroshell 120, EC-C18, 3x50mm, 4um
695970-302	Poroshell 120, EC-C18, 3x100mm, 4um
693970-302	Poroshell 120, EC-C18, 3x150mm, 4um
690970-302	Poroshell 120, EC-C18, 3x250mm, 4um
699970-902	Poroshell 120, EC-C18, 4.6x50mm, 4um
695970-902	Poroshell 120, EC-C18, 4.6x100mm, 4um

Section 1. Identification

693970-902	Poroshell 120, EC-C18, 4.6x150mm, 4um
690970-902	Poroshell 120, EC-C18, 4.6x250mm, 4um
821725-916	Poroshell 120, UHPLC Grd, EC-C18, 2.1mm, 4um
823750-916	Poroshell 120, UHPLC Grd, EC-C18, 3mm, 4um
820750-916	Poroshell 120, UHPLC Grd, EC-C18, 4.6mm, 4um
650750-902T	Poroshell 120, EC-C18, 2.1x 250mm, 4um, T
690970-302T	Poroshell 120, EC-C18, 3x 250mm, 4um, T
690970-902T	Poroshell 120, EC-C18, 4.6x 250mm, 4um, T
690975-902T	Poroshell 120, EC-C18, 4.6x 250mm, 2.7um, T
691775-902T	Poroshell 120, EC-C18, 2.1x 30mm, 2.7um, T
691975-302T	Poroshell 120, EC-C18, 3x 30mm, 2.7um, T
691975-902T	Poroshell 120, EC-C18, 4.6x 30mm, 2.7um, T
693770-902T	Poroshell 120, EC-C18, 2.1x 150mm, 4um, T
693775-902T	Poroshell 120, EC-C18, 2.1x 150mm, 2.7um, T
693970-302T	Poroshell 120, EC-C18, 3x 150mm, 4um, T
693970-902T	Poroshell 120, EC-C18, 4.6x 150mm, 4um, T
693975-302T	Poroshell 120, EC-C18, 3x 150mm, 2.7um, T
693975-902T	Poroshell 120, EC-C18, 4.6x 150mm, 2.7um, T
695770-902T	Poroshell 120, EC-C18, 2.1x 100mm, 4um, T
695775-902T	Poroshell 120, EC-C18, 2.1x 100mm, 2.7um, T
695970-302T	Poroshell 120, EC-C18, 3x 100mm, 4um, T
695970-902T	Poroshell 120, EC-C18, 4.6x 100mm, 4um, T
695975-302T	Poroshell 120, EC-C18, 3x 100mm, 2.7um, T
695975-902T	Poroshell 120, EC-C18, 4.6x 100mm, 2.7um, T
697775-902T	Poroshell 120, EC-C18, 2.1x 75mm, 2.7um, T
697975-302T	Poroshell 120, EC-C18, 3x 75mm, 2.7um, T
697975-902T	Poroshell 120, EC-C18, 4.6x 75mm, 2.7um, T
699770-902T	Poroshell 120, EC-C18, 2.1x 50mm, 4um, T
699775-902T	Poroshell 120, EC-C18, 2.1x 50mm, 2.7um, T
699970-302T	Poroshell 120, EC-C18, 3x 50mm, 4um, T
699970-902T	Poroshell 120, EC-C18, 4.6x 50mm, 4um, T
699975-302T	Poroshell 120, EC-C18, 3x 50mm, 2.7um, T
699975-902T	Poroshell 120, EC-C18, 4.6x 50mm, 2.7um, T
699675-902	Poroshell 120 EC-C18,2.1x50mm,1.9um,T
695675-902	Poroshell 120 EC-C18,2.1x100mm,1.9um,T
693675-902	Poroshell 120 EC-C18,2.1x150mm,1.9um,T
699675-302	Poroshell 120 EC-C18,3x50mm,1.9um,T
695675-302	Poroshell 120 EC-C18,3x100mm,1.9um,T
693675-302	Poroshell 120 EC-C18,3x150mm,1.9um,T
821725-940	UHPLC Grd,P120 EC-C18,2.1mm,1.9um,3pk
823750-940	UHPLC Grd,P120 EC-C18,3mm,1.9um,3pk
695575-902	Poroshell 120,EC-C18,2.1x100mm,2.7u,1000bar
693575-902	Poroshell 120,EC-C18,2.1x150mm,2.7u,1000bar
695575-302	Poroshell 120,EC-C18,3.0x100mm,2.7u,1000bar
693575-302	Poroshell 120,EC-C18,3.0x150mm,2.7u,1000bar
691775-302	Poroshell 120, EC-C18, 3.0x30mm, 1.9um, T

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

2.1 Classification of the substance or mixture

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

H225	FLAMMABLE LIQUIDS - Category 2
H319	EYE IRRITATION - Category 2A
H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

2.2 GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : H225 - Highly flammable liquid and vapor.
H319 - Causes serious eye irritation.
H373 - May cause damage to organs through prolonged or repeated exposure. (blood system, central nervous system (CNS), kidneys, liver)

Precautionary statements

Prevention : P280 - Wear protective gloves. Wear eye or face protection.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P233 - Keep container tightly closed.
P260 - Do not breathe vapor.
P264 - Wash hands thoroughly after handling.

Response : P314 - Get medical attention if you feel unwell.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical attention.

Storage : P403 - Store in a well-ventilated place.
P235 - Keep cool.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3 Other hazards

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

Substance/mixture : Mixture (encapsulated in article)

Ingredient name	%	CAS number
Acetonitrile	≥10 - <22	75-05-8

Contains: Organosilane bonded silica gel
Note: To the best of our knowledge, the acute and chronic toxicological properties of bonded silica gels have not been investigated. This product contains synthetic amorphous silica, and should not be confused with crystalline silica such as quartz, cristobalite, or tridymite, or with diatomaceous earth or other naturally occurring forms of amorphous silica that frequently contain crystalline forms of silica.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Section 4. First aid measures

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical : Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides
cyanides

5.3 Advice for firefighters

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations : Industrial applications, Professional applications.

Industrial sector specific solutions : Not applicable.

Section 8. Exposure controls/personal protection

Since the hazardous ingredient in this article is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Acetonitrile	**ACGIH TLV (United States, 3/2018).** **Absorbed through skin.** TWA: 20 ppm 8 hours. **OSHA PEL 1989 (United States, 3/1989).** TWA: 40 ppm 8 hours. TWA: 70 mg/m³ 8 hours. STEL: 60 ppm 15 minutes. STEL: 105 mg/m³ 15 minutes. **NIOSH REL (United States, 10/2016).** TWA: 20 ppm 10 hours. TWA: 34 mg/m³ 10 hours. **OSHA PEL (United States, 5/2018).** TWA: 40 ppm 8 hours. TWA: 70 mg/m³ 8 hours.

8.2 Exposure controls

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Section 8. Exposure controls/personal protection

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Solid. (containing flammable liquid)

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : Not available.

Flash point : Closed cup: -18 to 23°C (-0.4 to 73.4°F)

Evaporation rate : Not available.

Flammability (solid, gas) : Contains: Flammable liquid.

Lower and upper explosive (flammable) limits : Not available.

Vapor pressure : Not available.

Vapor density : Not available.

Relative density : Not available.

Solubility : Mobile phase: Soluble
Stationary phase: Insoluble

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Not available.

Section 10. Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Section 10. Stability and reactivity

10.5 Incompatible materials : Reactive or incompatible with the following materials:
oxidizing materials
Incompatible with hydrogen fluoride.

10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Acetonitrile	LC50 Inhalation Vapor LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Acetonitrile	Eyes - Moderate irritant Skin - Mild irritant	Rabbit Rabbit	- -	24 hours 100 microliters 500 milligrams	- -

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Acetonitrile	Category 2	Not determined	blood system, central nervous system (CNS), kidneys and liver

Aspiration hazard

Not available.

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Section 11. Toxicological information

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General : May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Poroshell 120 EC-C18 Chromatography Columns with Acetonitrile and Water less than 10mL	2381	5238.1	N/A	52.4	N/A
Acetonitrile	500	1100	N/A	11	N/A

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water Chronic NOEC 160000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor Daphnia - Daphnia magna	96 hours 48 hours 96 hours 96 hours 21 days

12.2 Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Acetonitrile	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Acetonitrile	-0.34	3	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
Acetonitrile (I,T)	75-05-8	Listed	U003

Section 13. Disposal considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

This Safety Data Sheet is written based on the encapsulated substance or mixture in this article. Since the hazardous ingredient is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

Remarks: Special provisions
DOT: 47
TDG: 56
MX: 216
IATA: A46
IMDG: 216

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations : **TSCA 8(a) PAIR**: Acetonitrile
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
Clean Water Act (CWA) 307: Acetonitrile

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Section 15. Regulatory information

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : FLAMMABLE LIQUIDS - Category 2
EYE IRRITATION - Category 2A
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

Composition/information on ingredients

Name	%	Classification
Organosilane bonded silica gel Acetonitrile	≥50 - ≤75 ≥10 - <22	COMBUSTIBLE DUSTS FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Acetonitrile	75-05-8	≥10 - <22
Supplier notification	Acetonitrile	75-05-8	≥10 - <22

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed: ACETONITRILE

New York : The following components are listed: Acetonitrile; Ethanenitrile

New Jersey : The following components are listed: ACETONITRILE; CYANOMETHANE

Pennsylvania : The following components are listed: ACETONITRILE

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : All components are listed or exempted.

Section 15. Regulatory information

Canada : Not determined.

China : All components are listed or exempted.

Europe : All components are listed or exempted.

Japan : **Japan inventory (ENCS)**: All components are listed or exempted.
Japan inventory (ISHL): All components are listed or exempted.

New Zealand : All components are listed or exempted.

Philippines : Not determined.

Republic of Korea : Not determined.

Taiwan : All components are listed or exempted.

Thailand : Not determined.

Turkey : All components are listed or exempted.

United States : All components are listed or exempted.

Viet Nam : Not determined.

Section 16. Other information

History

Date of issue : 10/14/2019

Date of previous issue : 05/03/2019

Version : 9.1

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
UN = United Nations

Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2	On basis of test data Calculation method Calculation method

Indicates information that has changed from previously issued version.

Notice to reader

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