



Agilent Technologies

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

安全データシート

JIS Z 7253:2012 による

印刷日: 2020.04.10

Version Number 4

改訂日: 2020.04.10

1 化学品及び会社情報

- ・製品識別子
 - ・商品名: Formic acid Reagent Grade (1 x 5mL)
 - ・製品番号: G2453-85060
 - ・CAS 番号:
64-18-6
 - ・EC 番号:
200-579-1
 - ・EU 番号:
607-001-00-0
 - ・該当純物質または混合物の関連特定用途及び使用禁止用途 分析化学研究所用の試薬および基準
 - ・安全データシートの供給元の詳細情報
 - ・製造者/納入者:
アジレント・テクノロジー株式会社
住所
〒192-8510 東京都八王子市高倉町9-1
 - ・その他の情報問い合わせ先:
電話番号
+81-42-660-3111
- pdl-msds_author@agilent.com
- ・緊急通報用電話番号: CHEMTREC®: +(81)-345209637

2 危険有害性の要約

・純物質または混合物の分類



火炎

引火性液体 区分3

H226 引火性液体及び蒸気



健康に危険

特定標的臓器有害性(単回暴露) 区分1 H370 臓器の障害

特定標的臓器有害性(反復暴露) 区分2 H373 長期にわたる、又は反復ばく露による臓器の障害のおそれ



腐食

皮膚腐食性/刺激性 区分1A

H314 重篤な皮膚の薬傷及び眼の損傷

重篤な眼の損傷性/眼刺激性 区分1

H318 重篤な眼の損傷



急性毒性(経口) 区分4

H302 飲み込むと有害

急性毒性(吸入) 区分4

H332 吸入すると有害

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水生環境有害性(急性毒性) 区分3 H402 水生生物に有害

ラベル要素
GHS ラベル要素

本化学物質はGHS(化学品の分類および表示に関する世界調和システム)により分類及び表示されています。

危険図表


GHS02 GHS05 GHS07 GHS08

表示語 危険
危険と定められた成分をラベル表示:

ぎ酸

危険文句

引火性液体及び蒸気
 飲み込んだり, 吸入すると有害
 重篤な皮膚の薬傷及び眼の損傷
 臓器の障害
 長期にわたる, 又は反復ばく露による臓器の障害のおそれ
 水生生物に有害

注意文句

医学的な助言が必要なときには, 製品容器やラベルを持っていくこと。
 子供の手の届かないところに置くこと。
 使用前にラベルをよく読むこと。
 熱/火花/裸火/高温のもののような着火源から遠ざけること。 - 禁煙。
 容器を密閉しておくこと。
 容器を接地すること / アースをとること。
 防爆型の電気機器 / 換気装置 / 照明機器 / 機器を使用すること。
 火花を発生させない工具を使用すること。
 静電気放電に対する予防措置を講ずること。
 ミスト(霧)/粉塵を吸い込まないでください。
 取扱い後はよく洗うこと。
 この製品を使用するとき, 飲食又は喫煙をしないこと。
 屋外又は換気の良い場所でのみ使用すること。
 環境への放出を避けること。
 保護手袋/保護衣/保護眼鏡/保護面を着用すること。
 飲み込んだ場合: 気分が悪い時は毒物センター/医師に連絡すること。
 飲み込んだ場合: 口をすすぐこと。無理に吐かせないこと。
 皮膚(または髪)に付着した場合: 直ちに汚染された衣類をすべて脱ぐこと。皮膚を流水/シャワーで洗うこと。
 吸入した場合: 空気の新鮮な場所に移し, 呼吸しやすい姿勢で休息させること。
 眼に入った場合: 水で数分間注意深く洗うこと。次にコンタクトレンズを着用していて容易に外せる場合は外すこと。その後も洗浄を続けること。
 ただちに毒物センター/医師に連絡すること。
 ばく露またはばく露の懸念がある場合: 毒物センター/医師に連絡すること。
 特別な処置が必要である(このラベルのを見よ)。
 気分が悪いときは, 医師の診断 / 手当てを受けること。
 汚染された衣類を再使用す場合には洗濯をすること。

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火災の発生時: 鎮圧の目的で使用: CO₂、パウダー、散水車
換気の良い場所で保管すること。涼しいところに置くこと。
施錠して保管すること。

現地/地域/国/国際規定に従い内容物・容器の露出

- ・ **その他の危険性**
- ・ PBT (残留性、生物濃縮性、毒性物質) 及び vPvB (高残留性、高生物濃縮性物質) アセスメント
- ・ PBT (残留性、生物濃縮性、毒性物質): 情報なし
- ・ vPvB (高残留性、高生物濃縮性物質): 情報なし

3 組成及び成分情報

- ・ **化学的特性: 化学物質**
- ・ CAS 番号表示
64-18-6 ぎ酸
- ・ ID 番号
- ・ EC 番号: 200-579-1
- ・ EU 番号: 607-001-00-0

4 応急措置

- ・ **応急手当処置に関する説明**
- ・ **一般情報:**
プロダクトの付着した衣類は速やかに脱ぐこと
中毒症状は時間がかなり経過した後に現れる場合もあるため、事故後最低48時間は医師の監視のもとで過ごすこと
- ・ **吸い込んだ場合:**
外気を送り込み、同時に人工呼吸、温める。状態がよくなる場合には医師に相談する
意識不明の場合には安定させた状態で横向きに寝かせ、移送する
- ・ **皮膚が触れた場合:** 即刻石鹼と水で洗い、よくすすぐ
- ・ **眼に入った場合:** 瞼を開けたまま、流水で何分間か眼をすすぎ、医者に相談する
- ・ **飲み込んだ場合:**
即医者を呼ぶ
十分水を飲み、外気を吸う。速やかに医者を呼ぶ
- ・ **医師への指示事項:**
最も重要な急性及び慢性の症状及び影響 追加的な関連情報は得られていません。
何らかの即時医療処置及び特別治療の必要性を示す兆候 追加的な関連情報は得られていません。

5 火災時の措置

- ・ **消火剤**
- ・ **適切な消火剤:**
CO₂、消火粉末剤あるいは水放射。火が大きい場合には水放射もしくは耐アルコール性泡を使用
- ・ **本化学物質または混合物から発生する特別な危険性** 加熱もしくは火災の際に有毒ガスが発生する
- ・ **消防士向けアドバイス**
- ・ **特別な保護装備:** 呼吸保護マスクを着用

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6 漏出時の措置

- ・ **個人的予防措置、保護具及び応急処置法**
呼吸保護装置を装着
防護服を着用。防護服を着用していない人は近づけない
- ・ **環境関連予防措置:**
製品が下水処理施設や河川に流れ込まないようにする
河川、下水処理施設に流れ込んだ場合には関係当局に連絡する
大量の水で薄める
下水処理施設、地上水あるいは地下水に達しないようにする
- ・ **封じ込め及び浄化のための方法及び材料:**
液体吸収材 (砂、珪藻土、酸結合剤、ユニバーサル結合剤、おがくず) で吸収する
中和剤を使用
13 項に下がい汚染材は廃棄物として処理する
十分な換気を心がける
- ・ **他のセクションへの言及**
安全な取り扱い方に関しては 7 項を参照
人の保護装置の情報に関しては 8 項を参照
廃棄処分に関しては 13 項参照

7 取り扱い及び保管上の注意

- ・ **取り扱い方:**
- ・ **安全操作のための予防措置**
作業場では十分な換気、埃を吸い取るよう心がける
エアゾールの発生を防ぐ
- ・ **火災および爆発防止に関する注意事項:**
発火元は遠ざける。禁煙
静電荷を防ぐ措置をほどこす
呼吸保護装置を用意しておく
- ・ **混融危険性を含めた安全貯蔵条件**
- ・ **保管:**
- ・ **保管スペースおよび容器に関する要求事項:** 特別な要求事項なし
- ・ **同じ場所に保管する際の注意事項:** 必要ない
- ・ **保管条件に関するその他の注意事項:** 容器は密閉した状態に保つ
- ・ **特定の最終用途** 追加的な関連情報は得られていません。

8 ばく露防止及び保護措置

- ・ **技術設備の形体に関する追加注意事項:** その他の申し立てなし、7 項参照

- ・ **管理パラメーター**

- ・ **作業場において限界値の監視を要する成分:**

64-18-6 ぎ酸

OEL 長期値: 9.4 mg/m ³ , 5 ppm
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- ・ **追加注意事項:** 生成時に有効なリストがもとなっている

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・ 暴露管理
・ 人的保護装備:
・ 一般防止措置および衛生措置:

食物、飲み物、飼料からは遠ざける

汚れのしみ込んだ衣類は即刻脱ぐ

休憩の前、作業終了後には手を洗う

防護服は別に保管する

眼に入らないように

眼に入らないよう、また皮膚に接触しないよう注意する

・ 呼吸保護器具:

Agilent の指示に従って目的どおりに使用した場合、通常のラボ条件下および標準的な方法での製品の使用に著しい気中浮遊暴露は生じないため、呼吸用保護具は不要です。

呼吸用保護具が必要であると見なされる緊急条件下では、適切な有機ガスまたは酸性ガスカートリッジを備えた NIOSH または同等の承認済み保護具を使用してください。

・ 手の保護:

化学物質に持続的に接触する場合や洗浄時の使用には推奨できませんが、通常の使用には厚さ 0.28~0.33 ミリのニトリル手袋をお勧めします。

破過時間は 1 時間です。

化学物質に直接接触する流出物の洗浄時には、破過時間が 4 時間を超える、厚さ 0.30~0.38 ミリのブチルゴム手袋をお勧めします。供給業者の推奨事項に従ってください。

・ 手袋材

通常使用時:

ニトリルゴム、厚さ 0.28~0.33 ミリ

化学物質に直接接触する場合:

ブチルゴム、厚さ 0.30~0.38 ミリ

適当な手袋は材質だけではなく、その他の品質によっても変わり、各メーカーによって異なる

・ 手袋材の浸透時間

通常使用時:

ニトリルゴム:

1 時間

化学物質に直接接触する場合:

ブチルゴム:

> 4 時間

・ 眼の保護:


密閉式保護めがね

9 物理的及び化学的性質

・ 基本的な物理及び化学特性に関する情報
・ 一般指示事項
・ 外観
形: 液体

色: 無色

・ におい: 刺すような

・ 嗅覚閾値 決まっていない。

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・pH-値:	決まっていない.
・状態の変化 融点/融解範囲:	-9 °C
沸点/沸点範囲:	107 °C
・引火点:	59 °C
・発火性 (個体、気体):	情報なし
・発火温度:	520 °C
・分解温度:	決まっていない.
・自然発火性:	決まっていない.
・爆発の危険:	決まっていない.
・爆発限界: 下限:	14 Vol %
上限:	33 Vol %
・蒸気圧 約 20 °C:	30 hPa
・密度 約 20 °C:	1.2 g/cm ³
・相対的密度	決まっていない.
・蒸気密度	決まっていない.
・気化速度	決まっていない.
・以下成分における消和性/との混和性 水:	完全に混合できる
・分配係数 (n-オクタノール/水):	決まっていない.
・粘性: 力学的:	決まっていない.
運動性:	決まっていない.
・固形物含有量:	0.0 %
・他の情報	追加的な関連情報は得られていません。

10 安定性及び反応性

- ・反応性 追加的な関連情報は得られていません。
- ・化学的安定性
- ・熱分解/回避すべき条件: 規定どおりの使用では分解しない
- ・危険反応の可能性 危険な反応は起きていない
- ・避けるべき条件 追加的な関連情報は得られていません。
- ・不適合物質: 追加的な関連情報は得られていません。
- ・危険な分解生成物: 危険な分解プロダクトはない

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11 有害性情報

- ・ 毒性学的影響に関する情報
- ・ 急性毒性:

- ・ 分類上の LD/LC50 値:

ATE (急性毒性推定値)

口	LD50	730 mg/kg (rat)
吸収	LC50/4 h	7.4 mg/L (rat)

64-18-6 ざ酸

口	LD50	730 mg/kg (rat)
吸収	LC50/4 h	7.4 mg/L (rat)

- ・ 初期刺激作用:
- ・ 皮膚において: 皮膚と粘膜に強い刺激作用
- ・ 眼において:
強い刺激作用
重大な目の損傷の危険を伴う強い刺激作用
- ・ 感作作用: 感作作用はない
- ・ 毒性に関する補足注意事項:
飲み込んだ場合、口内およびのどに強い刺すような痛み、同時に食道および胃に穿孔の危険

12 環境影響情報

- ・ 毒性
- ・ 水生生物に対する毒性: 追加的な関連情報は得られていません。
- ・ 持続性及び分解性 追加的な関連情報は得られていません。
- ・ 環境システムにおける作用:
- ・ 生体内蓄積能 追加的な関連情報は得られていません。
- ・ 土壌内移動性 追加的な関連情報は得られていません。
- ・ その他のエコロジーに関する注意事項:
- ・ 一般注意事項:
水への危険度分類 1 (ドイツの規定) (リストによる分類): 水に対する危険性はわずかにある
薄めずに、あるいは大量に地下水、河川もしくは下水施設に流してはならない
希薄せずにあるいは中和せずに、廃水もしくは導水路に流してはならない
- ・ PBT (残留性、生物濃縮性、毒性物質) 及び vPvB (高残留性、高生物濃縮性物質) アセスメント
- ・ PBT (残留性、生物濃縮性、毒性物質): 情報なし
- ・ vPvB (高残留性、高生物濃縮性物質): 情報なし
- ・ 他の副作用 追加的な関連情報は得られていません。

13 廃棄上の注意

- ・ 廃棄物処理方法
- ・ 勧告: 家庭ごみとはいっしょに処分できない。下水処理施設に流してはならない
- ・ 洗浄されていないパッケージ:
- ・ 勧告: 関係当局の規則に従って処分する

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 ・**推薦する洗剤:** 水、場合に応じて洗剤も使って

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14 輸送上の注意

・UN 番号

・ADR, IMDG, IATA

UN1779

・国連出荷正式名

・ADR

・IMDG, IATA

 1779 FORMIC ACID
 FORMIC ACID

・輸送の危険性クラス

・ADR



・分類

・危険物ラベル

 8 腐食性成分
 8+3

・IMDG



・Class

・Label

 8 腐食性成分
 8/3

・IATA



・Class

・Label

 8 腐食性成分
 8 (3)

・パッケージの分類

・ADR, IMDG, IATA

II

・環境危険:

情報なし

・ユーザー用特別予防措置

・ケムラー符号:

・EMS (電子メールサービスナンバー) 番号:

・Segregation groups

・Stowage Category

・Segregation Code

警告: 腐食性成分

80

8-05

Acids

A

SG36 Stow "separated from" SGG18-alkalis.

SG49 Stow "separated from" SGG6-cyanides

・マルポール条約 (MARPOL73/78) 付属書II及び

IBCコードに準じたバルク輸送

情報なし

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・輸送/その他の説明:
・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 "模範規制:

UN 1779 FORMIC ACID, 8 (3), II

15 適用法令

・ Concentration of Chemicals

64-18-6 | ぎ酸

・ 該当純物質または混合物に対する安全、衛生及び環境規制・法律

・ 化審法

・ 既存化学物質

2-670

・ 特定化学物質

物質は含まれていない

・ 監視化学物質、旧第二種監視化学物質、旧第三種監視化学物質

物質は含まれていない

・ 優先評価化学物質

物質は含まれている

・ 白物質

物質は含まれていない

・ 既存化学物質安全性点検結果 (分解性・蓄積性)

物質は含まれている

・ 既存化学物質安全性点検結果 (毒性)

物質は含まれていない

・ PRTR 制度 - 第一種指定化学物質

物質は含まれていない

・ PRTR 制度 - 第二種指定化学物質

物質は含まれていない

・ 毒物及び劇物取締法: 劇物

物質は含まれている

・ 毒物及び劇物取締法: 有機シアン化合物から除かれるもの

物質は含まれていない

(10ページに続く)

安全データシート

JIS Z 7253:2012 による

印刷日: 2020.04.10

Version Number 4

改訂日: 2020.04.10

商品名: Formic acid Reagent Grade (1 x 5mL)

(9ページの続き)

・ 毒物及び劇物取締法:毒物 物質は含まれていない
・ 毒物及び劇物取締法:特定毒物 物質は含まれていない
・ 労働安全衛生法 ・ 危険物
・ 爆発性の物 (施行令別表第 1 第 1 号) 物質は含まれていない
・ 発火性の物 (施行令別表第 1 第 2 号) 物質は含まれていない
・ 酸化性の物 (施行令別表第 1 第 3 号) 物質は含まれていない
・ 引火性の物 (施行令別表第 1 第 4 号) 物質は含まれていない
・ 可燃性のガス (施行令別表第 1 第 5 号) 物質は含まれていない
・ 特定化学物質等
・ 第一類物質 物質は含まれていない
・ 第二類物質 物質は含まれていない
・ 第三類物質 物質は含まれていない
・ 名称等を通知すべき有害物 (別表第 9) <div style="text-align: right;">132</div>
・ 製造許可物質 物質は含まれていない
・ 鉛中毒予防規則 (施行令別表第 4) 物質は含まれていない
・ 四アルキル鉛中毒予防規則 (施行令別表第 5) 物質は含まれていない
・ 有機溶剤中毒予防規則第 (施行令別表第 6 の 2)
・ 第一種有機溶剤等 物質は含まれていない
・ 第二種有機溶剤等 物質は含まれていない
・ 第三種有機溶剤等 物質は含まれていない
・ 強い変異原性が認められた化学物質 物質は含まれていない
・ 海洋汚染防止法 物質は含まれている

(11ページに続く)

安全データシート

JIS Z 7253:2012 による

印刷日: 2020.04.10

Version Number 4

改訂日: 2020.04.10

商品名: Formic acid Reagent Grade (1 x 5mL)

(10ページの続き)

・特定物質等の規制等によるオゾン層の保護に関する法律
・特定物質代替物質

物質は含まれていない

・特定物質

物質は含まれていない

・大気汚染防止法

物質は含まれていない

・水質汚濁防止法
・有害物質

物質は含まれていない

・指定物質

物質は含まれていない

・ National Regulations:

・消防法 - 指定数量: 区分外

・消防法 - 類別: 区分外

・化学物質の安全性評価: 化学物質安全性評価が遂行されていない

16 その他の情報

このデータシートは作成時における最新情報に基づいて作成されています。しかしながら記載されている内容は情報提供であり、その正確性あるいは完全性に関していかなる保証をなすものではありません。

・縮約と二文字語:

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

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: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

PRTR/化管法: 化学物質排出把握管理促進法

引火性液体 区分3: Flammable liquids – Category 3

急性毒性(経口) 区分4: Acute toxicity – Category 4

皮膚腐食性/刺激性 区分1A: Skin corrosion/irritation – Category 1A

重篤な眼の損傷性/眼刺激性 区分1: Serious eye damage/eye irritation – Category 1

特定標的臓器有害性(単回暴露) 区分1: Specific target organ toxicity (single exposure) – Category 1

特定標的臓器有害性(反復暴露) 区分2: Specific target organ toxicity (repeated exposure) – Category 2

水生環境有害性(急性毒性) 区分3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

・* 前の版からデータを変更

SAFETY DATA SHEET

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, CO₂, 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	<p>ACGIH TLV (United States, 3/2018). Absorbed through skin. TWA: 20 ppm 8 hours.</p> <p>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.</p> <p>NIOSH REL (United States, 10/2016). TWA: 20 ppm 10 hours. TWA: 34 mg/m³ 10 hours.</p> <p>OSHA PEL (United States, 5/2018). TWA: 40 ppm 8 hours. TWA: 70 mg/m³ 8 hours.</p>

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	Rat	17100 ppm	4 hours
	LD50 Oral	Rat	2460 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	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	Aquatic plants - Lemna minor	96 hours
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	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	≥50 - ≤75	COMBUSTIBLE DUSTS
Acetonitrile	≥10 - <22	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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