

安全資料表

本安全資料表符合下列要求： 臺灣、 CNS 15030

產品代碼 HRLS00445

產品名稱 Foresight CHT Type I-40 Column

修訂日期 06-七月-2021

修訂編號 1.1

一：化學品與廠商資料

物品名稱

產品名稱 Foresight CHT Type I-40 Column

目錄編號 7324735, 7324755, 7324822, 7324823

其他名稱

同義名稱 無。

Pure substance/mixture Mixture

建議用途及限制使用

建議用途 實驗室化學品

限制使用 無可用資訊。

製造者、輸入者或供應者名稱、地址及電話

公司總部
Bio-Rad Laboratories Inc.
1000 Alfred Nobel Drive
Hercules, CA 94547
USA

製造者
Bio-Rad Laboratories, Life Science Group
2000 Alfred Nobel Drive
Hercules, California 94547
USA

法人/聯繫地址
美商伯瑞股份有限公司台灣分公司，台灣台北南京东路四段126号 14F-B， 邮编：10546

技術服務 886-2-2578-7189
ctsthailand@bio-rad.com

電子信箱 無可用資訊

緊急聯絡電話/傳真電話
24 小時緊急聯絡電話

CHEMTREC 臺灣/台灣: 886-2-7741-4207

二：危害辨識資料

化學品危害分類

Flammable liquids

Category 3

急性水生毒性

級別3

標示內容



Signal word

Warning

Hazard statements

Flammable liquid and vapor

Harmful to aquatic life

危害防範措施**Precautionary Statements - Prevention**

Avoid release to the environment

Ground and bond container and receiving equipment

Use non-sparking tools

Take action to prevent static discharges

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Wear protective gloves/protective clothing/eye protection/face protection

危害防範措施 - 反應

如皮肤(或头发)沾染：立即脱掉所有沾染的衣服。用水清洗皮肤 [淋浴]

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

危害防範措施 - 儲存

存放於通風良好的地方。保持低溫

危害防範措施 - 處置

按照適用的地方，區域，國家和國際規章處置內裝物/容器

其他危害**三：成分辨識資料****純物質**

Not applicable

Mixture

中英文名稱	化學文摘社登記號碼(CAS No.)	濃度或濃度範圍(成分百分比)
乙醇	64-17-5	10 - 20

四：急救措施**不同的暴露途徑和急救方法****General advice**

No hazards which require special first aid measures.

Inhalation

Remove to fresh air.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Ingestion

Rinse mouth thoroughly with water.

最重要症狀及危害效應

No information available.

Self-protection of the first aider

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.

Note to physicians Treat symptomatically.

五：滅火措施

適用滅火劑

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media No information available.

滅火時可能遭遇之特殊危害

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

特殊滅火程序 需要對火災進行評估，以確定消防的適當方案和安全措施，包括建立安全區域，使用的滅火介質，消防員保護，和控制或撲滅火災的行動。

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

六：洩漏處理方法

個人應注意事項，防護設備及緊急步驟

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area.

關於緊急响应人員 使用第 8 節推薦的個人防護設備。

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for cleaning up Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

二次危害防範 遵循環境法規徹底清洗受污染的物體和區域。

七：安全處置與儲存方法

處置 Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

儲存 Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials.

Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible materials

None known based on information supplied.

八：暴露預防措施**工程控制**

淋浴
洗眼台
通風系統。

控制參數

八小時日時量平均容許濃度/短時間時量
平均容許濃度/最高容許濃度

中英文名稱	臺灣	ACGIH TLV
乙醇 64-17-5	TWA: 1000 ppm TWA: 1880 mg/m ³ STEL: 1000 ppm STEL: 1880 mg/m ³	STEL: 1000 ppm

圖例

術語和縮略語參見第16節

生物指標

本(提供的)產品不包含任何當地有關監管部門所確定的有一定生物限值的有害物質。

個人防護設備**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hand protection

Wear suitable gloves. Impervious gloves.

Eye/face protection

Tight sealing safety goggles.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

衛生措施

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

九：物理及化學性質**基本物理及化學性質之資料**

外觀(物質狀態、顏色等)

Physical state

顏色

懸浮
Liquid
白色

氣味
嗅覺閾值

酒精
無可用資訊

特性

值

備註 • 方法

pH

6-8

熔點/凝固點

沸點/沸點範圍

閃火點 (開背或閉杯)

36 °C / 96.8 °F

蒸發率

易燃性(固體、氣體)

爆炸界限

易燃或爆炸上限

易燃或爆炸下限

蒸氣壓

蒸氣密度

無可用資訊
無可用資訊

無可用資訊
無可用資訊

無可用資訊
無可用資訊

密度		無可用資訊
水溶性	部分互溶	
溶解度		無可用資訊
辛醇／水分配係數(log Kow)		無可用資訊
自燃溫度		無可用資訊
分解溫度		無可用資訊
運動粘度		無可用資訊
動力粘度		無可用資訊

其他資料	
VOC Content (%)	Not applicable

十：安定性及反應性

Stability	Stable under normal conditions.
Reactivity	No information available.
Sensitivity to mechanical impact	None
Sensitivity to static discharge	Yes
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	None known based on information supplied.
危害分解物	基於提供的資訊無任何已知的情況。

十一：毒性資料

暴露途徑	
Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.
Symptoms	No information available.

急毒性

毒性數值測量 - 產品資訊

下列值是基於GHS文件的第3.1章節計算而得

ATEmix(口服)	34,958.20 mg/kg
ATEmix(吸入-粉塵/煙霧)	639.50 mg/l

Component Information

中英文名稱	口服LD50	經皮 LD50	吸入LC50
乙醇	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h

術語和縮略語參見第16節

慢毒性或長期毒性

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

下表表明了是否每個機構已列出的作為致癌物的任何組分。

中英文名稱	國際癌症研究機構 (IARC)
乙醇	Group 1

圖例

IARC(國際癌症研究機構)

1類 - 對人體致癌

Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT - single exposure	Based on available data, the classification criteria are not met.
STOT - repeated exposure	Based on available data, the classification criteria are not met.
Target organ effects	Liver. Respiratory system. Eyes. Skin. Central nervous system. Blood. Reproductive system.
Aspiration hazard	Classification not possible.

十二：生態資料Ecotoxicity

Harmful to aquatic life.

水生毒性未知

0 % 的混合物由未知水生環境危害的成分組成。

中英文名稱	藻類／水生植物	魚類	對微生物的毒性	甲殼類
乙醇	-	LC50: 12.0 - 16.0mg/L (96h, Oncorhynchus mykiss) LC50: 13400 - 15100mg/L (96h, Pimephales promelas) LC50: >100mg/L (96h, Pimephales promelas)	-	LC50: 9268 - 14221mg/L (48h, Daphnia magna) EC50: =10800mg/L (24h, Daphnia magna) EC50: =2mg/L (48h, Daphnia magna)

產品資訊

持久性及降解性 無可用資訊。生物蓄積性 對於本品無數據。組分資訊

中英文名稱	分配係數
乙醇	-0.32

土壤中之流動性 無可用資訊。其他不良效應 無可用資訊。**十三：廢棄處置方法**

廢棄處置方法

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

十四：運送資料IMDG

不受管制

IATA

不受管制

特殊運送方法及注意事項
使用者之特別注意事項

請參閱適用的危險貨物相關規則所規定的其他內容

十五：法規資料

安全、衛生及環境法規／對此物質或混合物之特別法令

國家法規

見第8部分國家暴露控制參數

適用法規

職業安全衛生法

勞工作業場所容許暴露標準

國際目錄

與供應者聯絡,取得庫存遵從狀態

圖例：國際法規

關於消耗臭氧層的物質蒙特利爾議定書 不適用

關於持久性有機污染物的斯德哥爾摩公約 不適用

鹿特丹公約 不適用

十六：其他資料製表單位

名稱	地址	電話
Bio-Rad Laboratories , 環境健康與安全		
製表人	職稱	姓名(簽章)
製表日期	修訂日期 06-七月-2021	

安全資料表中所用縮寫及簡寫之解釋或圖例

圖例 第八部分: 暴露預防措施

TWA

TWA(時間加權平均濃度)

STEL

STEL(短期暴露限值)

上限

最大限值

*

皮膚指示

C

致癌物

參考文獻

Agency for Toxic Substances and Disease Registry (ATSDR)

美國環境保護局 ChemView 數據庫

歐洲食品安全局(EFSA)

EPA (環境保護局)

急性暴露指導水準 (AEGL(s))

美國環境保護局聯邦殺蟲劑，殺菌劑和殺鼠劑法令

美國環境保護局高產量化學品

食品研究雜誌 (Food Research Journal)

有害物質數據庫

國際統一化學品資訊資料庫 (IUCLID)

日本 GHS 分類

澳大利亞國家工業化學品申報與評估署(NICNAS)

NIOSH(國家職業安全與健康研究所)

國家醫學圖書館的ChemID 加上(NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

國家毒理學計劃(NTP)

新西蘭化學分類和信息數據庫(CCID)

經濟合作與發展組織環境，健康和安全出版物

經濟合作與發展組織高產量化學品方案

經濟合作與發展組織篩選信息數據集

RTECS(化學物質毒性效應資料庫)

世界衛生組織

修訂說明

對整個 SDS 進行重大更改。審查所有章节。

免責聲明

根據我們所掌握的最新知識、資訊和觀念，本物質安全資料表中所提供的資訊是正確的。所提供的資訊僅為安全操作、使用、加工、儲存、運輸、處置和排放的指南，並不能作為保證書或品質說明書。這些資訊僅用於指定的特定物質，可能不適用於結合了其他任何物質或經過任何加工的物質，除非文中另有規定

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