

# 高雄醫學大學危害通識計畫

## Kaohsiung Medical University

### Hazard Communication Plan

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#### 1、法源依據

##### Article 1 Legal Basis

(1) 職業安全衛生法第十條。

1. Article 10 of the Occupational Safety and Health Act.

(2) 危害性化學品標示及通識規則第十七條規定。

2. Article 17 of the Regulations for the Labeling and Hazard Communication of Hazardous Chemicals.

#### 2、目的

##### Article 2 Purpose

訂定高雄醫學大學危害通識計畫(以下簡稱本計畫)，作為各實驗室工作人員使用危害性化學品之管理及宣導、教育之準則，使每位教職員工生確實認知工作環境中危害性化學品之特性，迅速掌握使用之管理狀況，以預防危害之發生，保障人員安全與衛生。

Kaohsiung Medical University (KMU) formulates the KMU Hazard Communication Plan ("this Plan") as the basis for the management, dissemination, and education of all laboratory staff on the use of hazardous chemicals, so that each faculty and staff member and student essentially understands the characteristics of hazardous chemicals in their work environment and promptly discerns the management status of chemical use, in order that hazard can be prevented and people's safety and health be protected.

#### 3、適用對象

##### Article 3 Applicability

本校各學系及處室單位、中心、所、科之實驗室、教學實驗室(以下簡稱適用作業場

所)，本校附屬單位之實驗室另定之。

Laboratories and teaching laboratories (“the applicable workplaces”) under all academic departments, offices, units, centers, institutes, and programs of KMU. Plans for laboratories under KMU’s affiliated units shall be separately formulated.

#### 4、權責

##### Article 4 Authority and Responsibilities

###### (1) 環境保護暨職業安全衛生室(以下簡稱環安室)

###### 1. Office of Environmental Protection, Occupational Safety and Health (EHS)

訂定危害通識計畫，推動並督導其運作執行。

Formulate the Hazard Communication Plan, and promote and supervise its implementation.

###### (2) 各適用作業場所負責人

###### 2. Officers in charge of the applicable workplaces

###### 1. 置備危害性化學品清單與安全資料表(SDS, Safety Data Sheet)之維護與更新。

(1) Prepare, maintain, and update the Hazardous Chemicals List and Safety Data Sheets (SDSs).

###### 2. 容器的危害標示。

(2) Hazard labeling on containers.

###### 3. 使相關之實驗室工作者接受危害通識教育訓練。

(3) Make sure the relevant laboratory workers receive hazard communication education and training.

#### 5、危害性化學品清單

##### Article 5 Hazardous Chemicals List

###### (1) 確實製作填寫危害性化學品清單

###### 1. Make sure the Hazardous Chemicals List is accurately prepared and completed.

製作危害性化學品清單（如附表一），了解各場所存放危害性化學品之種類及數量等詳細資料，於緊急應變及救災時可供運用與掌握相關資訊。若該危害性化學品為毒性化學物質，則需另循相關規定紀錄與保存。

Prepare the Hazardous Chemicals List (Table 1) and discern the details (e.g., types and quantities) of hazardous chemicals stored in various places, so that such relevant information can be used and mastered in case of emergency and rescue. Hazardous chemicals that are toxic chemical substances shall be separately recorded and stored in accordance with the relevant regulations.

###### (2) 有關內容應包含

###### 2. Contents shall include:

###### 1. 基本辨識資料。

(1) Basic identification information.

###### 2. 製造商或供應商之名稱、地址及電話。

(2) Name, address, and telephone number of manufacturer or supplier.

###### 3. 使用資料：地點及數量。

(3) Information of use: Location and quantity.

###### 4. 貯存資料：地點及數量。

(4) Storage information: Location and quantity.

###### 5. 製單日期。

(5) Date of list creation.

###### (3) 紀錄及保存

###### 3. Records and Storage

危害性化學品清單應依實際狀況進行更新

The Hazardous Chemicals List shall be updated according to the actual situation.

#### 6、安全資料表

## Article 6      Safety Data Sheets

安全資料表是化學品的身分證，扼要的載明化學品之特性，例如：儲存分類、防火滅火方法、健康危害訊息及防範措施等資料，教導正確使用化學品及預防化學危害，收集並整理安全資料表，為化學實驗室最重要之課題，亦是實驗室工作場所安全的第一步。

Safety Data Sheets (SDSs) are the identity cards of chemicals, indicating concisely the characteristics of chemicals, e.g., storage classification, fire prevention and fire fighting methods, health hazard information, and precautionary statements. SDSs instruct the correct use of chemicals and prevention of chemical hazards. Compilation and organization of the SDSs are the most important task of a chemical laboratory and also the first step towards workplace safety of a laboratory.

(1) 安全資料表應記錄之主要內容：

### 1. Main contents to be included in the SDS:

1. 化學品與廠商資料：化學品名稱、其他名稱、建議用途及限制使用、製造者、輸入者或供應者名稱、地址及電話、緊急聯絡電話/傳真電話。  
(1) Chemical and the manufacturer's information: Name, other names, recommended use and restrictions on use of the chemical; name, address and telephone number, emergency contact number/fax of the manufacturer, importer or supplier.
2. 危害辨識資料：標示內容、其他危害、化學品危害分類。  
(2) Hazards identification information: Label content, other hazards, chemical hazard class.
3. 成分辨識資料：純物質：中英文名稱、同義名稱、化學文摘社登記號碼( CAS No.)、危害成分(成分百分比)。  
(3) Ingredients identification information: Pure material: Chinese and English names, synonymous name, Chemical Abstract Service Number (CAS No.), hazardous ingredients (percentages).
4. 混合物：化學性質、危害成分之中英文名稱、濃度或濃度範圍（成分百分比）。  
(4) Mixture: Chemical properties, Chinese and English names of hazardous ingredients, concentration or concentration ranges (percentages).
5. 急救措施：不同暴露途徑之急救方法、最重要症狀及危害效應、對急救人員之防護、對醫師之提示。  
(5) First aid measures: First aid measures for different exposure routes, the most important symptoms and hazardous effects, protection of first aiders, and notes to physicians.
6. 滅火措施：適用滅火劑、滅火時可能遭遇之特殊危害、特殊滅火程序、消防人員之特殊防護設備。  
(6) Fire fighting measures: Suitable fire extinguisher, specific hazards that may be encountered during fire fighting, specific fire fighting procedure, and specific protective equipment for firefighters.

7. 洩漏處理方法：個人應注意事項、環境注意事項、清理方法。
- (7) Accidental release measures: Personal precautions, environmental precautions, and cleanup methods.
8. 安全處置與儲存方法：處置、儲存。
- (8) Safe handling and storage measures: Handling, storage.
9. 暴露預防措施：工程控制、控制參數、個人防護設備、衛生措施。
- (9) Exposure control measures: Engineering control, control parameters, personal protective equipment, and hygiene measures.
10. 物理及化學性質：外觀（物質狀態、顏色）、氣味、嗅覺閾值、pH 值、熔點、沸點/沸點範圍、易燃性（固體、氣體）、分解溫度、閃火點、自燃溫度、爆炸界限、蒸氣壓、蒸氣密度、密度、溶解度、辛醇 / 水分配係數 ( $\log K_{ow}$ )、揮發速率。
- (10) Physical and chemical properties: Appearance (physical state and color), odor, odor threshold, pH value, melting point, boiling point/boiling range, flammability (solid, gas), decomposition temperature, flash point, auto ignition temperature, explosion limits, vapor pressure, vapor density, density, solubility, partition coefficient ( $\log K_{ow}$ ), and evaporation rate.
11. 安定性及反應性：安定性、特殊狀況下可能之危害反應、應避免之狀況、危害分解物。
- (11) Stability and reactivity: Stability, possible hazardous reactions occurring under specific conditions, conditions to avoid, and hazardous decomposition products.
12. 毒性資料：暴露途徑、症狀、急毒性、慢毒性或長期毒性。
- (12) Toxicological information: routes of exposure, symptoms, acute toxicity, chronic toxicity or long-term toxicity.
13. 生態資料：生態毒性、持久性及降解性、生物蓄積性、土壤中之流動性、其他不良效應。
- (13) Ecological information: Ecotoxicity, persistence and degradability, bioaccumulative potential, mobility in soil, and other adverse effects.
14. 廢棄處置方法：廢棄處置方法。
- (14) Waste disposal measures: Methods of waste disposal.
15. 運送資料：聯合國編號、聯合國運輸名稱、運輸危害分類、包裝類別、海洋污染物（是 / 否）、特殊運送方法及注意事項。
- (15) Transport information: United Nations number (UN No.), UN proper shipping name, transport hazard class, packing group, marine pollutant (yes/no), specific transport measures

and precautionary conditions.

16. 法規資料：適用法規。

(16) Regulatory information: Applicable regulations.

17. 其他資料：參考文獻、製表單位、製表人、製表日期。

(17) Other information: References, list preparation unit, list preparation officer, and the date created.

(2) 有關安全資料表可要求製造商或供應商提供，或自公開資訊

(<http://ghs.osha.gov.tw/CHT/intro/search.aspx>)取得。

2. The relevant SDS can be requested from the manufacturer or supplier, or obtained from the open data platform (<http://ghs.osha.gov.tw/CHT/intro/search.aspx>).

(3) 有關需辦理毒性化學物質登記申報之管制性毒性化學物品，可要求製造商或供應商提供登記文件與安全資料表，或自公開資訊(<http://flora2.epa.gov.tw/toxicweb>)取得。

3. For controlled toxic chemical substances that need to be registered on the Toxic Chemical Substances Registration and Declaration System, one may request the manufacturer or supplier to provide the registration document and SDS, or obtain them from the open data platform (<http://flora2.epa.gov.tw/toxicweb>).

(4) 危害性化學品分類及辨識：

4. Classification and identification of hazardous chemicals:

1. 依「危害性化學品標示及通識規則」之規定，將危害性化學品分類存放，具不相容性之化學品容器應分開處置。存放、使用高壓氣體鋼瓶應直立固定且將充氣鋼瓶與殘氣鋼瓶分開處置及存放。

(1) Hazardous chemicals are classified and stored in accordance with the Regulations for the Labeling and Hazard Communication of Hazardous Chemicals, and containers of incompatible chemicals shall be separately handled. High-pressure gas cylinders shall be placed upright and fixed for storage and use, and charger gas cylinders and residue gas cylinders shall be separately handled and stored.

2. 依「危害性化學品標示及通識規則」之規定，危害性化學品如係混合物，應作整體測試；如未作整體測試，則其健康危害性視同具有各該成分之健康危害性，對於燃燒、爆炸及反應性等物理危害性應使用有科學根據之資料，評估其物理危害性。

(2) In accordance with the Regulations for the Labeling and Hazard Communication of Hazardous Chemicals, if the hazardous chemical is a mixture, it should be tested as a whole. If a mixture has not been tested as a whole, its health hazards are deemed the same as its components' health hazards; the physical hazards of its flammable, explosive, and reactive properties shall

be assessed using scientifically valid data.

- (5) 安全資料表之放置：凡在清單之列的化學品均應製作安全資料表。安全資料表應放置於各實驗(習)場所等適用場所明顯易見處所。

5. Placement of SDSs: SDSs shall be created for all chemicals in the list. SDSs shall be placed at an easily visible place in the applicable workplaces including laboratories (practical venues).

- (6) 安全資料表之管理：

#### 6. Management of SDSs:

1. 若供應商已提供該物質之安全資料表，則確認其正確性、合法性，以及將其中文化。(必要時輔以外文)
- (1) If the supplier has provided the substance's SDS, its accuracy and legality shall be verified, and it shall be translated into Chinese (supplemented with a foreign language when necessary).
2. 若未供應，則要求其供應。要求之信函及供應商表示無法供應之文件應存檔。
- (2) Request the SDS from the supplier if it is not provided. The requesting letter and the supplier's reply stating it is unavailable shall be kept on file.
3. 供應商無法提供安全資料表時，適用作業場所負責人應依「危害性化學品標示及通識規則」規定之格式，由網路上下載自行製作安全資料表。
- (3) When the supplier is unable to provide the SDS, the officer in charge of the applicable workplace shall download the template from online and create the SDS on his/her own in accordance with the format specified in the Regulations for the Labeling and Hazard Communication of Hazardous Chemicals.
4. 安全資料表之危害資訊應隨時複查並修正，至少每三年更新一次。
- (4) Hazard information on the SDSs shall be reviewed and revised from time to time, and updated at least once every 3 years.

#### 7、危害性化學品標示

##### Article 7 Labeling of Hazardous Chemicals

明確標示為提昇工作者對危害性化學品認知的第一步；為清楚辨識危害性化學品，應依危害物特性適當歸類後，採用「化學品全球調和制度(GHS)」規定的顏色、符號，以張貼清晰易懂的圖示。依據危害性化學品標示及通識規則第五條，容器上應標示其分類及危害圖式(如附表二所示)，各項分類及危害圖示可參考附表三。

Explicit labeling is the first step of enhancing workers' perception of hazardous chemicals. In order to clearly identify hazardous chemicals, the colors and signs specified in the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) shall be used to post an easy-to-understand icon after appropriate classification according to the hazard characteristics. Pursuant to Article 5 of the Regulations for the Labeling and Hazard Communication of Hazardous Chemicals, the hazard classes and hazard pictograms shall be labeled on the container (as shown in Table 2). Refer to Table 3 for various hazard classes and hazard pictograms.

- (1) 標示內容：

##### 1. Label contents:

1. 中英文名稱。
- (1) Chinese and English names.
2. 危害成分。
- (2) Hazardous ingredients.
3. 警示語。

(3) Signal words.

4. 危害警告訊息。

(4) Hazard statements.

5. 危害防範措施。

(5) Precautionary statements.

6. 製造商或供應商之名稱、地址及電話。

(6) Name, address, and telephone number of manufacturer, importer or supplier.

並加註※更詳細的資料，請參考安全資料表※

And add this note: ※For more details, please refer to the SDS.※

(2) 標示取得方式：

2. Ways of getting the labels:

1. 購買或自行印製。

(1) Purchase or self-print.

2. 自勞動部或環保署化學品全球調和制度網站下載。

(2) Download from the Ministry of Labor or the Environmental Protection Administration's GHS website.

(3) 標示更新與管理：

3. Label update and management:

1. 隨危害物清單或安全資料表之資料修正時，標示應予調整。

(1) When the information on the Hazardous Chemicals List or SDSs is revised, the labels shall be changed accordingly.

2. 容器標示應定期檢視，髒污破損、不堪辨認、脫落或遺失時，應即重新黏貼。

(2) The container labels shall be regularly reviewed, and shall be renewed and reposted when they are stained and damaged, illegible, fallen off or lost.

3. 容器之容積在一百毫升以下者，得僅標示名稱、危害圖式及警示語。

(3) If the container's volume is under 100ml, it may label only the names, hazard pictograms, and signal words.

4. 容器內之危害性化學品為混合物者，其應標示之危害成分指混合物之危害性中符合國家標準 CNS15030 分類，具有物理性危害或健康危害之所有危害性化學品成分。

(4) If the hazardous chemicals in the containers are mixtures, their hazardous ingredients that should be labeled refer to all hazardous ingredients that contain hazardous properties of physical and health hazards that satisfy CNS15030 classification within the mixture.

(4) 危害性化學品容器屬下列情形，得免標示：

4. Labeling is exempted if one of the following conditions apply to the containers containing hazardous chemicals:

1. 外部容器已標示，僅供內襯且不再取出之內部容器。

(1) Inner container inside a labeled external one and is served as an internal lining that will not be taken out.

2. 內部容器已標示，由外部可見到標示之外部容器。

(2) External container with a labeled inner container and the label is visible from the outside.

3. 危害性化學品取自有標示之容器，且僅供立即使用者。

(3) Hazardous chemicals are transferred from labeled containers and are only used immediately.

8、廢棄物處理

Article 8 Waste Disposal

依本校「實驗廢棄物清理辦法」辦理。

To be handled in accordance with the KMU Laboratory Waste Disposal Regulations.

## 9、教育訓練

### Article 9 Education and Training

依本校「高雄醫學大學安全衛生教育訓練計畫」實施並由環安室提供協助。

To be implemented in accordance with the KMU Safety and Health Education and Training Program, with the EHS providing assistance.

## 10、非例行工作應注意事項

### Article 10 Note on Non-routine Work

各適用作業場所進行非例行工作前，如果該工作涉及處理或使用任何危害性化學品者，應知會該單位職業安全衛生業務承辦人員，並明確告知負責該工作之校內工作者及利害相關者瞭解相關的危害性，並準備妥善的防護設備、洩漏處理設備之後，才可進行工作。

Before carrying out non-routine work in various applicable workplaces, the unit's occupational safety and health coordinator shall be informed if the work involves handling or using any hazardous chemicals, and the KMU workers undertaking the task and any stakeholders shall be clearly notified and be aware of the relevant hazards. Also, the work shall be carried out only after protective equipment and release handling equipment are properly prepared.

## 11、「危害性化學品標示及通識規則」規範與罰則

### Article 11 Provisions and Penalties under the “Regulations for the Labeling and Hazard Communication of Hazardous Chemicals”

(1) 依「職業安全衛生法」與「危害性化學品標示及通識規則」之規定辦理

1. In accordance with the Occupational Safety and Health Act and the Regulations for the Labeling and Hazard Communication of Hazardous Chemicals.

(2) 本校各列管單位之負責人違反「職業安全衛生法」第十條、及「危害性化學品標示及通識規則」之規定，未辦理危害通識有關標示及安全資料表更新等事項，得函請勞動檢查機構，經通知限期改善而未如期改善者，依「職業安全衛生法」第四十三、四十四條，處新台幣 3 萬元以上，30 萬元以下罰鍰。

2. If the officers-in-charge of all regulated KMU units violate Article 10 of the Occupational Safety and Health Act and provisions of the Regulations for the Labeling and Hazard Communication of Hazardous Chemicals, and fail to properly handle the hazard communication labeling or update the SDSs, KMU may write to the labor inspection agency for issuing notification of improvement within a deadline. In case of failure to make improvement within the deadline, a fine from NTD 30,000 to



NTD 300,000 will be imposed pursuant to Articles 43 and 44 of the Occupational Safety and Health Act.

- (3) 本校各列管單位之負責人違反「職業安全衛生法」第三十二條、及「職業安全衛生教育訓練規則」第十七條之規定，未辦理危害通識教育訓練，得函請勞動檢查機構，經通知限期改善而未如期改善者，依「職業安全衛生法」第四十五條，處新台幣 3 萬元以上，15 萬元以下罰鍰。

3. If the officers-in-charge of all regulated KMU units violate Article 32 of the Occupational Safety and Health Act and Article 17 of the Regulations for the Labeling and Hazard Communication of Hazardous Chemicals, and fail to deliver hazard communication education and training, KMU may write to the labor inspection agency for issuing notification of improvement within a deadline. In case of failure to make improvement within the deadline, a fine from NTD 30,000 to NTD 150,000 will be imposed pursuant to Article 45 of the Occupational Safety and Health Act.

- (4) 適用作業場所內之勞工有下列情形之一時，除依行政處分外，得依「職業安全衛生法」第四十六條規定，函送勞動檢查機構，處新台幣 3 千元以下罰鍰。

4. If any of the following pertains to the workers in an applicable workplace, they are not only subject to administrative sanction, but may also be brought to the labor inspection agency for a fine below NTD 3,000 pursuant to Article 46 of the Occupational Safety and Health Act.

1. 不遵守本校訂定之實驗室安全衛生工作守則者。

(1) Failure to abide by the KMU Laboratory Safety and Health Code.

2. 無故不接受必要之健康檢查者。

(2) Rejection of necessary health checkup without reason.

3. 無故不接受必要之安全衛生教育訓練者。

(3) Rejection of necessary safety and health education and training without reason.

12、 頒布實施及修正

## Article 12 Promulgation, Implementation, and Amendment

- (1) 本計畫未規定者，依其他相關法規辦理。

1. Matters not covered in this Plan shall be handled in accordance with other relevant law and regulations.

- (2) 本計畫經環境保護暨職業安全衛生委員會審議通過後，自公布日起實施，修正時亦同。

2. This Plan shall be reviewed and passed by the Environmental Protection, Occupational Safety and Health Committee and then implemented on the date of promulgation and shall apply to subsequent amendments.

附表一 **Table 1**

高雄醫學大學危害性化學品清單 KMU Hazardous Chemicals List									
單位 Unit		_____ 學院 _____ 系所(中心) _____ 實驗室 _____ College _____ Department/Institute (Center) _____ Lab					實驗室場所(房間)編號 Lab (Room) No.		
實驗場所所在大樓 Building where the Lab is located		<input type="checkbox"/> 醫學研究大樓 Medical Research Building <input type="checkbox"/> 綜合實驗大樓 Laboratory Complex Building <input type="checkbox"/> 國際學術研究大樓 International Academic Research Building <input type="checkbox"/> 生技教育館 Biotechnology Laboratory Building <input type="checkbox"/> 第一教學大樓 First Teaching Building <input type="checkbox"/> 第一、二棟紀念大樓 KMU First/Second Historic Building <input type="checkbox"/> 濟世大樓 Chi-Shih Building <input type="checkbox"/> 其他：Other:							
藥品種類 Drug Type		<input type="checkbox"/> 有機溶劑 Organic solvents <input type="checkbox"/> 優先化學品 Priority chemicals <input type="checkbox"/> 先驅化學品 Precursor chemicals							
實驗室負責人簽名 Signature of Lab Director				填表人簽名 Applicant's Signature			填表日期 Date		
序號 No.	化學品名稱 Chemical name	其他名稱 Other names	SDS 索引碼 SDS index	使用資料 Information of use			儲存資料 Storage information		
				使用地點 Location of use	月平均使用量 (公斤,公升) Average monthly quantity of use (kg, liter)	月最大使用量 (公斤,公升) Max. monthly quantity of use (kg, liter)	平均儲存量 (公斤,公升) Average storage quantity (kg, liter)	最大儲存量 (公斤,公升) Max storage quantity (kg, liter)	儲存地點 Storage location
1									
2									
3									

製造商或供應商詳細資料 **Details about manufacturer or supplier**

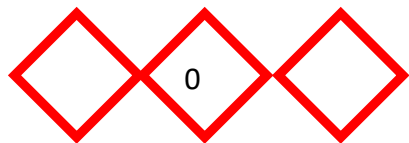
序號 No.	製造商或供應商名稱 Name of manufacturer or supplier	地址 Address	電話 Telephone number
1			
2			
3			

(註:表格不敷使用時, 請自行增加) ※需填報之欄位

(Note: Please add extra rows if space is not enough.) ※ **Required fields**

## 附表二 標示之格式

**Table 2 Label Format**



名稱：**Name:**

危害成分：**Hazardous ingredients:**

警示語：**Signal words:**

危害警告訊息：**Hazard statements:**

危害防範措施：**Precautionary statements:**

製造者、輸入者或供應者：**Manufacturer, importer or supplier:**

(1)名稱 **Name**

(2)地址 **Address**

(3)電話 **Telephone number**

※更詳細的資料，請參考安全資料表

※ For more details, please refer to the Safety Data Sheet.

註：**Notes:**

1.危害圖式、警示語、危害警告訊息依附表一之規定。




1. Hazard pictograms, signal words, and hazard statements shall conform to the provisions in Table 1.



2.有二種以上危害圖式時，應全部排列出，其排列以辨識清楚為原則，視容器情況得有不同排列方式。





2. When there are more than two pictograms, all shall be listed out. The way they are listed shall ensure clear identification and may vary depending on different containers.





### 附表三 危害性化學品之分類、標示要項

**Table 3 Classification and Labeling Requirements of Hazardous Chemicals**






危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
物理性危害 Physical hazards	爆炸物 Explosives	不穩定爆炸物 Unstable explosive		危險 Danger	不穩定爆炸物 Unstable explosive	
		1.1 組 有整體爆炸危險之物質或物品。 Division 1.1 Substances and articles which have a mass explosion hazard.		危險 Danger	爆炸物; 整體爆炸危害 Explosive; mass explosion hazard	
		1.2 組 有拋射危險, 但無整體爆炸危險之物質或物品。 Division 1.2 Substances and articles which have a projection hazard but not a mass explosion hazard.		危險 Danger	爆炸物; 嚴重拋射危害 Explosive; severe projection hazard	






危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
		1.3 組 會引起火災，並有輕微爆炸或拋射危險但無整體爆炸危險之物質或物品。 Division 1.3 Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard.		危險 Danger	爆炸物; 引火、爆炸或拋射危害 Explosive; fire, blast or projection hazard	
		1.4 組 無重大危險之物質或物品。 Division 1.4 Substances and articles which present no significant hazard.		警告 Warning	引火或拋射危害 Fire or projection hazard	
		1.5 組 很不敏感，但有整體爆炸危險之物質或物品。 Division 1.5 Very insensitive substances which have a mass explosion hazard.	1.5 (背景橘色) (Orange background)	危險 Danger	可能在火中整體爆炸 May mass explode in fire	
		1.6 組 極不敏感，且無整體爆炸危險之物質或物品。 Division 1.6 Extremely insensitive articles which do not have a mass explosion hazard.	1.6 (背景橘色) (Orange background)	無 None	無 None	





危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
	易燃氣體 Flammable gases	第 1 級 Category 1		危險 Danger	極度易燃氣體 Extremely flammable gas	
		第 2 級 Category 2	無 None	警告 Warning	易燃氣體 Flammable gas	
	易燃氣膠 Flammable aerosols	第 1 級 Category 1		危險 Danger	極度易燃氣膠 Extremely flammable aerosol	
		第 2 級 Category 2		警告 Warning	易燃氣膠 Flammable aerosol	
	氧化性氣體 Oxidizing gases	第 1 級 Category 1		危險 Danger	可能導致或加劇燃燒；氧化劑 May cause or intensify fire; oxidizer	





危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
	加壓氣體	壓縮氣體 Compressed gas		警告 Warning	內含加壓氣體；遇熱可能爆炸 Contains gas under pressure; may explode if heated	
		液化氣體 Liquefied gas		警告 Warning	內含加壓氣體；遇熱可能爆炸 Contains gas under pressure; may explode if heated	
	Gas under pressure	冷凍液化氣體 Refrigerated liquefied gas		警告 Warning	內含冷凍氣體；可能造成低溫灼傷或損害 Contains refrigerated gas; may cause cryogenic burns or injury	
		溶解氣體 Dissolved gas		警告 Warning	內含加壓氣體；遇熱可能爆炸 Contains gas under pressure; may explode if heated	













危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
	易燃液體 Flammable liquids	第 1 級 Category 1		危險 Danger	極度易燃液體和蒸氣 Extremely flammable liquid and vapour	
		第 2 級 Category 2		危險 Danger	高度易燃液體和蒸氣 Highly flammable liquid and vapour	
		第 3 級 Category 3		警告 Warning	易燃液體和蒸氣 Flammable liquid and vapour	
		第 4 級 Category 4	無 None	警告 Warning	可燃液體 Combustible liquid	
	易燃固體 Flammable solids	第 1 級 Category 1		危險 Danger	易燃固體 Flammable solid	
		第 2 級 Category 2		警告 Warning	易燃固體 Flammable solid	





危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
自反應物質 Self-reactive substances	A 型 Type A			危險 Danger	遇熱可能爆炸 Heating may cause an explosion	
	B 型 Type B		 	危險 Danger	遇熱可能起火或爆炸 Heating may cause a fire or explosion	
	C 型和 D 型 Type C and Type D			危險 Danger	遇熱可能起火 Heating may cause a fire	
	E 型和 F 型 Type E and Type F			警告 Warning	遇熱可能起火 Heating may cause a fire	
	G 型 Type G		無 None	無 None	無 None	






危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
發火性液體 Pyrophoric liquids	第 1 級 Category 1			危險 Danger	暴露在空氣中 會自燃 Catches fire spontaneously if exposed to air	
	第 1 級 Category 1			危險 Danger	暴露在空氣中 會自燃 Catches fire spontaneously if exposed to air	
自熱物質 Self-heating substances	第 1 級 Category 1			危險 Danger	自熱；可能燃燒 Self-heating; may catch fire	
	第 2 級 Category 2			警告 Warning	量大時可自熱；可能燃燒 Self-heating in large quantities; may catch fire	

危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
禁水性物質 Substances which in contact with water emit flammable gases	第 1 級 Category 1			危險 Danger	遇水放出可能自燃的易燃氣體 In contact with water releases flammable gases which may ignite spontaneously	
	第 2 級 Category 2			危險 Danger	遇水放出易燃氣體 In contact with water releases flammable gases	
	第 3 級 Category 3			警告 Warning	遇水放出易燃氣體 In contact with water releases flammable gases	
	氧化性液體 Oxi	第 1 級 Category 1		危險 Danger	可能引起燃燒或爆炸；強氧化劑 May cause fire or explosion; strong oxidizer	





危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
	dizing liquids	第 2 級 Category 2		危險 Danger	可能加劇燃燒；氧化劑 May intensify fire; oxidizer	
		第 3 級 Category 3		警告 Warning	可能加劇燃燒；氧化劑 May intensify fire; oxidizer	
	氧化性固體 Oxidizing solids	第 1 級 Category 1		危險 Danger	可能引起燃燒或爆炸；強氧化劑 May cause fire or explosion; strong oxidizer	
		第 2 級 Category 2		危險 Danger	可能加劇燃燒；氧化劑 May intensify fire; oxidizer	
		第 3 級 Category 3		警告 Warning	可能加劇燃燒；氧化劑 May intensify fire; oxidizer	





危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
有機過氧化物 Organic peroxide	A 型 Type A			危險 Danger	遇熱可能爆炸 Heating may cause an explosion	
	B 型 Type B		 	危險 Danger	遇熱可能起火或爆炸 Heating may cause a fire or explosion	
	C 型和 D 型 Type C and Type D			危險 Danger	遇熱可能起火 Heating may cause a fire	
	E 型和 F 型 Type E and Type F			警告 Warning	遇熱可能起火 Heating may cause a fire	
	G 型 Type G		無 None	無 None	無 None	

危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
	金屬腐蝕物 Corrosive to metals	第 1 級 Category 1		警告 Warning	可能腐蝕金屬 May be corrosive to metals	
健康危害 Health hazards	急性毒性：吞食 Acute toxicity : Swallow	第 1 級 Category 1		危險 Danger	吞食致命 Fatal if swallowed	
		第 2 級 Category 2		危險 Danger	吞食致命 Fatal if swallowed	
		第 3 級 Category 3		危險 Danger	吞食有毒 Toxic if swallowed	





危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
		第 4 級 Category 4		警告 Warning	吞食有害 Harmful if swallowed	
		第 5 級 Category 5	無 None	警告 Warning	吞食可能有害 May be harmful if swallowed	
	急 毒 性 物 質 : 皮 膚 Acute toxicity: Skin	第 1 級 Category 1		危險 Danger	皮膚接觸致命 Fatal in contact with skin	
		第 2 級 Category 2		危險 Danger	皮膚接觸致命 Fatal in contact with skin	
		第 3 級 Category 3		危險 Danger	皮膚接觸有毒 Toxic in contact with skin	
		第 4 級 Category 4		警告 Warning	皮膚接觸有害 Harmful in contact with skin	










危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
		第 5 級 Category 5	無 None	警告 Warning	皮膚接觸可能有害 May be harmful in contact with skin	
	急性毒性物質：吸入 Acute toxicity：Inhalation	第 1 級 Category 1		危險 Danger	吸入致命 Fatal if inhaled	
		第 2 級 Category 2		危險 Danger	吸入致命 Fatal if inhaled	
		第 3 級 Category 3		危險 Danger	吸入有毒 Toxic if inhaled	
		第 4 級 Category 4		警告 Warning	吸入有害 Harmful if inhaled	
		第 5 級 Category 5	無 None	警告 Warning	吸入可能有害 May be harmful if inhaled	
腐蝕		第 1A 級 Category 1A		危險 Danger	造成嚴重皮膚灼傷和眼睛損	

危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
/ 刺激皮膚物質 Skin corrosion/irritation	第 1B 級 Category 1B				傷 Causes severe skin burns and eye damage	
	第 1C 級 Category 1C					
	第 2 級 Category 2			警告 Warning	造成皮膚刺激 Causes skin irritation	
	第 3 級 Category 3	無 None		警告 Warning	造成輕微皮膚刺激 Causes mild skin irritation	
	嚴重損傷 / 刺激 Category 1			危險 Danger	造成嚴重眼睛損傷 Causes serious eye damage	
刺激眼睛物質 Serious eye irritation	第 2A 級 Category 2A			警告 Warning	造成嚴重眼睛刺激 Causes serious eye irritation	

危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division) 、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
眼睛刺激 Eye irritation	第 2B 級 Category 2B		無 None	警告 Warning	造成眼睛刺激 Causes eye irritation	
呼吸道過敏物質 Respiratory sensitization	第 1 級 Category 1			危險 Danger	吸入可能導致過敏或哮喘病症狀或呼吸困難 May cause allergy or asthma symptoms or breathing difficulties if inhaled	

危害性化學品分類 Classification of hazardous chemicals			標示要項 Labeling requirements			備註 Remarks
危害性 Hazard	危害分類 Hazard class	組別 (Division)、 級別 (Category) 或型別 (Type) Division, category, or type	危害圖式 Pictogram	警示語 Signal word	危害警告訊息 Hazard statement	依國家標準 CNS15030 分類之規定辦理。(各危害性依 CNS 15030-1 至 CNS 15030-26 標準分類及標示辦理) Classification shall be done in accordance with CNS15030. (All hazards shall be classified and labeled in accordance with the CNS 15030-1 through CNS 15030-26 standards.)
皮膚過敏物質 Skin sensitization	第 1 級 Category 1			警告 Warning	可能造成皮膚過敏 May cause an allergic skin reaction	
	第 1A 級 Category 1A			危險 Danger	可能造成遺傳性缺陷 May cause genetic defects	
	第 1B 級 Category 1B					
	第 2 級 Category 2			警告 Warning	懷疑造成遺傳性缺陷 Suspected of causing genetic defects	
	第 1A 級 Category 1A			危險 Danger	可能致癌 May cause cancer	
	第 1B 級 Category 1B					
致癌物質 Carcin						

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生殖毒性物質 Reproductive toxicity	毒性 Toxicity	第 2 級 Category 2		警告 Warning	懷疑致癌 Suspected of causing cancer	
	生殖毒性物質 Reproductive toxicity	第 1A 級 Category 1A		危險 Danger	可能對生育能力或對胎兒造成傷害 May damage fertility or the unborn child	
		第 1B 級 Category 1B			可能對生育能力或對胎兒造成傷害 May damage fertility or the unborn child	
		第 2 級 Category 2		警告 Warning	懷疑對生育能力或對胎兒造成傷害 Suspected of damaging fertility or the unborn child	
		影響哺乳期或透過哺乳期產生影響的附加級別 Additional category for effects on or via lactation	無 None	無 None	可能對母乳餵養的兒童造成傷害 May cause harm to breast-fed children	
特定標的器官 Specific target organ		第 1 級 Category 1		危險 Danger	會對器官造成傷害 Causes damage to organs	

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系統 毒性 物質 — 單一 暴露 Specific target organ toxicity - Single exposure	第 2 級 Category 2			警告 Warning	可能會對器官造成傷害 May cause damage to organs	
	第 3 級 Category 3			警告 Warning	可能造成呼吸道刺激或者可能造成困倦或暈眩 May cause respiratory irritation or may cause drowsiness or dizziness	
特定標的器官系統	第 1 級 Category 1			危險 Danger	長期或重複暴露會對器官造成傷害 Causes damage to organs through prolonged or repeated exposure	

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毒性物質－重複暴露 Specific target organ toxicity－Repeated exposure	第 2 級 Category 2			警告 Warning	長期或重複暴露可能對器官造成傷害 May cause damage to organs through prolonged or repeated exposure	
吸入性危害物	第 1 級 Category 1			危險 Danger	如果吞食並進入呼吸道可能致命 May be fatal if swallowed and enters airways	

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	質 Aspiration hazard	第 2 級 Category 2		警告 Warning	如果吞食並進入呼吸道可能有害 May be harmful if swallowed and enters airway	