

**UNIT PENGURUSAN BAHAN KIMIA (CMU)****GUIDELINES FOR LABELLING & RELABELLING OF CHEMICAL BOTTLE****1.0 INTRODUCTION**

The Occupational Safety and Health (Classification, Labeling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 (CLASS Regulations) have been gazetted on 11<sup>th</sup> October 2013. The CLASS Regulations, promulgated under the Occupational Safety and Health Act 1994 (Act 514), have replaced the Occupational Safety and Health (Classification, Packaging and Labeling of Hazardous Chemicals) Regulations 1997 (CPL Regulations). The main objective of the CLASS Regulations is to ensure suppliers of hazardous chemicals provide sufficient information on hazards of chemicals that they supply, to mitigate the risk of accidents happening in the workplace, thus providing a safe and healthy working environment and condition.

**2.0 PURPOSE**

Proper labeling is often legally required to comply with occupational safety and health regulations, such as the Class Regulations. It is also to ensure safe handling, identification, and tracking of chemicals.

Chemical labeling and relabeling are essential practices for maintaining a safe and well-organized laboratory environment. They help prevent accidents, protect personnel, and ensure that chemicals are used correctly and responsibly. Compliance with safety regulations and best practices is a fundamental aspect of chemical handling in any laboratory.


**3.0 RESPONSIBILITY AND ACCOUNTABILITY**

All chemical users, including staff, students and other external parties, are responsible for ensuring the labeling and relabelling comply with Class Regulations.


**4.0 LABELING & RELABELING CONTAINER**

- 4.1 All the chemicals purchased or transferred to the other bottle must comply with CLASS Regulations 2013. For container size of above 125 mL, the packaging shall be labeled legibly and indelibly containing the following information:

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	Information Required	Explanation
a.	Product identifier	RS-Lower Cost Leadfree No Clean Solder Fire
b.	Supplier identification	RS Components Ltd Birchington Road Corby Northants NN17 9RS +44 (0)845 850 9900 RCustomerServicesUK@rs-components.com
c.	Signal word	Warning
d.	Hazard statement	Skin Sens. 1: H317 - May cause an allergic skin reaction.
e.	Hazard pictogram	Choose the relevant pictogram based on your SDS 
f.	Precautionary statement	Please refer your SDS

**4.2 Example label for container size of above 125 mL:**

1	<b>UNLEADED GASOLINE-Premium Grade</b> <b>PETROL TANPA PLUMBUM-GRED PREMIUM</b> Hydrocarbon (Hidrokarbon) > 99% Benzene (Benzena) < 1%	6
2		<b>DANGER</b> <b>BAHAYA</b>
3	<b>HAZARD STATEMENT</b> Extremely flammable liquid and vapour Toxic if inhaled Causes skin and eye irritation Suspected of causing cancer (inhalation)	<b>PERNYATAAN HAZARD</b> Cecair dan wap teramat mudah bakar Toksik jika tersedut Menyebabkan kerengsaan kulit dan mata Disyaki menyebabkan kanser (tersedut)
4	<b>PRECAUTIONARY STATEMENT</b> Keep away from heat/sparks/open flames/hot surfaces-No smoking. Avoid breathing vapour. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.	<b>PERNYATAAN BERJAGA-JAGA</b> Jauhkan dari haba/percikan api/nyalaan terbuka/permukaan panas-Dilarang merokok. Elakkan daripada menyedut wap. Gunakan hanya di luar bangunan atau di dalam kawasan yang dialihdarakan dengan baik. Basuh tangan bersih-bersih selepas mengendalikan bahan. Dapatkan arahan khas sebelum menggunakan bahan. Jangan kendalikan bahan sehingga semua langkah berjaga-jaga keselamatan telah dibaca dan difahami.
5	<b>Manufacturer:</b> Oil Company, 515 Touhy Avenue, Des Plaines, IL 60018 (Pengilang) USA. (24 hr Emergency Tel. No: 800 424-9300 ) <b>Supplier:</b> Syarikat Minyak Petrol Sdn. Bhd., 1126K Jalan Kg. Attap, (Pembekal) 50534 Kuala Lumpur (Tel : 03- 273 1234, 800-1234567 )	

Information display on chemical packaging: (1) Product identification, (2) hazard pictogram, (3) hazard statement, (4) precautionary statement, (5) supplier identification and (6) signal word

4.3 For the container size of 125 mL and below, the packaging shall be labelled legibly and indelibly containing the following information:

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	Information Required	Explanation
a.	Product identifier	Name of chemical
b.	Supplier Identification	Detail of supplier
c.	Signal Word	Please refer your SDS
d.	Hazard pictogram	Choose the relevant pictogram based on your SDS
e.	Statement "Read SDS before use".	Read SDS before use.

4.4 For precise size and format of labeling, users may refer to the Express Labeling Self-Assessment (ELSA) checklist by DOSH Malaysia. The figure below shows the template of chemical labeling which chemical user can use by replacing the information required according to the respective chemical used.

4.5 Example label for container size of below 125 mL:



Display of information on the packaging of chemicals of size 125 mL and below:  
 (1) Product identifier, (2) hazard pictogram (if required), (3) a statement "Read the safety data sheet before use", (4) supplier identification and (5) signal word.

## 5.0 REFERENCE

5.1 Occupational Safety and Health (Classification, Labeling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 (CLASS Regulations).



**PUSAT PENGURUSAN MAKMAL  
UNIVERSITI (PPMU)**

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**6.0 GENERAL/ AMENDMENT**

<b>Issue No.</b>	<b>Review No.</b>	<b>Amendment Details</b>	<b>Effective Date</b>
1	0/2023	New guidelines from revision of: <ul style="list-style-type: none"><li>• Chemical Labeling Format for Chemical Bottle Below 125mL (CMU/F/7)</li><li>• Chemical Re-Labeling Format for Chemical Bottle (CMU/F/7)</li></ul>	01/12/2023