

CLP Compliant Label (GHS Label) – Information Requirements



CLP stands for the Regulation (EC) No 1272/2008 on the **Classification, Labeling and Packaging** of substances and mixtures.

EU manufacturer, importer, downstream user or distributor shall label any substance or mixture which is classified as hazardous and is contained in packaging. The label should be firmly affixed to one or more surfaces of the packaging containing the substance or mixture.

CLP introduces the United Nations globally harmonized system (UN **GHS**) for classification and labeling of chemicals into Europe. Thus CLP label is identical to GHS label in EU.

A CLP compliant label (**GHS label**) shall contain the following elements:

- the name, address and telephone number of the supplier;
- the nominal quantity of the substance or mixture;
- product identifiers;
- hazard pictograms;
- signal word;
- hazard statements;
- appropriate precautionary statements; and
- supplemental information.

Hazard pictograms

A hazard pictogram is a pictorial presentation of a particular hazard. Accordingly, the classification of your substance or mixture determines the hazard pictograms that should be displayed on your label, for example:



Signal words

A signal word indicates to the reader if a hazard is generally more severe or less severe. The label should include the relevant signal word in accordance with the classification of the hazardous substance or mixture. In case your substance or mixture displays a more severe hazard, the label should bear the signal word '**danger**', and in case of less severe hazards, it should bear the signal word '**warning**'.

Hazard statements

Hazard statements describe the nature and severity of the hazards of a substance or mixture. (See Article 21 of CLP)

Precautionary statements

Precautionary statements give advice on measures to prevent or minimize adverse effects to human health or the environment arising from the hazards of a substance or mixture. (See Article 22 of CLP)

Supplemental information

A section (where applicable) in accordance with Article 25 of CLP regulation.

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Sample CLP Compliant Label (GHS Label) Illustration



CH3OH
1L = 0.79kg
M = 32.04 g/mol

XXXXXXXXXXXX

Specification:

purity(GC)	≥	99.9	%
Identity (IR)			conforms
Residue on evaporation	≤	2.0	mg/l
Water	≤	0.02	%
Colour	≤	10	Hazen
Density(20°C)		0.791-0.793	g/ml
Boiling point		64-65	°C
Acidity	≤	0.0002	meq/g
Alkalinity	≤	0.0002	meq/g
Gradient grade (at 235nm)	≤	2.0	mAU
Gradient grade (at 254nm)	≤	1.0	mAU
Fluorescence (as quinine at 254 nm)	≤	1.0	ppb
Fluorescence (as quinine at 365 nm)	≤	0.5	ppb
Transmission (at 220 nm)	≥	55	%
Transmission (at 235 nm)	≥	83	%
Transmission (at 260 nm)	≥	98	%
Absorbance at 225 nm Filtered by 0.2 µm filter	≤	0.17	

Suitable for UPLC/UHPLC/ Ultra HPLC instruments

Product Identifier

Methanol
CAS number: 67-56-1, EC number: 200-659-6
gradient grade for liquid Chromatography
20KG

Index-No: 603-001-00-X
Manufactured by or supplied by
Chemical Inspection and Regulation
Service Limited
Singleton House, Laurence Street
Drogheda, Ireland
Tel. +353 41 9806916
www.cirs-reach.com

Supplier Information

GHS Hazard Pictograms



IMO: METHANOL
ICAO: METHANOL

UN1230

Danger

Signal Words

Highly flammable liquid and vapor.
Toxic if inhaled.
Toxic in contact with skin.
Toxic if swallowed.

Hazard Statement

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of soap and water.
IF exposed: Immediately call a POSION CENTER or doctor/physician.

Precautionary Statement