

Chloroform

Identification

Substance name: Chloroform ,Trichloromethane
CAS no.: 67-66-3
EINECS no.: 200-663-8
Index no: 602-006-00-4

Classification and Labelling

Classification and labelling according to CLP / GHS

[A : Official Classification according to EU regulation 1272/2008 Annexe VI table 3.1](#)

A1 Classification

The substance is classified as follows:

- for health hazards:

Acute toxicity - oral: Acute Tox. 4 (Hazard statement: H302: Harmful if swallowed.)

Carcinogenicity: Carc. 2 (Hazard statement: H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routs of exposure cause the hazard>.)

Specific target organ toxicity - repeated: STOT Rep. Exp. 2 (Hazard statement: H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.)

Specific concentration limits:

Concentration (%)	Classification

>= 5.0

STOT Rep. Exp. 2

A2 Labelling

Signal word: Warning

Hazard pictogram:

GHS07: exclamation mark



GHS08: health hazard



Hazard statements:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. (May act via oral and inhalation routes)

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. (May affect the liver and kidneys, May act via oral and inhalation routes)

[B : Proposed Self classification according to EU regulation 1272/2008](#)

B1 Classification

- for health hazards:

Acute toxicity - oral: Acute Tox. 4 (Hazard statement: H302: Harmful if swallowed.)

Acute toxicity - inhalation:	Acute Tox. 4 (Hazard statement: H332: Harmful if inhaled.)
Skin corrosion/irritation:	Skin Irrit. 2 (Hazard statement: H315: Causes skin irritation.)
Serious damage/eye irritation:	Eye Irrit. 2 (Hazard statement: H319: Causes serious eye irritation.)
Reproductive Toxicity:	Repr. 2 (Hazard statement: H361: Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.) Specific effect: retardation in development of foetus
Carcinogenicity:	Carc. 2 (Hazard statement: H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.)
Specific target organ toxicity - repeated:	STOT Rep. Exp. 2 (Hazard statement: H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.) Affected organs: liver, kidneys Route of exposure: Inhalation

B2 Labelling

Signal word: Warning

Hazard pictogram:

GHS07: exclamation mark



GHS08: health hazard



Hazard statements:

H336: May cause drowsiness or dizziness.

H302: Harmful if swallowed.

H332: Harmful if inhaled.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H361: Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. (retardation in development of foetus)

Precautionary statements:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P281: Use personal protective equipment as required.

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 advice/attention.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

3.2. Classification and labelling according to DSD / DPD

[3.2.1. official Classification and labelling according to Annex I of Directive 67/548/EEC](#)

A Classification

The substance is classified as follows:

- for health effects:

Xn; R22 Harmful; Harmful if swallowed.

Xn; R48/20/22 Harmful; Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

Xi; R38 Irritant; Irritating to skin.

Carc. Cat. 3; R40 Limited evidence of a carcinogenic effect.

B Labelling

Indication of danger:

Xn - harmful

R-phrases:

R22 - harmful if swallowed

R48/20/22 - harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed

R38 - irritating to skin

R40 - limited evidence of a carcinogenic effect

S-phrases:

S2 - keep out of the reach of children

S36/37 - wear suitable protective clothing and gloves

S46 - if swallowed, seek medical advice immediately and show this container or label

Specific concentration limits:

Concentration (%)	Classification
>= 5.0	Xn; R22 Harmful; Harmful if swallowed. Xn; R48/20/22 Harmful; Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

3.2.2. Proposed Self classification according to Directive 67/548/EEC criteria

Endpoints	Classification	Justification for classification can be found in section
Acute toxicity	Xn; R20/22 Harmful; Harmful by inhalation and if swallowed. R67 Vapours may cause drowsiness and dizziness.	5.2
Repeated dose toxicity	Xn; R48/20 Harmful; Harmful: danger of serious damage to health by prolonged exposure through inhalation.	5.6
Irritation / Corrosion	Xi; R36/38 Irritant; Irritating to eyes and skin.	5.3.4 and 5.4.3
Carcinogenicity	Carc. Cat. 3; R40 Limited evidence of a carcinogenic effect.	5.8.3
Toxicity to reproduction-development	Repr. Cat. 3; R63 Possible risk of harm to the unborn child.	5.9.3

B Labelling

Indication of danger:

Xn - harmful

R-phrases:

R20/22 - harmful by inhalation and if swallowed

R48/20/22 - harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed

R36/38 - irritating to eyes and skin

R40 - limited evidence of a carcinogenic effect

R63 - possible risk of harm to the unborn child

S-phrases:

S2 - keep out of the reach of children

S36/37/39 - wear suitable protective clothing, gloves and eye/face protection
