

MDI Classification and Labelling requirements

CLASSIFICATION AND LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, as amended up to third Adaptation to Technical Progress COMMISSION REGULATION (EU) No 618/2012



Monomeric MDI

	CAS	EC
Diphenylmethane-4,4'-diisocyanate	101-68-8	202-699-0
Diphenylmethane-2,2'-diisocyanate	2536-05-2	219-799-4
Diphenylmethane-2,4'-diisocyanate	5873-54-1	227-534-9
Diphenylmethane diisocyanate	26447-40-5	247-714-0

Signal word

Danger

Labelling

<p>GHS07: exclamation mark</p>  <p>GHS08: health hazard</p> 	<p><u>Hazard statements:</u></p> <p>H351: Suspected of causing cancer. H332: Harmful if inhaled. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H315: Causes skin irritation. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317: May cause an allergic skin reaction. H373: May cause damage to respiratory system through prolonged or repeated exposure by inhalation.</p>
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	<p><u>Precautionary statements:</u></p> <p>P260: Do not breathe dust, vapour or spray. P280: Wear protective gloves/protective clothing/eye protection. P285: In case of inadequate ventilation wear respiratory protection. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.</p> <p><u>Additional labelling requirements (CLP supplemental hazard statement) :</u></p> <p>EUH204: Contains isocyanates. May produce an allergic reaction.</p>
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Concentrations


Calculate ATE (Acute Toxicity Estimate) for mixture	H332, Acute tox cat. 4
10% ≤ C < 25%	H334, Resp. Sens. cat 1 H351, Carc. cat. 2 H317, Skin Sens. cat. 1 H319, Eye Irrit. cat. 2 H315, Skin Irrit. cat. 2 H335, STOT – SE cat. 3 H373, STOT – RE cat. 2
5% ≤ C < 10%	H334, Resp. Sens. cat 1 H351, Carc. cat. 2 H317, Skin Sens. cat. 1 H319, Eye Irrit. cat. 2 H315, Skin Irrit. cat. 2 H335, STOT – SE cat. 3
1% ≤ C < 5%	H334, Resp. Sens. cat 1 H351, Carc. cat. 2 H317, Skin Sens. cat. 1
0.1% ≤ C < 1%	H334, Resp. Sens. cat. 1

**CLASSIFICATION AND LABELLING ACCORDING TO COUNCIL DIRECTIVE 67/548/EEC
31st ADAPATION**

Indication of danger

Xn; Harmful

Labelling

<p>St Andrew's Cross; Xn</p> 	<p><u>R-phrases:</u> R48/20 - harmful: danger of serious damage to health by prolonged exposure through inhalation R40 - limited evidence of a carcinogenic effect R42/43 - may cause sensitisation by inhalation and skin contact R36/37/38 - irritating to eyes, respiratory system and skin R20 - harmful by inhalation</p> <p><u>S-phrases:</u> S38 - in case of insufficient ventilation, wear suitable respiratory equipment S1/2 - keep locked up and out of reach of children S23 - do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer) (vapour or spray) S36/37 - wear suitable protective clothing and gloves S45 - in case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)</p>
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Concentrations

C ≥ 25%	Xn; R20-36/37/38-40-42/43-48/20
10% ≤ C < 25%	Xn; R36/37/38-40-42/43-48/20
5% ≤ C < 10%	Xn; R36/37/38-40-42/43
1% ≤ C < 5%	Xn; R40-42/43
0.1% ≤ C < 1%	Xn; R42

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Further information

If you have questions or would like further information, please contact the ISOPA secretariat.



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ISOPA is an affiliated organisation within the European Chemical Industry Council (Cefic)

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