



Cal/OSHA, DOT HAZMAT, EEOC, EPA, HAZWOPER, HIPAA, IATA, IMDG, TDG, MSHA, OSHA, and Canada OHS Regulations and Safety Online Training

Since 2008

**This document is provided as a training aid
and may not reflect current laws and regulations.**

Be sure and consult with the appropriate governing agencies
or publication providers listed in the "Resources" section of our website.

www.ComplianceTrainingOnline.com



[Facebook](#)



[LinkedIn](#)



[Twitter](#)



[Website](#)

ANNEXES

ANNEX 1

ALLOCATION OF LABEL ELEMENTS

Annex 1**ALLOCATION OF LABEL ELEMENTS**

For the GHS, the assigned pictogram, signal word and hazard statement are given in that order for each hazard category of the hazard class. Where the hazard class and or categories are covered under the *UN Recommendations on the Transport of Dangerous Goods, Model Regulations*, the assigned corresponding pictogram is given for each category below the GHS requirements.

EXPLOSIVES						
Unstable explosives	Division 1.1	Division 1.2	Division 1.3	Division 1.4	Division 1.5	Division 1.6
					<i>No pictogram</i> 1.5 on orange background	<i>No pictogram</i> 1.6 on orange background
Danger	Danger	Danger	Danger	Warning	Danger	<i>No signal word</i>
Unstable explosive	Explosive; mass explosion hazard	Explosive; severe projection hazard	Explosive; fire, blast or projection hazard	Fire or projection hazard	May mass explode in fire	<i>No hazard statement</i>
No pictogram assigned in the <i>UN Model Regulations</i> (Transport not allowed)						
Notes on the colours of the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations</i>, pictogram elements:						
(1) For Divisions 1.1, 1.2 and 1.3: Symbol exploding bomb: black; background: orange; Division number (1.1, 1.2 or 1.3, as appropriate) and compatibility group (*) in bottom half and figure "1" in bottom corner: black. (2) For Divisions 1.4, 1.5, 1.6: Background: orange; Figures: black; Compatibility group (*) in bottom half and figure "1" in bottom corner: black. (3) The pictogram for Divisions 1.1, 1.2 and 1.3 is also assigned to substances which have an explosive subsidiary risk, but without the indication of the division number and the compatibility group (see also "Self-reactive substances and mixtures" and "Organic peroxides").						

FLAMMABLE GASES				
Category 1	Category 2	-	-	Note
 Danger Extremely flammable gas	<i>No pictogram</i> Warning Flammable gas			Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the symbol, number and border line may be shown in black instead of white. The background colour stays red in both cases.
	Not required under the UN Model Regulations			

FLAMMABLE AEROSOLS				
Category 1	Category 2	-	-	Note
 Danger Extremely flammable aerosol	 Warning Flammable aerosol			Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the symbol, number and border line may be shown in black instead of white. The background colour stays red in both cases.
				

OXIDIZING GASES				
Category 1	-	-	-	Note
				
<p>Danger</p> <p>May cause or intensify fire; oxidizer</p>				<p>Pictogram colours:</p> <p>Symbol (flame over circle): black; Background: yellow; Figure “5.1” in bottom corner: black.</p>

GASES UNDER PRESSURE				
Compressed gas	Liquefied gas	Refrigerated liquefied gas	Dissolved gas	Note
				<p>Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, pictogram elements:</p> <p>(1) Not required for toxic or flammable gases.</p>
<p>Warning</p> <p>Contains gas under pressure; may explode if heated</p>	<p>Warning</p> <p>Contains gas under pressure; may explode if heated</p>	<p>Warning</p> <p>Contains refrigerated gas; may cause cryogenic burns or injury</p>	<p>Warning</p> <p>Contains gas under pressure; may explode if heated</p>	<p>(2) The symbol, number and border line may be shown in white instead of black. The background stays green in both cases.</p>
				

FLAMMABLE LIQUIDS				
Category 1	Category 2	Category 3	Category 4	Note
			<i>No pictogram</i>	Under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations</i> , the symbol, number and border line may be shown in black instead of white. The background colour stays red in both cases.
			Not required under the <i>UN Recommendations on the Transport of Dangerous Goods Model Regulations</i>	

FLAMMABLE SOLIDS				
Category 1	Category 2	-	-	Note
				Colours for pictogram under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations</i> :
Danger Flammable solid	Warning Flammable solid			Symbol (flame): black; Background: white with seven vertical red stripes; Figure "4" in the bottom corner: black.

SELF-REACTIVE SUBSTANCES AND MIXTURES				
Type A	Type B	Types C and D	Types E and F	Type G
				<i>There are no label elements allocated to this hazard category</i>
Danger Heating may cause an explosion	Danger Heating may cause a fire or explosion	Danger Heating may cause a fire	Warning Heating may cause a fire	
Same as for explosives (follow same symbol selection process)				Not required under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations

Notes:

- (1) For Type B, under the *UN Recommendations on the Transport of Dangerous Goods, Model Regulations*, special provision 181 may apply (Exemption of explosive label with competent authority approval. See Chapter 3.3 of *UN Model Regulations* for more details).
- (2) *UN Model Regulations* pictogram colours:
 - Self-reactive substance pictogram: Symbol (flame): black; Background: white with seven vertical red stripes; Figure “4” in the bottom corner: black.
 - Explosives pictogram: Symbol (exploding bomb): black; background orange; figure “1” in the bottom corner: black.

PYROPHORIC LIQUIDS				
Category 1	-	-	-	Note
 <p>Danger</p> <p>Catches fire spontaneously if exposed to air</p>				<p>Colours of UN Recommendations on the Transport of Dangerous Goods, Model Regulations, pictogram:</p> <p>Symbol (flame): black;</p> <p>Background: upper half white, lower half red; figure “4” in bottom corner: black.</p>
				

PYROPHORIC SOLIDS				
Category 1	-	-	-	Note
 <p>Danger</p> <p>Catches fire spontaneously if exposed to air</p>				<p>Colours of UN Recommendations on the Transport of Dangerous Goods, Model Regulations, pictogram:</p> <p>Symbol (flame): black;</p> <p>Background: upper half white, lower half red; figure “4” in bottom corner: black.</p>
				

SELF-HEATING SUBSTANCES AND MIXTURES				
Category 1	Category 2	-	-	Note
				<p>Colours of UN Recommendations on the Transport of Dangerous Goods, Model Regulations, pictogram:</p> <p>Symbol (flame): black; Background: upper half white, lower half red; figure "4" in bottom corner: black.</p>
Danger Self-heating; may catch fire	Warning Self-heating in large quantities; may catch fire			

SUBSTANCES AND MIXTURES, WHICH IN CONTACT WITH WATER, EMIT FLAMMABLE GASES				
Category 1	Category 2	Category 3	-	Note
				<p>Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the symbol, number and border line may be shown in black instead of white. The background stays blue in both cases.</p>
Danger In contact with water releases flammable gases which may ignite spontaneously	Danger In contact with water releases flammable gases	Warning In contact with water releases flammable gases		

OXIDIZING LIQUIDS				
Category 1	Category 2	Category 3	-	Note
				<p>Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, pictogram colours:</p> <p>Symbol (flame over circle): black; Background: yellow; Figure “5.1” in bottom corner: black.</p>
				

OXIDIZING SOLIDS				
Category 1	Category 2	Category 3	-	Note
				<p>Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, pictogram colours:</p> <p>Symbol (flame over circle): black; Background: yellow; Figure “5.1” in bottom corner: black.</p>
				

ORGANIC PEROXIDES				
Type A	Type B	Types C and D	Types E and F	Type G
	 			<i>There are no label elements allocated to this hazard category</i>
Danger Heating may cause an explosion	Danger Heating may cause a fire or explosion	Danger Heating may cause a fire	Warning Heating may cause a fire	
Same as for explosives (follow same symbol selection process)	 			Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations</i> .
<u>Notes:</u> <ul style="list-style-type: none"> (1) For Type B, under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations</i>, special provision 181 may apply (Exemption of explosive label with competent authority approval. See Chapter 3.3 of UN Model Regulations for more details). (2) UN Model Regulations pictogram colours: <ul style="list-style-type: none"> - Organic peroxide pictogram: Symbol (flame): black or white; background: upper half: red; lower half: yellow; Figure “5.2” in the bottom corner: black. - Explosives pictogram: Symbol (exploding bomb): black; background orange; figure “1” in the bottom corner: black. (3) The label conforming to the colouring scheme in the table for oxidizing liquids may be used until 1 January 2011. 				

CORROSIVE TO METALS				
Category 1	-	-	-	Note
 <p>Warning</p> <p>May be corrosive to metals</p>				<p>Under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, pictogram colours:</p> <p>Symbol (corrosion): black; background: upper half: white; lower half: black with white border; Figure "8" in the bottom corner: white.</p>
				

ACUTE TOXICITY: ORAL				
Category 1	Category 2	Category 3	Category 4	Category 5
				<i>No pictogram</i>
Danger Fatal if swallowed	Danger Fatal if swallowed	Danger Toxic if swallowed	Warning Harmful if swallowed	Warning May be harmful if swallowed
			<p>Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations</i>.</p> <p><u>Note:</u></p> <p>For gases under the UN Model Regulations , replace the number 6 in the bottom corner of the pictogram by 2.</p> <p>UN Model Regulations pictogram colours: Symbol (skull and crossbones): black; Background: white; Figure “6” in bottom corner: black.</p>	

ACUTE TOXICITY: SKIN				
Category 1	Category 2	Category 3	Category 4	Category 5
				<i>No pictogram</i>
Danger Fatal in contact with skin	Danger Fatal in contact with skin	Danger Toxic in contact with skin	Warning Harmful in Contact with skin	Warning May be harmful in contact with skin
			<p>Not required under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations.</p> <p>Note:</p> <p>For gases under the UN Model Regulations, replace the number “6” in the bottom corner of the pictogram by “2”.</p> <p>UN Model Regulations pictogram colours: Symbol (skull and crossbones): black; Background: white; Figure “6” in bottom corner: black.</p>	

ACUTE TOXICITY: INHALATION				
Category 1	Category 2	Category 3	Category 4	Category 5
				<i>No pictogram</i>
Danger Fatal if inhaled	Danger Fatal if inhaled	Danger Toxic if inhaled	Warning Harmful if inhaled	Warning May be harmful if inhaled
			<p>Not required under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations.</p> <p>Note:</p> <p>For gases under the UN Model Regulations, replace the number “6” in the bottom corner of the pictogram by “2”.</p> <p>UN Model Regulations pictogram colours: Symbol (skull and crossbones) and figure: black; Background: white.</p>	

SKIN CORROSION/IRRITATION				
Category 1A	Category 1B	Category 1C	Category 2	Category 3
				<i>No pictogram</i>
Danger Causes severe skin burns and eye damage	Danger Causes severe skin burns and eye damage	Danger Causes severe skin burns and eye damage	Warning Causes skin irritation	Warning Causes mild skin irritation
			<p>Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations</i>.</p> <p>Note: UN Model Regulations pictogram colours: Symbol (corrosion): black background: upper half: white; lower half: black with white border; Figure "8" in the bottom corner: white.</p>	

SERIOUS EYE DAMAGE/ EYE IRRITATION				
Category 1	Category 2A	Category 2B	-	-
		<i>No pictogram</i>		
Danger Causes serious eye damage	Warning Causes serious eye irritation	Warning Causes eye irritation		
Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations</i>.				

RESPIRATORY SENSITIZATION				
Category 1	Category 1A	Category 1B	-	-
				
Danger May cause allergy or asthma symptoms or breathing difficulties if inhaled	Danger May cause allergy or asthma symptoms or breathing difficulties if inhaled	Danger May cause allergy or asthma symptoms or breathing difficulties if inhaled		
Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations.</i>				

SKIN SENSITIZATION				
Category 1	Category 1A	Category 1B	-	-
				
Warning May cause an allergic skin reaction	Warning May cause an allergic skin reaction	Warning May cause an allergic skin reaction		
Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations.</i>				

GERM CELL MUTAGENICITY				
Category 1A	Category 1B	Category 2	-	-
Danger May cause genetic defects <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>	Danger May cause genetic defects <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>	Warning Suspected of causing genetic defects <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>		
Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations.</i>				

CARCINOGENICITY				
Category 1A	Category 1B	Category 2	-	-
Danger May cause cancer <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>	Danger May cause cancer <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>	Warning Suspected of causing cancer <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>		
Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations.</i>				

TOXIC TO REPRODUCTION				
Category 1A	Category 1B	Category 2	Additional Category on effects on or via lactation	-
 Danger May damage fertility or the unborn child <i>(state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>	 Danger May damage fertility or the unborn child <i>(state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>	 Warning Suspected of damaging fertility or the unborn child <i>(state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>	<i>No pictogram</i> <i>No signal word</i> May cause harm to breast-fed children.	
Not required under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations.				

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)				
Category 1	Category 2	Category 3	-	-
				
Danger Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	Warning May cause damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	Warning (respiratory tract irritation) May cause respiratory irritation or (Narcotic effects) May cause drowsiness or dizziness		
Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations.</i>				

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)				
Category 1	Category 2	-	-	-
				
Danger Causes damage to organs (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)	Warning May cause damage to organs (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)			
Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations.</i>				

ASPIRATION HAZARD				
Category 1	Category 2	-	-	-
 Danger May be fatal if swallowed and enters airways	 Warning May be harmful if swallowed and enters airways			
Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations.</i>				

AQUATIC HAZARD (ACUTE)				
Category 1	Category 2	Category 3	-	Note
 Warning Very toxic to aquatic life	<i>No pictogram</i> <i>No signal word</i>	<i>No pictogram</i> <i>No signal word</i>		For Category 1, under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the pictogram is not required if the substance presents any other hazards covered by UN Model Regulations. If no other hazard is presented (i.e. for UN Nos. 3077 and 3082 in Class 9 of the UN Model Regulations), this pictogram is required as a mark in addition to the UN Model Regulations Class 9 label.
	<i>Not required under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations</i>			

AQUATIC HAZARD (LONG-TERM)				
Category 1	Category 2	Category 3	Category 4	Note
 Warning Very toxic to aquatic life with long lasting effects	 <i>No signal word</i>	<i>No pictogram</i> <i>No signal word</i>	<i>No pictogram</i> <i>No signal word</i>	For Categories 1 and 2, under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, the pictogram is not required if the substance presents any other hazards covered by UN Model Regulations. If no other hazard is presented (i.e. for UN Nos. 3077 and 3082 in Class 9 of the UN Model Regulations), this pictogram is required as a mark in addition to the UN Model Regulations Class 9 label.
		<i>Not required under the UN Recommendations on the Transport of Dangerous Goods, Model Regulations</i>		

HAZARDOUS TO THE OZONE LAYER				
Category 1	-	-	-	-
				
Warning Harms public health and the environment by destroying ozone in the upper atmosphere	Not required under the <i>UN Recommendations on the Transport of Dangerous Goods, Model Regulations.</i>			