












Page:	Should be:
18	<p>Characteristics Colourless flammable liquefied gas with a penetrating and suffocating odour.</p>
24	<p>Boron trichloride BCl_3  CAS: 10294-34-5 UN: 1741 Very toxic</p>
28	<p>Bromomethane CH_3Br, Methyl bromide, R-40 B1   CAS: 74-83-9 UN: 1062 Environmental hazard Toxic</p>
Chemical bromomethane 2.5	
29	<p>Source Commercial and laboratory methods of manufacturing bromomethane are generally similar and are based primarily upon the reaction of hydrobromic acid with methanol. More recently proposed processes involve the reaction of hydrogen bromide with excess chloromethane.</p>
29	<p>Applications Bromomethane is used as: – a methylation agent in organic synthesis – a low-boiling solvent Bromomethane is used in fumigation of soils, seeds, flowers and fresh vegetables/fruits as well as for products manufactured of natural materials (e.g., wood, sisal).</p>
29	<p>Note: Bromomethane is controlled under The Montreal Protocol on Substances that Deplete the Ozone Layer.</p>
30	<p>Health risks Highly carcinogenic by inhalation. May cause cancer.</p>
32	<p>1,3-Butadiene C_4H_6   CAS: 106-99-0 UN: 1010 Toxic Extremely flammable</p>
32	<p>Health risks Highly carcinogenic by inhalation. May cause cancer. May cause heritable genetic damage.</p>
46	<p>Health risks Asphyxiant at high concentrations.</p>
50	<p>Transport ADR Class 2, 1TF  DOT Class 2.3 </p>
54	<p>Transport ADR Class 2, 2TF  DOT Class 2.3 </p>
56	<p>Transport ADR Class 2, 2TOC  DOT Class 2.3 </p>

Page: Should be:

Material compatibility

62

Aluminium	Buna® N	Brass	Butyl rubber	Carbon steel	Copper	Kel-F®	Monel®	Neoprene®	Nylon®	Polyethylene	PVC	Stainless steel	Teflon®	Viton®
■	●	▲	●	▲	▲	▲	▲	▲	▲	■	●	●	▲	▲

64

Health risks

May cause cancer.

82

Characteristics

Flammable. Liquefied gas with pungent odour. Highly corrosive in humid conditions.

82

Transport

ADR Class 2, 2TFC



DOT Class 2.3



90

	at 20 °C, [bar]:	14.7	at 70 °F, [psi]	219.8
	Flammability range in air, [% volume]:	13.1 – 28.4		
	Specific volume, at 1.013 bar, 15 °C [m³/kg]	0.459	at 1 atm, 70 °F [ft³/lb]	7.35

96

Transport

ADR Class 2, 2TF



DOT Class 2.3



98

Ethanamine (C₂H₅)NH₂, Ethylamine, Aminoethane

CAS: 75-04-7 UN: 1036



106

Fluorine F₂

CAS: 7782-41-4 UN: 1045



106

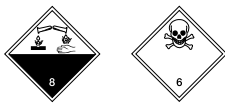
Characteristics

Pale yellow gas with sharp odour. Ignites most organic materials and metals. Highly corrosive. See comprehensive handling directives.

120

Transport

ADR Class 8, CT1



DOT Class 2.8



Material compatibility

138

Aluminium	Buna® N	Brass	Butyl rubber	Carbon steel	Copper	Kel-F®	Monel®	Neoprene®	Nylon®	Polyethylene	PVC	Stainless steel	Teflon®	Viton®
▲	■	■	■	▲	■	▲	●	▲	■	■	●	▲	▲	▲

144

Characteristics

Colourless gas with characteristic mouldy odour. Highly oxidizing at increased temperatures, can then ignite organic material.

150

Transport

ADR Class 2, 10



DOT Class 2.2





































152

Phosgene COCl₂, Carbonyl chloride, Dichloromethanal












CAS: 75-44-5 UN: 1076

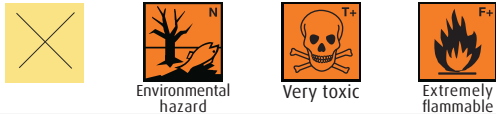











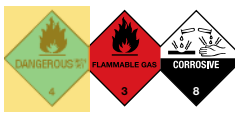



Page:	Should be:
154	<p>Phosphine PH_3, Hydrogen phosphide CAS: 7803-51-2 UN: 2199</p> 
154	<p>Transport ADR Class 2, 2TF</p>  <p>DOT Class 2.3</p> 
162	<p>Propyne C_3H_4, Allylene, Methylacetylene CAS: 74-99-7 UN: 1060</p> 
164	<p>Transport ADR Class 2, 2F</p>  <p>DOT Class 2.1</p> 
166	<p>Silicon tetrachloride SiCl_4, Tetrachlorosilane CAS: 10026-04-7 UN: 1818</p> 
166	<p>Transport ADR Class 8, C1</p>  <p>DOT Class 8</p> 
170	<p>Sulphur dioxide SO_2 CAS: 7446-09-5 UN: 1079</p> 
170	<p>Health risks Toxic. Irritates the eyes and respiratory passages. 5 ppm is considered to be the maximum permissible concentration for exposures of 30–60 min. Normally the odour is detected at 3 ppm, by taste at 0.7 ppm.</p>
178	<p>Trichlorosilane SiHCl_3 CAS: 10025-78-2 UN: 1295</p> 
178	<p>Transport ADR Class 4.3WFC</p>  <p>DOT Class 4.3</p> 
184	<p>Transport ADR Class 2, 2A</p>  <p>DOT Class 2.2</p> 

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54	<p>Transport ADR Class 2, 21F</p>   <p>DOT Class 2.3</p>   <p>INHALATION HAZARD 2 FLAMMABLE GAS 2</p>
56	<p>Transport ADR Class 2, 21OC</p>    <p>DOT Class 2.3</p>    <p>INHALATION HAZARD 2 OXIDIZER 2 CORROSIVE 2</p>

Page: Changed items:

	Material compatibility														
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	■	●	▲	●	▲	▲	▲	▲	▲	▲	■	●	●	▲	▲
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120	Transport ADR Class 8, CT1						DOT Class 2.8								
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	▲	■	■	■	▲	■	▲	●	▲	■	■	●	▲	▲	▲
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