

**INVENTORY LIST**



INVENTORY ITEM	APPROVAL NUMBER	SUBSTANCE STATE	AMOUNT / MAX STORAGE CAPACITY	UN NUMBER
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1. 1,2-Ethanediol (ethylene glycol)	HSR001534	Liquid	1 L	
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<b>Substance Location:</b>	Indoor Storage Cabinet
<b>Hazard Classifications:</b>	6.1D, 6.4A, 6.9A, 9.3C
<b>Storage &amp; Segregation</b>	Store in a cool place out of direct sunlight. Store away from oxidizing agents and foodstuffs. Keep containers closed at all times. Check regularly for leaks.

2. Acetic acid >80% aqueous solution	HSR000975	Liquid	1 L	2789
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<b>Substance Location:</b>	Indoor Storage Cabinet
<b>Hazard Classifications:</b>	3.1C, 6.1D, 6.9B, 8.1A, 8.2B, 8.3A, 9.1D, 9.3C
<b>Incompatible with:</b>	Hydrogen peroxide, 20 - 60% aqueous solution; Nitrous oxide; Oxygen Cylinder; Silver nitrite
<b>Storage &amp; Segregation</b>	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Store in corrosive resistant container with a resistant inner liner. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

3. Acetone	HSR001070	Liquid	1 L	1090
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<b>Substance Location:</b>	Indoor Storage Cabinet
<b>Hazard Classifications:</b>	3.1B, 6.1E, 6.3B, 6.4A
<b>Incompatible with:</b>	Hydrogen peroxide, 20 - 60% aqueous solution; Nitrous oxide; Oxygen Cylinder; Silver nitrite
<b>Storage &amp; Segregation</b>	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Store in corrosive resistant container with a resistant inner liner. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

INVENTORY ITEM	APPROVAL NUMBER	SUBSTANCE STATE	AMOUNT / MAX STORAGE CAPACITY	UN NUMBER
4. Ammonia, 2-10% aqueous solution	HSR001563	Liquid	1 L	2672
<b>Substance Location:</b> Indoor Storage Cabinet <b>Hazard Classifications:</b> 6.1E, 6.3A, 6.4A, 9.1D <b>Storage &amp; Segregation:</b> Store in original containers. Store in cool place and out of direct sunlight. Store away from foodstuffs. Store away from sources of heat or ignition. Store away from incompatible materials. Keep containers closed when not in use - check regularly for leaks.				
5. Bleach - Sodium hypochlorite, >5 - 25% in a non hazardous diluent	HSR004692	Liquid	1 L	1791
<b>Substance Location:</b> Indoor Storage Cabinet <b>Hazard Classifications:</b> 8.2C, 8.3A, 9.1B <b>Incompatible with:</b> Hydrogen peroxide, 20 - 60% aqueous solution; Nitrous oxide; Oxygen Cylinder; Silver nitrite <b>Storage &amp; Segregation:</b> Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.				
6. Chloral hydrate	HSR007276	Solid	1 kg	
<b>Substance Location:</b> Indoor Storage Cabinet <b>Hazard Classifications:</b> 6.3A, 6.4A				
7. Chloroform	HSR002937	Liquid	1 L	1888
<b>Substance Location:</b> Indoor Storage Cabinet <b>Hazard Classifications:</b> 6.1D, 6.3A, 6.4A, 6.7B, 6.8B, 6.9A, 9.1D, 9.3B				
8. Citric acid	HSR003138	Solid	1 kg	
<b>Substance Location:</b> Indoor Storage Cabinet <b>Hazard Classifications:</b> 6.1E, 6.3B, 8.3A <b>Incompatible with:</b> Hydrogen peroxide, 20 - 60% aqueous solution; Nitrous oxide; Oxygen Cylinder; Silver nitrite <b>Storage &amp; Segregation:</b> Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills.				

INVENTORY ITEM	APPROVAL NUMBER	SUBSTANCE STATE	AMOUNT / MAX STORAGE CAPACITY	UN NUMBER								
9. Cutan-1-Propanol	HSR001215	Liquid	0.4 L	1170								
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<b>Incompatible with:</b>	Hydrogen peroxide, 20 - 60% aqueous solution; Nitrous oxide; Oxygen Cylinder; Silver nitrite											
<b>Storage &amp; Segregation</b>	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame											
10. Cutan-Ethanol	HSR001144	Liquid	0.4 L	1170								
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<b>Storage &amp; Segregation</b>	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame											
11. Hydrogen peroxide, 20 - 60% aqueous solution	HSR001326	Liquid	1 L	2014								
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<b>Substance Location:</b>	Indoor Storage Cabinet											
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12. Iodine, >1 - 3% in a non hazardous diluent	HSR006447	Liquid	1 L									
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<b>Substance Location:</b>	Workroom											
<b>Hazard Classifications:</b>	6.3A, 6.4A, 6.5B, 6.9B											
<b>Storage &amp; Segregation</b>	Keep containers tightly closed in a dry, cool and well-ventilated place											
13. Isopropanol	HSR001180	Liquid	1 L	1219								
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<b>Substance Location:</b>	Indoor Storage Cabinet											
<b>Hazard Classifications:</b>	3.1B, 6.1E, 6.3B, 6.4A											
<b>Incompatible with:</b>	Hydrogen peroxide, 20 - 60% aqueous solution; Nitrous oxide; Oxygen Cylinder; Silver nitrite											
<b>Storage &amp; Segregation</b>	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.											

INVENTORY ITEM	APPROVAL NUMBER	SUBSTANCE STATE	AMOUNT / MAX STORAGE CAPACITY	UN NUMBER
14. Methanol	HSR001186	Liquid	1 L	1230
<p><b>Substance Location:</b> Indoor Storage Cabinet</p> <p><b>Hazard Classifications:</b> 3.1B, 6.1C, 6.4A, 6.8B, 6.9A, 9.3C</p> <p><b>Incompatible with:</b> Hydrogen peroxide, 20 - 60% aqueous solution; Nitrous oxide; Oxygen Cylinder; Silver nitrite</p> <p><b>Storage &amp; Segregation</b> Ensure all storage areas have adequate fire-fighting equipment. Store in closed original container in a secure cool dry well-ventilated place, away from sunlight, ignition sources, heat, incompatible substances, aerosols, other flammables, oxidizing agents, and corrosives, out of reach of children, and away from food, drink, and animal foodstuffs.</p>				
15. Nitrous oxide	HSR001065	Gas Non-Permanent	1 kg	3156
<p><b>Substance Location:</b> Workroom</p> <p><b>Hazard Classifications:</b> 5.1.2A, 6.8B, 6.9B</p> <p><b>Incompatible with:</b> Acetic acid &gt;80% aqueous solution; Acetone; Bleach - Sodium hypochlorite, &gt;5 - 25% in a non hazardous diluent; Citric acid; Cutan-1-Propanol; Cutan-Ethanol; Isopropanol; Methanol; Hydrogen peroxide, 20 - 60% aqueous solution; t-Butanol, &gt;20 - 54% in a non hazardous diluent</p> <p><b>Storage &amp; Segregation</b> Do not store near sources of ignition or incompatible materials. Cylinders should be stored below 45°C in a secure area, upright and restrained to prevent cylinders from falling. Cylinders should also be stored in a dry, well ventilated area constructed of non-combustible material with firm level floor (preferably concrete), away from areas of heavy traffic and emergency exits.</p>				
16. Oxygen Cylinder	HSR001029	Gas Permanent	1 m <sup>3</sup>	1072
<p><b>Substance Location:</b> Indoor Storage Cabinet</p> <p><b>Hazard Classifications:</b> 5.1.2A</p> <p><b>Incompatible with:</b> Acetic acid &gt;80% aqueous solution; Acetone; Bleach - Sodium hypochlorite, &gt;5 - 25% in a non hazardous diluent; Citric acid; Cutan-1-Propanol; Cutan-Ethanol; Isopropanol; Methanol; Hydrogen peroxide, 20 - 60% aqueous solution; t-Butanol, &gt;20 - 54% in a non hazardous diluent</p> <p><b>Storage &amp; Segregation</b> Storage: Storage of compressed gas cylinders shall be in compliance with New Zealand HSNO Regulations. Cylinder will be kept away from ignition sources (including static discharges). Cylinders shall be stored in a cool, dry, well-ventilated area out of direct sunlight and away from heat and ignition sources. No part of cylinders shall be exposed to temperatures above 50°C. Cylinders shall be stored upright on a level, fireproof floor, secured in position and protected from damage. Full cylinders shall be stored separately from empties. Cylinders should be moved by hand-truck or cart designed for that purpose. Separation: Avoid any contact with oil or grease particularly to the cylinder valve. Keep oxygen cylinders a minimum of 3 meters away from ignition sources. Keep oxygen cylinders a minimum of 3 meters away from incompatible materials if less than 200m<sup>3</sup> of oxygen is kept on site. Keep oxygen cylinders a minimum of 5 meters away from incompatible materials if more than 200m<sup>3</sup> of oxygen is kept on site.</p>				

INVENTORY ITEM	APPROVAL NUMBER	SUBSTANCE STATE	AMOUNT / MAX STORAGE CAPACITY	UN NUMBER
17. Paraffin liquid	HSR002022	Liquid	1 L	
<b>Substance Location:</b> Indoor Storage Cabinet <b>Hazard Classifications:</b> 6.1E, 6.3B <b>Storage &amp; Segregation</b> Keep in a dry, cool and well-ventilated place. Keep container tightly closed.				
18. Phenol - 2,5-Cyclohexadien-1-one, 2,6-dichloro-4-[(4-hydroxyphenyl)imino]-, sodium salt	HSR007547	Solid	1 kg	
<b>Substance Location:</b> Indoor Storage Cabinet <b>Hazard Classifications:</b> 6.1D <b>Storage &amp; Segregation</b> Keep container tightly closed in a dry and well-ventilated place.				
19. Silver nitrite	HSR006137	Solid	0.1 kg	1493
<b>Substance Location:</b> Indoor Storage Cabinet <b>Hazard Classifications:</b> 5.1.1B, 6.4A <b>Incompatible with:</b> Acetic acid >80% aqueous solution; Acetone; Bleach - Sodium hypochlorite, >5 - 25% in a non hazardous diluent; Citric acid; Cutan-1-Propanol; Cutan-Ethanol; Isopropanol; Methanol; Hydrogen peroxide, 20 - 60% aqueous solution; t-Butanol, >20 - 54% in a non hazardous diluent <b>Storage &amp; Segregation</b> Store product in a dark, dry location, away from organic or other readily oxidizable materials. Keep container closed when not in use. Do not use in eyes. Keep away from children.				
20. t-Butanol, >20 - 54% in a non hazardous diluent	HSR006450	Liquid	1 L	1120
<b>Substance Location:</b> Indoor Storage Cabinet <b>Hazard Classifications:</b> 3.1B, 6.3B, 6.4A <b>Incompatible with:</b> Hydrogen peroxide, 20 - 60% aqueous solution; Nitrous oxide; Oxygen Cylinder; Silver nitrite <b>Storage &amp; Segregation</b> Provision of sufficient ventilation. Keep container tightly closed.				

# HAZARDOUS SUBSTANCES CONTROLS

## HAZARDOUS SUBSTANCES CONTROLS & MESSAGES

## CONTRIBUTING SUBSTANCES

### Health Risks

The substances listed below have the potential to affect the health of your workers. If you can not eliminate the substance or substitute for a less hazardous one then you will need to minimise the risks.

Refer to the [Manage Hazardous Substance Risks](#) section of [Your Practical Guide](#)

6.1 – This substance is acutely toxic

6.3 - This substance is irritating to skin

6.4 - This substance is irritating to eyes

6.5 - This substance is a sensitiser

6.6 - This substance can cause mutation

6.7 - This substance can cause cancer

6.8 - This substance can cause adverse reproductive or developmental effects

6.9 - This substance can cause adverse effects on human body organs or systems

8.2 - This substance is corrosive to skin

8.3 - This substance is corrosive to eyes

The "A" indicates the degree of hazard. An "A" classification is generally of a higher hazard than "B" which is a higher hazard than "C" and so on.

- 1,2-Ethanediol (ethylene glycol) (6.1D, 6.4A, 6.9A)
- Acetic acid >80% aqueous solution (6.1D, 6.9B, 8.2B, 8.3A)
- Acetone (6.1E, 6.3B, 6.4A)
- Ammonia, 2-10% aqueous solution (6.1E, 6.3A, 6.4A)
- Bleach - Sodium hypochlorite, >5 - 25% in a non hazardous diluent (8.2C, 8.3A)
- Chloral hydrate (6.3A, 6.4A)
- Chloroform (6.1D, 6.3A, 6.4A, 6.7B, 6.8B, 6.9A)
- Citric acid (6.1E, 6.3B, 8.3A)
- Cutan-1-Propanol (6.1D, 6.4A)
- Cutan-Ethanol (6.4A)
- Hydrogen peroxide, 20 - 60% aqueous solution (6.1D, 6.9B, 8.2B, 8.3A)
- Iodine, >1 - 3% in a non hazardous diluent (6.3A, 6.4A, 6.5B, 6.9B)
- Isopropanol (6.1E, 6.3B, 6.4A)
- Methanol (6.1C, 6.4A, 6.8B, 6.9A)
- Nitrous oxide (6.8B, 6.9B)
- Phenol - 2,5-Cyclohexadien-1-one, 2,6-dichloro-4-[[4-hydroxyphenyl]imino]-, sodium salt (6.1D)
- Silver nitrite (6.4A)
- t-Butanol, >20 - 54% in a non hazardous diluent (6.3B, 6.4A)
- Paraffin liquid (6.1E, 6.3B)

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## Generic Controls

If you are using, storing or manufacturing hazardous substances there are a number of controls that will apply to all the substances you hold.

### Inventory

You must prepare and maintain an inventory of all your hazardous substances.

Regulation 3.1

### Personal protective Equipment

Personal protective equipment must be used to minimise risks to health and safety.

Regulation GRWM Reg 15

### Safety data sheet

You must have a safety data sheet for all substances listed on your inventory except hazardous waste.

Regulation 2.11

### Training and Supervision of Workers

Every worker must be trained and supervised appropriately.

Regulation 4.5

### Labelling

All hazardous substances should be appropriately labelled including substances you have decanted, transferred, manufactured (even for your own use) or have been supplied to you.

Regulation 2.1

### Packaging

All hazardous substances should be appropriately packaged including substances you have decanted, transferred, manufactured for your own use or have been supplied to you.

Regulation 2.12

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## Hazardous Areas

You may need to establish a hazardous area.

### Regulations

3.1: Regulation 10.6

- Acetic acid >80% aqueous solution (3.1C)
- Acetone (3.1B)
- Cutan-1-Propanol (3.1B)
- Cutan-Ethanol (3.1B)
- Isopropanol (3.1B)
- Methanol (3.1B)
- t-Butanol, >20 - 54% in a non hazardous diluent (3.1B)

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## Secured Substances

These substances must be secured from access by persons other than those permitted by the PCBU to access the substance.

- Methanol (6.1C)

### Regulations

6.1: Regulation 13.10