

## 17.5 Rules: Hazardous Substances

### Notes to Plan Users:

1. *In addition to these District Plan rules, the provisions of the following legislation may also be applicable to activities involving hazardous substances: [Inserted by Plan Change 13, 2 September 2013]*
  - *Hazardous Substances and New Organisms (HSNO) Act 1996 and regulations*
  - *Medicines Act 1981*
  - *Health and Safety in Employment Act 1992*
  - *Building Act 2004*
  - *Health Act 1956*
  - *Radiation Protection Act 1965*
2. *Compliance with the following District Plan provisions does not ensure compliance with the Hazardous Substances and New Organisms (HSNO) Act 1996 and often separate approvals will be required under this Act. Any permitted activity included within this section must also comply with sections 15 and 17 of the Resource Management Act 1991. In addition, activities involving hazardous substances may also require resource consent from the Otago Regional Council. [Inserted by Plan Change 13, 2 September 2013]*
3. *Table 17.1 contains maximum permitted quantity thresholds (plus, in certain cases, storage requirements) for the storage, use or transportation of different types of hazardous substance, as classified via the Hazardous Substance (Classification) Regulations 2001. The quantities vary according to District Plan zone and/or activity type. Where the requirements set out in this table are not met, resource consent will be required under Rule 17.5.2, 17.5.3 or 17.5.4 of this Plan. [Inserted by Plan Change 13, 2 September 2013]*
4. *Unless otherwise stated, if a hazardous substance falls into more than one HSNO sub-class and is therefore controlled by more than one maximum permitted quantity threshold, the base or primary class shall determine the maximum permitted quantity threshold. The base or primary class of a substance is the first classification listed beside any substance within New Zealand Gazette Notice No. 35, as well as on all HSNO required labelling and signage. [Inserted by Proposed Plan Change 13, 2 September 2013]*
5. *All volumes shall be aggregated i.e. as a permitted activity a site may hold the maximum threshold identified in Table 17.1 of each Class 1 plus Class 2 plus Class 3 and/or Class 4.1.3A-C plus Class 4.2A plus Class 4.3A etc. [Inserted by Plan Change 13, 2 September 2013]*
6. *The permitted quantity thresholds in this table apply per site, except for the Campus, Port 1 and 2, Airport, Industrial 1 zones and forestry and timber treatment activities in the Rural and Rural Residential zone, where the permitted quantity thresholds apply per hazardous sub-facility. Where more than one activity is carried out per site or hazardous sub-facility, each hazardous sub-facility shall comply with Rule 17.5.1 or the permitted quantity thresholds Table 17.1, otherwise resource consent will be required under Rule 17.5.2, 17.5.3 or 17.5.4 of this Plan. [Inserted by Plan Change 13, 2 September 2013]*

**Notes to Plan Users (cont):**

7. *Central, Large Scale Retail and Local Activity Zones are included in Table 17.1 within the Group 2 section. [Inserted by Plan Change 13, 2 September 2013]*
8. *Where the volume or weight of a hazardous substance is affected by the temperature and pressure at which it is stored, the volume or weight shall be considered (for the purposes of this table) to be that present in conditions of 20°C and 101.3kPa. [Inserted by Plan Change 13, 2 September 2013]*
9. *The disposal of hazardous substances is adequately controlled by the HSNO Act and by the Regional Plan: Waste for Otago and is not controlled by the District Plan. [Inserted by Plan Change 13, 2 September 2013]*
10. *Where any site contains residential activity then Group 1: Residential Zone thresholds detailed in Table 17.1 shall exclusively apply, regardless of any other activity occurring on the site except for within the Group 4: Rural/Rural Residential zone, where Group 1: Residential Zone thresholds apply to the residential dwelling and curtilage only. [Inserted by Plan Change 13, 2 September 2013]*
11. *Schedule 12 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004 (as amended) provides maximum quantities for the indoor storage and use of LPG. [Inserted by Consent Order ENV-2012-CHC-99, 6 December 2012]*

**Thresholds for Indoor Storage and Use of LPG**

Location	Max. Quantity of LPG	Max. size of cylinder
A detached house or single storey attached dwellings, and Multi-storey attached dwellings up to 3 storeys	20 kg per dwelling	10 kg cylinder
Multi-storey attached dwellings over 3 storeys	10 kg per dwelling	10 kg cylinder
Hotels, bars, restaurants, public buildings, places of worship, shops, offices and laboratories not attached to a dwelling	10 kg per 10 sq. m. of the indoor floor area, up to a maximum total quantity of 100 kg	10 kg cylinder
Hotels, bars, restaurants, public buildings, places of worship, shops, offices and laboratories that are attached to a dwelling	20 kg per premises	10 kg cylinder
Factories and warehouses	45 kg per 50 sq. m. of the indoor floor area, up to a maximum total quantity of 180 kg per occupancy	45 kg cylinder

**Rule 17.5.1 Permitted Activities (Policy 17.3.8)**

The following activities are permitted activities:

- (i) The storage and use of hazardous substances for domestic purposes, associated with a lawfully established residential activity, excluding home occupation. The hazardous substance(s) must form part of a consumer product intended for domestic use. The product must be stored in the container or packaging in which it was sold, and used in accordance with the manufacturer's instructions. *[Amended by Plan Change 13, 2 September 2013]*
- (ii) The storage and use of fuel and other substances that are contained in the fuel system, electrical system or control system of motor vehicles, boats, aircraft and small engines. *[Inserted by Plan Change 13, 2 September 2013]*
- (iii) The storage and use of agrichemicals within the Group 4: Rural/Rural Residential Zone, in accordance with NZS8409:2004. *[Inserted by Plan Change 13, 2 September 2013]*
- (iv) The storage and use of Class 3 fuels within the Group 4: Rural/Rural Residential Zone in accordance with the Environmental Protection Agency's Approved Practice Guide for Above-Ground Fuel Storage on Farms, September 2010. *[Inserted by Plan Change 13, 2 September 2013]*
- (v) The storage and use of fertiliser within the Group 4: Rural/Rural Residential Zone in accordance with the:
  - Fertiliser (Corrosive) Group Standard HSR002569, and
  - Fertiliser (Oxidising) Group Standard HSR002570, and
  - Fertiliser (Subsidiary Hazard) Group Standard HSR002571, and
  - Fertiliser (Toxic) Group Standard HSR002572, and
  - Fert Research's Code of Practice for Nutrient Management 2007 *[Inserted by Plan Change 13, 2 September 2013]*
- (vi) The storage and use of transformer cooling oils in electricity transformers. *[Inserted by Plan Change 13, 2 September 2013]*
- (vii) The transit and two-hour storage maximum of tracked hazardous substances transit and 72-hour storage maximum of non-tracked hazardous substances within the Port 1, Port 2 and Industrial 1 Zones. *[Inserted by Plan Change 13, 2 September 2013]*
- (viii) The storage of hazardous substances (excluding fixed installations) within the Group 6: Port Zone with either a Hazardous Substance Location Certificate or Transit Depot Certificate issued pursuant to the Hazardous Substances (Classes 1 to 5) Regulations 2001 and for Classes 6, 8, 9 in compliance with the HSNO Act 1996. *[Inserted by Plan Change 13, 2 September 2013]*
- (ix) Unless provided for by Rules 17.5.1(i)-(viii), the storage, use, or transportation of hazardous substances not exceeding the quantity limits and other requirements stipulated in Table 17.1. *[Amended by Plan Change 13, 2 September 2013]*

**Table 17.1: Thresholds Above Which a Resource Consent is Required for Hazardous Substances**  
**(IMPORTANT - Table 17.1 must be read with Notes for Plan Users and Permitted Activity Rule 17.5.1) [Amended by Plan Change 13, 2 September 2013]**

Substance	HSNO sub-class and hazard classification	Substance	Group 1: Residential Zones and residential activities in all other zones.	Group 2: Activity, Industry, Stadium, Proposed Harbourside Zones, exc. residential activities.	Group 3: Campus Zone, excluding residential activities.	Group 4: Rural and Rural Residential Zone, excluding residential, forestry and timber treatment activities.	Group 5: Forestry and timber treatment activities in the Rural and Rural Residential Zone.	Group 6: Port Zone, excluding residential activities.	Group 7: Airport Zone, excluding residential activities.	Group 8: Major Facilities (Mercy Hospital) Zone.
Explosives	1.1A-G, J, L Mass explosion hazard	Gunpowder and black powder	15kg	15kg	0	15kg	0	0	0	0
		Display fireworks	0							
		Industrial explosives (e.g. TNT) and all other 1.1	0	25kg	0	25kg	25kg	No threshold	0	0
	1.2B-L Projection hazard	All	No thresholds							
	1.3C, F-L Fire and minor blast hazard	Smokeless ammunition reloading powder	15kg	50kg	0	15kg	15kg	No threshold	15kg	15kg
Explosives	1.3C, F-L Fire and minor blast hazard	Retail fireworks	No thresholds – refer to Hazardous Substance (Fireworks) Regulations 2001							
		All other 1.3	No thresholds							
	1.4B-G, S No significant hazard	Safety ammunition and marine flares	25kg	50kg	5kg	25kg	15kg	50kg	No threshold	25kg
		Retail fireworks	No thresholds – refer to Hazardous Substance (Fireworks) Regulations 2001							
		Sodium Azide	0							
		All other 1.4	No thresholds							
	1.5D Very insensitive, with mass explosion hazard	All	No thresholds							
	1.6N Extremely insensitive, no mass explosion hazard	All	No thresholds							

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Substance	HSNO sub-class and hazard classification	Substance	Group 1: Residential Zones and residential activities in all other zones.	Group 2: Activity, Industry, Stadium, Proposed Harbourside Zones, excluding residential activities.	Group 3: Campus Zone, excluding residential activities.	Group 4: Rural and Rural Residential Zone, excluding residential, forestry and timber treatment activities.	Group 5: Forestry and timber treatment activities in the Rural and Rural Residential Zone.	Group 6: Port Zone, excluding residential activities.	Group 7: Airport Zone, excluding residential activities.	Group 8: Major Facilities (Mercy Hospital) Zone.
Gases and aerosols	2NH (Non-Hazardous)	All	10m <sup>3</sup>	200m <sup>3</sup>	200m <sup>3</sup> 500 litres of non-flammable, non-toxic cryogenic liquids stored in accordance with AS1894:1997	200m <sup>3</sup>	200m <sup>3</sup>	200m <sup>3</sup>	200m <sup>3</sup>	10m <sup>3</sup>
	2.1.1A High hazard flammable gases [Amended by Consent Order ENV-2012-CHC-99, 6 December 2012]	LPG (inc. propane-based refrigerant) in cylinders or multi-vessel tanks. See Note for Plan Users 11 with regard to indoor storage of LPG.	200kg Total Outdoor Storage Quantity	450kg Total Outdoor Storage Quantity	450kg Total Outdoor Storage Quantity	450kg Total Outdoor Storage Quantity	450kg Total Outdoor Storage Quantity	600kg Total Outdoor Storage Quantity	450kg Total Outdoor Storage Quantity	200kg Total Outdoor Storage Quantity
		LPG propane-based refrigerant in commercial refrigeration receivers	0	50kg	50kg	50kg	50kg	50kg	50kg	0
Gases and aerosols	2.1.1A High hazard flammable gases [Amended by Consent Order ENV-2012-CHC-99, 6 December 2012]	Acetylene	1m <sup>3</sup>	2m <sup>3</sup>	30m <sup>3</sup>	30m <sup>3</sup>	30m <sup>3</sup>	30m <sup>3</sup>	30m <sup>3</sup>	1.45m <sup>3</sup>
		Hydrogen, methane and all other permanent gases	0	0	30m <sup>3</sup>	100m <sup>3</sup>	30m <sup>3</sup>	30m <sup>3</sup>	30m <sup>3</sup>	0
Gases and aerosols	2.1.1B Medium hazard flammable gases	Anhydrous ammonia refrigerant	0	140kg	0	0	0	140kg	140kg	0
		All other 2.1.1B	No thresholds							
	2.1.2A Flammable aerosols	All	20 litres	450 litres	450 litres	450 litres	450 litres	450 litres	450 litres	20 litres

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Substance	HSNO sub-class and hazard classification	Substance	Group 1: Residential Zones and residential activities in all other zones.	Group 2: Activity, Industry, Stadium, Proposed Harbourside Zones, excluding residential activities.	Group 3: Campus Zone, excluding residential activities.	Group 4: Rural and Rural Residential Zone, excluding residential, forestry and timber treatment activities.	Group 5: Forestry and timber treatment activities in the Rural and Rural Residential Zone.	Group 6: Port Zone, excluding residential activities.	Group 7: Airport Zone, excluding residential activities.	Group 8: Major Facilities (Mercy Hospital) Zone.	
Flammable liquids (stored above ground in containers with individual capacity ≤450 litres)	3.1A Liquid: Very high hazard (flash point <23°C, initial boiling point ≤35°C)	Petrol	<ul style="list-style-type: none"><li>• 10 litres inside dwelling.</li><li>• 50 litres outside dwelling. (No storage in metal drums)</li></ul>	<ul style="list-style-type: none"><li>• 50 litres (any storage except metal drums).</li><li>• 250 litres in Dangerous Goods cabinet approved to AS 1940.</li><li>• 420 litres in approved HSNO ‘Type’ stores.</li></ul>	2000 litres		<ul style="list-style-type: none"><li>• 50 litres (any storage except metal drums).</li><li>• 250 litres in Dangerous Goods cabinet approved to AS 1940</li><li>• 420 litres in approved HSNO ‘Type’ stores.</li></ul>			<ul style="list-style-type: none"><li>• 10 litres inside dwelling.</li><li>• 50 litres outside dwelling. (No storage in metal drums)</li></ul>	
		All other	0	50 litres							0
		3.1B Liquid: High hazard (FP<23°C, IBP>35°C)	All – e.g. acetone, paint spray thinners, pure alcohol	10 litres	<ul style="list-style-type: none"><li>• 10 litres (any storage).</li><li>• 250 litres in Dangerous Goods cabinet approved to AS 1940.</li><li>• 450 litres in approved HSNO ‘Type’ stores.</li><li>• Large scale retail activities only: 1500 litres in containers of up to 5 litres each.</li><li>• Group 6: Port Zone are permitted to hold 1500 litres in containers of up to 20 litres where a test location certificate is held</li></ul>						100 litres stored in accordance with HSNO requirements.
		3.1A Petrol plus 3.1B	Petrol plus any 3.1B substance – cumulative total limit	<ul style="list-style-type: none"><li>• 10 litres inside dwelling.</li><li>• 50 litres outside dwelling. (No storage in metal drums)</li></ul>	<ul style="list-style-type: none"><li>• 50 litres (any storage except metal drums).</li><li>• 250 litres in Dangerous Goods cabinet approved to AS 1940.</li><li>• 420 litres in approved HSNO ‘Type’ stores.</li></ul>	2000 litres		<ul style="list-style-type: none"><li>• 50 litres (any storage except metal drums).</li><li>• 250 litres in Dangerous Goods cabinet approved to AS 1940.</li><li>• 420 litres in approved HSNO ‘Type’ stores.</li></ul>	2000 litres	<ul style="list-style-type: none"><li>• 50 litres (any storage except metal drums).</li><li>• 250 litres in Dangerous Goods cabinet approved to AS 1940.</li><li>• 420 litres in approved HSNO ‘Type’ stores.</li></ul>	<ul style="list-style-type: none"><li>• 10 litres inside dwelling.</li><li>• 50 litres outside dwelling. (No storage in metal drums)</li></ul>

**(IMPORTANT – Table 17.1 must be read with Notes for Plan Users and Permitted Activity Rule 17.5.1) [Amended by Plan Change 13, 2 September 2013]**

Substance	HSNO sub-class and hazard classification	Substance	Group 1: Residential Zones and residential activities in all other zones.	Group 2: Activity, Industry, Stadium, Proposed Harbourside Zones, excluding residential activities.	Group 3: Campus Zone, excluding residential activities.	Group 4: Rural and Rural Residential Zone, excluding residential, forestry and timber treatment activities.	Group 5: Forestry and timber treatment activities in the Rural and Rural Residential Zone.	Group 6: Port Zone, excluding residential activities.	Group 7: Airport Zone, excluding residential activities.	Group 8: Major Facilities (Mercy Hospital) Zone.	
Flammable liquids (stored above ground in containers with individual capacity ≤450 litres)	3.1C Liquid: Medium hazard (FP≥23°C, but ≤35°C)	All – e.g. kerosene, aviation kerosene	<ul style="list-style-type: none"><li>• 20 litres inside dwelling.</li><li>• 50 litres outside dwelling.</li></ul>	<ul style="list-style-type: none"><li>• 10 litres (any storage).</li><li>• 250 litres in Dangerous Goods cabinet approved to AS 1940.</li><li>• 450 litres in approved HSNO ‘Type’ stores.</li><li>• Large scale retail activities only: 1500 litres in containers of up to 5 litres</li></ul>						<ul style="list-style-type: none"><li>• 20 litres inside dwelling.</li><li>• 50 litres outside dwelling.</li></ul>	
	3.1D Liquid: Low hazard (FP>60°C, but ≤93°C)	All – e.g. diesel, petroleum fuel oils	<ul style="list-style-type: none"><li>• 20 litres inside dwelling.</li><li>• 209 litres outside dwelling</li></ul>	450 litres						<ul style="list-style-type: none"><li>• 20 litres inside dwelling.</li><li>• 209 litres outside dwelling</li></ul>	
Flammable liquids (stored above ground in containers with individual capacity >450 litres)	3.1A Liquid: Very high hazard (flash point <23°C, initial boiling point ≤35°C)	Petrol	0	<ul style="list-style-type: none"><li>• Certified Single skin tanks: 0.</li><li>• Certified Double skin tanks: 600 litres.</li></ul>			<ul style="list-style-type: none"><li>• Certified Single skin tanks: 0.</li><li>• Certified Double skin tanks: 2000 litres.</li></ul>	<ul style="list-style-type: none"><li>• Certified Single skin tanks: 0.</li><li>• Certified Double skin tanks: 600 litres.</li></ul>		0	
		All others	0								
	3.1B Liquid: High hazard (FP<23°C, IBP>35°C)	All – e.g. acetone, paint spray thinners, pure alcohol	0	<ul style="list-style-type: none"><li>• Certified Single skin tanks: 0.</li><li>• Certified Double skin tanks: 600 litres.</li></ul>							0
	3.1C Liquid: Medium hazard (FP≥23°C, but ≤35°C)	All – e.g. kerosene, aviation kerosene	0	<ul style="list-style-type: none"><li>• Certified Single skin tanks: 450 litres.</li><li>• Certified Double skin tanks: 2000 litres.</li></ul>							0

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Flammable liquids (stored above ground in containers with individual capacity >450 litres)	3.1D Liquid: Low hazard (FP>60°C, but ≤93°C)	All – e.g. diesel, petroleum fuel oils	<ul style="list-style-type: none"><li>• Certified Single skin tanks: 450 litres.</li><li>• Certified Double skin tanks: 600 litres.</li><li>• Certified Super vault tanks constructed to South Western Research Institute (SWRI) standards: 10000 litres.</li></ul>	<ul style="list-style-type: none"><li>• Certified Single skin tanks: 450 litres.</li><li>• Certified Double skin tanks: 2000 litres.</li><li>• Certified Super vault tanks constructed to SWRI standards: 10000 litres.</li></ul>	<ul style="list-style-type: none"><li>• Single skin tanks: 450 litres.</li><li>• Double skin tanks: 2000 litres.</li><li>• Super vault tanks constructed to SWRI standards: 10000 litres.</li></ul>	<ul style="list-style-type: none"><li>• Certified Single skin tanks: 450 litres.</li><li>• Certified Double skin tanks: 5000 litres.</li><li>• Certified Super vault tanks constructed to SWRI standards: 30000 litres.</li></ul>	<ul style="list-style-type: none"><li>• Certified Single skin tanks: 450 litres.</li><li>• Certified Double skin tanks: 20000 litres.</li><li>• Certified Super vault tanks constructed to SWRI standards: 30000 litres</li></ul>	<ul style="list-style-type: none"><li>• Certified Single skin tanks: 450 litres.</li><li>• Certified Double skin tanks: 10000 litres.</li><li>• Certified Super vault tanks constructed to SWRI standards: 30000 litres.</li></ul>	Certified double skin tank/s: 5200 litres	
Flammable liquids (stored below ground)	3.1A, 3.1B, 3.1C, 3.1D	All	0							
Flammable liquids (any storage)	3.2A, 3.2B & 3.2C Liquid desensitised explosive: High, medium & low hazard	All	0							



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Flammable solids	4.1.1A Readily combustible solids and solids that may cause fire through friction: Medium hazard	All	0	50kg	50kg	50kg	50kg	50kg	50kg	0
	4.1.1B Readily combustible solids and solids that may cause fire through friction: Low hazard	All	0	500kg	500kg	500kg	500kg	500kg	500kg	0
	4.1.2A&B Self-reactive: Types A&B	All	0	50kg	50kg	50kg	50kg	50kg	50kg	0
	4.1.2C-G Self-reactive: Types C-G	All	0	500kg	500kg	500kg	500kg	500kg	500kg	0
	4.1.3A-C Solid desensitized explosives	All	0	0	5kg	0	0	0	0	0
Flammable solids	4.2A&B Spontaneously combustible – Pyrophoric substances: High hazard & Self-heating substances: Medium hazard	All	0	50kg	50kg	50kg	50kg	50kg	50kg	0
	4.2C Spontaneously combustible – Self-heating substances: Low hazard	All	0	500kg	500kg	500kg	500kg	500kg	500kg	0

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	4.3A&B Solids that emit flammable gas when wet: High & medium hazard	All	0	50kg	50kg	50kg	50kg	50kg	50kg	0
	4.3C Solids that emit flammable gas when wet: Low hazard	All	0	500kg	500kg	500kg	500kg	500kg	500kg	0
Flammable solids	4.2A&B Spontaneously combustible – Pyrophoric substances: High hazard & Self-heating substances: Medium hazard	All	0	50kg	50kg	50kg	50kg	50kg	50kg	0
	4.2C Spontaneously combustible – Self-heating substances: Low hazard	All	0	500kg	500kg	500kg	500kg	500kg	500kg	0
	4.3A&B Solids that emit flammable gas when wet: High & medium hazard	All	0	50kg	50kg	50kg	50kg	50kg	50kg	0
	4.3C Solids that emit flammable gas when wet: Low hazard	All	0	500kg	500kg	500kg	500kg	500kg	500kg	0

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Oxidising substances	5.1.1A-C Liquids & solids	All	10 litres if liquid, 10kg if solid	200 litres if liquid, 200kg if solid	200 litres if liquid, 200kg if solid	No threshold	200 litres if liquid, 200kg if solid	200 litres if liquid, 200kg if solid	200 litres if liquid, 200kg if solid	10 litres if liquid, 10kg if solid	
	5.1.2A Gases	Oxygen (Except as stored and used in accordance with HSNO requirements within medical facilities)	5.5m <sup>3</sup>	1000m <sup>3</sup>	500m <sup>3</sup>	200m <sup>3</sup>	200m <sup>3</sup>	200m <sup>3</sup>	200m <sup>3</sup>	No limit if stored and used in accordance with HSNO requirements within medical facilities.	
		Nitrous oxide (Except as stored and used in accordance with HSNO requirements within medical facilities)	0	30 x 8-gram nitrous oxide cartridges for catering purposes only	0						No limit if stored and used in accordance with HSNO requirements within medical facilities.
		Chlorine	0								0
	5.2A-G Organic Peroxide: Types A-G	All – e.g. MEKP Polyester resin catalyst	0.5 litres	16 litres	0.5 litres	0.5 litres	0.5 litres	0.5 litres	0.5 litres	0.5 litres in addition to Steris 20 Concentrate: 70kg	
Toxic substances	6.1A-C Acutely toxic	Anhydrous ammonia refrigerant	0	140kg	0	0	0	140kg	140kg	0	
		Chlorine	0	0	0	0	0	0	0	0	
		All other substances	0	20 litres if liquid, 20kg if solid	20 litres if liquid, 20kg if solid	20 litres if liquid, 20kg if solid	20 litres if liquid, 20kg if solid	20 litres if liquid, 20kg if solid	20 litres if liquid, 20kg if so	0	
	6.1D&E	Sodium Chloride	5kg	200kg	1000kg	1000kg	1000kg	1000kg	1000kg	5kg	
	6.1D&E	All other substances	1kg	200kg	1000kg	200kg	1000kg	1000kg	1000kg	1kg	

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Toxic substances	6.3A&B Skin irritant	All	1kg	2000kg	1000kg	2000kg	1000kg	1000kg	1000kg	1kg
	6.4A Eye irritant	Cement, Hydrated Lime and Burnt Lime	400kg	50 tonne	1000kg	30 tonne	30 tonne	100 tonne	1000kg	400kg
		Sodium Chloride	5kg	200kg	1000kg	1000kg	1000kg	1000kg	1000kg	5kg
		All Others	1kg	2000kg	1000kg	2000kg	1000kg	1000kg	1000kg	1kg
	6.5A&B Respiratory & contact sensitizers	Cement, Hydrated Lime and Burnt Lime	400kg	50 tonne	1000kg	30 tonne	30 tonne	100 tonne	1000kg	400kg
		All Others	1kg	2000kg	1000kg	2000kg	1000kg	1000kg	1000kg	1kg
	6.6A&B Human mutagens	All	1kg	2000kg	1000kg	2000kg	1000kg	1000kg	1000kg	1kg
	6.7A&B Carcinogens	All	1kg	200kg	1000kg	200kg	1000kg	1000kg	1000kg	1kg
	6.8A-C Human reproductive or developmental toxicants	All	0	0	0	0	0	0	0	0
	6.9A&B Substances affecting human target organs or systems	All	0	0	0	0	0	0	0	0
Radioactive materials	These substances are controlled through the Radiation Protection Act 1965 rather than through HSNO.	All	Quantities specified in the 'Type A' transport package limit, as identified in the International Atomic Energy Agency(IAEA) Regulations for the Safe Transport of Radioactive Material. Examples: domestic smoke detectors, demonstration radioactive sources in school laboratories.							

**(IMPORTANT – Table 17.1 must be read with Notes for Plan Users and Permitted Activity Rule 17.5.1) [Amended by Plan Change 13, 2 September 2013]**

Substance	HSNO sub-class and hazard classification	Substance	Group 1: Residential Zones and residential activities in all other zones.	Group 2: Activity, Industry, Stadium, Proposed Harbourside Zones, excluding residential activities.	Group 3: Campus Zone, excluding residential activities.	Group 4: Rural and Rural Residential Zone, excluding residential, forestry and timber treatment activities.	Group 5: Forestry and timber treatment activities in the Rural and Rural Residential Zone.	Group 6: Port Zone, excluding residential activities.	Group 7: Airport Zone, excluding residential activities.	Group 8: Major Facilities (Mercy Hospital) Zone.
Corrosives	8.1A Substances corrosive to metals	All	5 litres	1000 litres	1000 litres	1000 litres	5000 litres	1000 litres	1000 litres	5 litres
	8.2A-C Substances corrosive to skin	Cement, Hydrated Lime and Burnt Lime	400kg	50 tonne	1000kg	30 tonne	30 tonne	100 tonne	1000kg	400kg
		All	5 litres	1000 litres	1000 litres	1000 litres	5000 litres	1000 litres	1000 litres	5 litres
	8.3A Substances corrosive to the eye	Cement, Hydrated Lime and Burnt Lime	400kg	50 tonne	1000kg	30 tonne	30 tonne	100 tonne	1000kg	400kg
		All	5 litres	1000 litres	1000 litres	1000 litres	5000 litres	1000 litres	1000 litres	5 litres
Ecotoxics	9.1A-D Aquatic ecotoxics and 9.2A-D Soil ecotoxics		See base Class thresholds NB- Where a substance requires resource consent and also has an ecotoxic class, the ecotoxicity shall be taken into consideration as part of Assessment Matter 17.6.8							
	9.3A-C Terrestrial vertebrate ecotoxics	All	See base Class thresholds NB- Where a substance requires resource consent and also has an ecotoxic class, the ecotoxicity shall be taken into consideration as part of Assessment Matter 17.6.8							
	9.4 A-C Terrestrial invertebrate ecotoxics	All	See base Class thresholds NB- Where a substance requires resource consent and also has an ecotoxic class, the ecotoxicity shall be taken into consideration as part of Assessment Matter 17.6.8							



**Table 17.2: Class 3 Thresholds for Residential Activities and Activities Accessory to These (Thresholds Apply per Site)** *[Deleted by Plan Change 13, 2 September 2013]*

**Table 17.3: Class 3 Thresholds for All Other Activities (excluding Residential Activities)** *[Deleted by Plan Change 13, 2 September 2013]*

**Rule 17.5.2      Controlled Activities (Policy 17.3.8)**

The following activities are controlled activities:

- (i) Single vessel tank storage of HSNO sub-class 2.1.1A LPG, including *[Amended by Plan Change 13, 7 July 2012]*
  - (a) propane-based refrigerant, in below-ground or above-ground tanks; *[Added by Plan Change 13, 2 September 2013]*
  - (b) the storage of HSNO sub-class 2.1.1A LPG propane-based refrigerant in commercial refrigeration receivers, in quantities exceeding those permitted in Rule 17.5.1; and *[Added by Consent Order ENV-2012-CHC-99, 6 December 2012]*
  - (c) the storage of HSNO sub-class 3.1.A-D liquid petroleum fuels in belowground tanks; *[Added by Consent Order ENV-2012-CHC-99, 6 December 2012]*

is controlled in respect of:

- (a) Location and design of storage tanks.
- (b) Monitoring systems.
- (c) Emergency response plans.
- (d) Site security and containment.

**Assessment Matters** *[Amended by Plan Change 13, 2 September 2013]*

In assessing any application the Council will, in addition to the matters contained in the Fourth Schedule of the Act, have regard to:

- For storage of petrol and/or diesel, adherence to the Environmental Protection Authority (EPA) Approved Code of Practice HSNO COP 13-2, “Code of Practice for the Management of Existing Stationary Container Systems up to 60,000 litres Capacity”.
  - For storage of LPG, including siting of LPG facilities, adherence to the Hazardous Substances (Classes 1-5 Controls) Regulations 2001 and to AS/NZS 1596:2008 “The Storage and Handling of LP Gas”.
  - Any unusual soil or other underground conditions of the site which contribute to risks of tank or pipework failure.
  - The nature of activities and density of use in the vicinity of the site, including any potential for synergistic enhancement of risk from use on the same or adjacent sites of quantities of the same substance or the co-storage and/ or use of other hazardous substances.
- (ii) The storage in belowground tanks of HSNO sub-class 9.1A-D aquatic ecotoxics and/or HSNO sub-class 9.2A-D soil ecotoxics is controlled in respect of: *[Amended by Plan Change 13, 2 September 2013]*
    - (a) Location and design of storage tanks or cylinders.
    - (b) Monitoring systems.
    - (c) Emergency response plans.
    - (d) Site security and containment.



**Assessment Matters**

In assessing any application the Council will, in addition to the matters contained in the Fourth Schedule of the Act, have regard to:

- For storage of aquatic or soil ecotoxics, adherence to the Environmental Protection Authority (EPA) Approved Code of Practice HSNOCOP 13-2, “Code of Practice for the Management of Existing Stationary Container Systems up to 60,000 litres Capacity”. *[Amended by Plan Change 13, 2 September 2013]*
- (iii) The storage, use or transportation of radioactive materials not exceeding 100 times the quantities specified in the ‘Type A’ transport package limit (as identified in the International Atomic Energy Agency (IEAE) ‘Regulations for the Safe Transport of Radioactive Material’) is controlled in respect of: *[Amended by Plan Change 13, 2 September 2013]*
- (a) Location and design of facility.
  - (b) Monitoring systems.
  - (c) Emergency response plans.
  - (d) Site security and containment.
- (Example: industrial radiography)*

**Assessment Matters**

In assessing any application the Council will, in addition to the matters contained in the Fourth Schedule of the Act, have regard to:

- Adherence with requirements of the National Radiation Laboratory.
- The nature of activities and density of use in the vicinity of the site.

**Rule 17.5.3 Discretionary Activities (Restricted) (Policy 17.3.8)**

The following activities are discretionary activities (restricted):

- (i) The storage, use or transportation in the Group 6: Port Zone, which does not comply with Permitted Activity Rule 17.5.1. *[Amended by Plan Change 13, 2 September 2013]*

Council’s discretion under this rule is restricted to:

- (a) Matters relating to public safety.
- (b) Avoidance of environmental effects arising from potential spillage of hazardous substances stored.
- (c) Location and design of storage tanks.
- (d) Monitoring systems.
- (e) Emergency response plans.
- (f) Site security and containment.

**Rule 17.5.4 Discretionary Activities (Unrestricted) (Policy 17.3.8)**

The following activities are discretionary activities (unrestricted):

- (i) The storage, use or transportation of hazardous substances other than provided for in Rule 17.5.1, Rule 17.5.2 or Rule 17.5.3. *[Amended by Plan Change 13, 2 September 2013].*

In addition to an assessment of effects as contained in the Fourth Schedule of the Act, the Council will require applicants to prepare a site management plan and an emergency response plan to be submitted with any application for resource consent required under this rule.

