

## EXAMPLES OF SAFETY DATA SHEET INFORMATION



The following are different examples of what an SDS may contain for reproductive toxicity and possible harm to foetuses and babies.

Chemwatch Mini SDS			
Health Hazard Information			
	Blue and white pictograms	Risk code	Risk phrases
Chronic Health Effects		R60	May impair fertility.
		R63	May cause harm to unborn child.
		R64	May cause harm to breastfed babies.

Vendor SDS	Chemwatch SDS																												
<p><b>Hazard statement(s)</b></p> <p>H302 Harmful if swallowed.                      H315 Causes skin irritation.                      H319 Causes serious eye irritation.                      H335 May cause respiratory irritation.</p> <p><b>Precautionary statement(s)</b></p> <p><b>Prevention</b></p> <p>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.                      P264 Wash skin thoroughly after handling.                      P270 Do not eat, drink or smoke when using this product.                      P271 Use only outdoors or in a well-ventilated area.                      P280 Wear protective gloves/ eye protection/ face protection.</p>	<p><b>Hazard statement(s)</b></p> <table border="1"> <tr><td>H302</td><td>Harmful if swallowed</td></tr> <tr><td>H319</td><td>Causes serious eye irritation</td></tr> <tr><td>H351</td><td>Suspected of causing cancer</td></tr> <tr><td>H361</td><td>Suspected of damaging fertility or the unborn child</td></tr> <tr><td>H362</td><td>May cause harm to breast-fed children*</td></tr> <tr><td>H335</td><td>May cause respiratory irritation</td></tr> <tr><td>H402</td><td>Harmful to aquatic life</td></tr> </table> <p><i>*LIMITED EVIDENCE</i></p> <p><b>Precautionary statement(s): Prevention</b></p> <table border="1"> <tr><td>P201</td><td>Obtain special instructions before use.</td></tr> <tr><td>P260</td><td>Do not breathe dust/fume/gas/mist/vapours/spray.</td></tr> <tr><td>P263</td><td>Avoid contact during pregnancy/while nursing.</td></tr> <tr><td>P271</td><td>Use only outdoors or in a well-ventilated area.</td></tr> <tr><td>P280</td><td>Wear protective gloves/protective clothing/eye protection/face protection.</td></tr> <tr><td>P270</td><td>Do not eat, drink or smoke when using this product.</td></tr> <tr><td>P273</td><td>Avoid release to the environment.</td></tr> </table>	H302	Harmful if swallowed	H319	Causes serious eye irritation	H351	Suspected of causing cancer	H361	Suspected of damaging fertility or the unborn child	H362	May cause harm to breast-fed children*	H335	May cause respiratory irritation	H402	Harmful to aquatic life	P201	Obtain special instructions before use.	P260	Do not breathe dust/fume/gas/mist/vapours/spray.	P263	Avoid contact during pregnancy/while nursing.	P271	Use only outdoors or in a well-ventilated area.	P280	Wear protective gloves/protective clothing/eye protection/face protection.	P270	Do not eat, drink or smoke when using this product.	P273	Avoid release to the environment.
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Vendor SDS	Chemwatch SDS
<p><b>11. TOXICOLOGICAL INFORMATION</b></p> <p><b>11.1 Information on toxicological effects</b></p> <p><b>Acute toxicity</b> LD50 Oral - rat - 526 mg/kg</p> <p><b>Skin corrosion/irritation</b> no data available</p> <p><b>Serious eye damage/eye irritation</b> no data available</p> <p><b>Respiratory or skin sensitisation</b> no data available</p> <p><b>Germ cell mutagenicity</b> no data available</p> <p><b>Carcinogenicity</b> IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p><b>Reproductive toxicity</b> no data available</p>	<p><b>Chronic</b></p> <p>Exposure to the material may cause concerns for humans owing to possible developmental toxic effects, generally on the basis that results in appropriate animal studies provide strong suspicion of developmental toxicity in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of other toxic effects.</p> <p>Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.</p> <p>Neuromuscular effects result from chronic over-exposure to lithium compounds. These may include tremor, ataxia, clonus and hyperactive reflexes. Some animal studies have shown that exposure during pregnancy may produce birth defects. Other studies with rats, rabbits and monkeys have not shown teratogenic effects. Human data are ambiguous; it is well established that lithium can cross the human placenta. Of 225 registered pregnancies in which the mothers had received lithium (as a tranquiliser) there were 25 instances of congenital malformation. Although pharmacological doses of lithium cannot be unequivocally designated as a human teratogen, lithium therapy is contraindicated in women of childbearing potential.</p>

Table 5: Labelling and reproductive toxicity an extract from the Work Health and Safety Regulations 2012: Classification and labelling for workplace hazardous chemicals poster.

Classification		Pictogram code	Signal word	Labelling	
Hazard				Code	Hazard Statement
Class	Category				Text
Germ cell mutagenicity	Category 1A	 GHS08	Danger	H340	May cause defects <sup>(1)</sup>
	Category 1B			H341	Suspected of causing genetic defects <sup>(1)</sup>
	Category 2		Warning		
Reproductive toxicity	Category 1A	 GHS08	Danger	H360 <sup>(2)</sup>	May damage fertility or the unborn child.
	Category 1B			H360F <sup>(3)</sup>	May damage fertility.
				H360D <sup>(3)</sup>	May damage the unborn child.
				H360FD <sup>(3)</sup>	May damage fertility. May damage the unborn child.
				H360Fd <sup>(3)</sup>	May damage fertility. Suspected of damaging the unborn child.
	H360Df <sup>(3)</sup>	May damage the unborn child. Suspected of damaging fertility.			
Category 2	Warning	H361 <sup>(2)</sup>	Suspected of damaging fertility or the unborn child.		
		H361f <sup>(3)</sup>	Suspected of damaging fertility.		
		H361d <sup>(3)</sup>	Suspected of damaging the unborn child.		
Additional category for effects on or via lactation	No pictogram	No signal word	H362	May cause harm to breast-fed children.	

Note:

- (1) State route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.
- (2) (State specific effect if known)(State route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- (3) F= fertility, D= Development (lowercase f, d=suspected effect).

\*Adapted from Safe Work Australia Classification and labelling of workplace hazardous chemicals poster 13/4/2012.

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