

HS682: The Globally Harmonized System (GHS) Hazard Classes Summary

Refer to UNSW HS332 Hazardous Chemicals Procedure




| # | Hazard Class | Hazard Category | Corresponding Hazard Statement for this specific hazard class and category | Pictogram | Signal Word | Dangerous Goods Class Diamond for comparison (if applicable).FOR INFORMATION ONLY. A label <u>should not</u> contain MIXED DG symbols and GHS symbols |
|---|----------------------|---|--|-----------|-------------|---|
| 4 | Oxidising Gases | Category 1 | May cause or intensify fire; Oxidiser | | Danger | |
| 5 | Gases under Pressure | <u>Groups</u> Compressed gas Liquefied gas Dissolved gas | | | | |

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There are 10 Health Hazard Classes:

| # | Hazard Class | Hazard Category | Hazard Statement | Pictogram | Signal Word | Dangerous Goods Class Diamond |
|---|---|-----------------|------------------|-----------|-------------|-------------------------------|
| 1 | Acute Toxicity Oral, Dermal or Inhalation | | | | | |

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| # | Hazard Class | Hazard Category | Hazard Statement | Pictogram | Signal Word | Dangerous Goods Class Diamond |
|----|--|--|---|---|-----------------------------|-------------------------------|
| | | Skin Sensitisers Category 1, 1A, 1B | May cause an allergic skin reaction |  | Warning | None |
| 5 | Germ cell mutagenicity | Category 1A Category 1B Category 2 | May cause genetic defects May cause genetic defects Suspected of causing genetic defects |  | Danger Danger Warning | None |
| 6 | Carcinogenicity | Category 1A Category 1B Category 2 | May cause cancer May cause cancer Suspected of causing cancer |  | Danger Danger Warning | None |
| 7 | Reproductive Toxicity | Category 1A Category 1B Category 2 | May damage fertility or the unborn child May damage fertility. Suspected of damaging the unborn child Suspected of damaging fertility or the unborn child | No pictogram | Danger Danger Warning | None |
| | | Lactation Effects | May cause harm to breast-fed children | | No signal word | |
| 8 | Specific Target Organ Toxicity (single exposure) | Category 1 Category 2 | Causes damage to organs () May cause damage to organs | No pictogram | Danger Warning | None |
| | | Category 3 | May cause respiratory irritation or May cause drowsiness or dizziness | | Warning Warning | |
| 9 | Specific Target Organ Toxicity (repeated exposure) | Category 1 | Causes damage to organs () through prolonged or repeated exposure | No pictogram | Danger | None |
| | | Category 2 | May cause damage to organs through prolonged or repeated exposure | | Warning | |
| 10 | Aspiration Toxicity | Category 1 | May be fatal if swallowed and enters airways | No pictogram | Danger | None |

There are 2 Environmental Hazard Classes which are not compulsory in Australia

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| # | Hazard Class | Hazard Category | Hazard Statement | Pictogram | Signal word | Dangerous Goods Class Diamond |
|---|---------------------------|--------------------------|--|--------------|--------------|-------------------------------|
| 1 | Aquatic Toxicity Acute | Category 1 | Very toxic to aquatic life | | Warning | None |
| | | Category 2 Category 3 | Toxic to aquatic life Harmful to aquatic life | No Pictogram | None None | None |

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