










GHS Pictograms

| GHS Pictogram | Symbol in the GHS pictogram | GHS hazard classes | Means |
|---|-----------------------------|---|-----------|
|  | Skull and crossbones | Acute toxicity (for oral, skin and inhalation); skin corrosion; respiratory sensitizer | Toxic |
|  | Flame | Flammable gases; flammable aerosols; flammable liquids; flammable solids; self-reactive substances and mixtures; pyrophoric liquids; pyrophoric solids; self-heating substances and mixtures; substances and mixtures which, in contact with water, emit flammable gases; organic peroxides | Flammable |
|  | Flame over circle | Oxidising gases; oxidising liquids; oxidising solids | Oxidising |
|  | Exploding bomb | Explosives; self-reactive substances and mixtures; organic peroxides | Explosive |

| | | | |
|--|------------------|--|-----------------------|
|  | Corrosion | Corrosive to metals; serious eye damage | Corrosive |
|  | Gas cylinder | Compressed gas; liquefied gas; refrigerated liquefied gas; dissolved gas; | Compressed gas |
|  | Exclamation mark | Skin irritation; eye irritation; skin sensitizer | Harmful |
|  | Environment | Acute and chronic hazards to the aquatic environment | Environmental hazards |
|  | Health hazards | Germ cell mutagenicity; carcinogenicity; reproductive toxicity; specific target organ toxicity – single exposure; specific target organ toxicity – repeated exposure | Health hazards |

GHS HAZARD STATEMENTS INFORMATION

Table A3-1.1: Physical Hazards

| H-code (1) | Hazard statement (2) | Hazard classification (3) |
|---------------|--|--|
| H200 | Unstable explosive | Unstable explosive |
| H201 | Explosive; mass explosion hazard | Explosive division 1.1 |
| H202 | Explosive; severe projection hazard | Explosive division 1.2 |
| H203 | Explosive; fire, blast or projection hazard | Explosive division 1.3 |
| H204 | Fire or projection hazard | Explosive division 1.4 |
| H205 | May mass explode in fire | Explosive division 1.5 |
| | | |
| H220 | Extremely flammable gas | Flammable gas category 1 |
| H221 | Flammable gas | Flammable gas category 2 |
| H222 | Extremely flammable aerosol | Flammable aerosol category 1 |
| H223 | Flammable aerosol | Flammable aerosol category 2 |
| H224 | Extremely flammable liquid and vapour | Flammable liquid category 1 |
| H225 | Highly flammable liquid and vapour | Flammable liquid category 2 |
| H226 | Flammable liquid and vapour | Flammable liquid category 3 |
| H227 | Flammable liquid | Flammable liquid category 4 |
| H228 | Flammable solid | Flammable solid category 1 Flammable solid category 2 |
| | | |
| H240 | Heating may cause an explosion | Self-reactive chemicals type A Organic peroxides type A |
| H241 | Heating may cause a fire or explosion | Self-reactive chemicals type B Organic peroxides type B |
| H242 | Heating may cause a fire | Self-reactive chemicals type C and D Self-reactive chemicals type E and F Organic peroxides type C and D Organic peroxides type E and F |
| | | |
| H250 | Catches fire spontaneously if exposed to air | Pyrophoric liquid category 1 Pyrophoric solid category 1 |
| H251 | Self-heating; may catch fire | Self-heating chemicals category 1 |
| H252 | Self-heating in large quantities; may catch fire | Self-heating chemicals category 2 |
| | | |

| H-code (1) | Hazard statement (2) | Hazard classification (3) |
|-----------------------|---|--|
| H260 | In contact with water releases flammable gases which may ignite spontaneously | Chemicals which, in contact with water, emit flammable gas category 1 |
| H261 | In contact with water releases flammable gases | Chemicals which, in contact with water, emit flammable gas category 2 and 3 |
| | | |
| H270 | May cause or intensify fire; oxidiser | Oxidizing gas category 1 |
| H271 | May cause fire or explosion; strong oxidiser | Oxidizing liquid category 1 |
| H272 | May intensify fire; oxidiser | Oxidizing liquid category 2 Oxidizing liquid category 3 |
| | | |
| H280 | Contains gas under pressure; may explode if heated | Gases under pressure, compressed gas Gases under pressure, liquefied gas Gases under pressure, dissolved gas |
| H281 | Contains refrigerated gas; may cause cryogenic burns or injury | Gases under pressure, refrigerated liquefied gas |
| | | |
| H290 | May be corrosive to metals | Corrosive to metal category 1 |

Table A3-1.2: Health Hazards

| H-code (1) | Hazard statement (2) | Hazard classification (3) |
|-----------------------|---|--|
| H300 | Fatal if swallowed | Acute toxicity category 1 (oral) Acute toxicity category 2 (oral) |
| H301 | Toxic if swallowed | Acute toxicity category 3 (oral) |
| H302 | Harmful if swallowed | Acute toxicity category 4 (oral) |
| H303 | Can be harmful if swallowed | Acute toxicity category 5 (oral) |
| H304 | May be fatal if swallowed and enters airways | Aspiration hazard category 1 |
| H305 | May be harmful if swallowed and enters airways | Aspiration hazard category 2 |
| | | |
| H310 | Fatal in contact with skin | Acute toxicity category 1 (dermal) Acute toxicity category 2 (dermal) |
| H311 | Toxic in contact with skin | Acute toxicity category 3 (dermal) |
| H312 | Harmful in contact with skin | Acute toxicity category 4 (dermal) |
| H313 | May be harmful in contact with skin | Acute toxicity category 5 (dermal) |
| H314 | Causes severe skin burns and eye damage | Skin corrosion/irritation category 1(1A/1B/1C) |
| H315 | Causes skin irritation | Skin corrosion/irritation category 2 |
| H316 | Causes light skin irritation | Skin corrosion/irritation category 3 |
| H317 | May cause an allergic skin reaction | Skin sensitization category 1 |
| H318 | Causes serious eye damage | Serious eye damage/eye irritation category 1 |
| H319 | Causes serious eye irritation | Serious eye damage/eye irritation category 2A |
| H320 | Causes eye irritation | Serious eye damage/eye irritation category 2B |
| | | |
| H330 | Fatal if inhaled | Acute toxicity category 1 (inhalation) Acute toxicity category 2 (inhalation) |
| H331 | Toxic if inhaled | Acute toxicity category 3 (inhalation) |
| H332 | Harmful if inhaled | Acute toxicity category 4 (inhalation) |
| H333 | Can be harmful if inhaled | Acute toxicity category 5 (inhalation) |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled | Respiratory sensitization category 1 |
| H335 | May cause respiratory irritation | Specific target organ toxicity-single exposure category 3 |
| H336 | May cause drowsiness or dizziness | Specific target organ toxicity-single exposure category 3 |
| | | |
| H340 | May cause genetic defects (<i>state route of exposure</i>) | Germ cell mutagenicity category 1(1A/1B) |

| H-code (1) | Hazard statement (2) | Hazard classification (3) |
|---------------|---|--|
| | <i>if it is conclusively proven that no other routes of exposure cause the hazard)</i> | |
| H341 | Suspected of causing genetic defects (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>) | Germ cell mutagenicity category 2 |
| | | |
| H350 | May cause cancer (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>) | Carcinogenicity category 1 (1A/1B) |
| H351 | Suspected of causing cancer (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>) | Carcinogenicity category 2 |
| | | |
| H360 | May damage fertility or the unborn child (<i>state specific effect if known)</i>) (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>) | Reproductive toxicity category 1 (1A/1B) |
| H361 | Suspected of damaging fertility or the unborn child (<i>state specific effect if known)</i>) (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>) | Reproductive toxicity category 2 |
| H362 | May cause harm to breast-fed children | Effect on or via lactation |
| | | |
| H370 | Causes damage to organs (<i>or state all organs effected if known)</i>) (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>) | Specific target organ toxicity-single exposure category 1 |
| H371 | May cause damage to organs (<i>or state all organs effected if known)</i>) (<i>state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>) | Specific target organ toxicity-single exposure category 2 |
| H372 | Causes damage to organs through prolonged or repeated exposure | Specific target organ toxicity- repeated exposure category 1 |
| H373 | May cause damage to organs prolonged or repeated exposure | Specific target organ toxicity- repeated exposure category 2 |

Table A3-1.3: Environmental Hazards

| H-code (1) | Hazard statement (2) | Hazard classification (3) |
|-----------------------|--|--|
| H400 | Very toxic to aquatic life | Hazardous to the aquatic environment – acute toxicity category 1 |
| H401 | Toxic to aquatic life | Hazardous to the aquatic environment – acute toxicity category 2 |
| H402 | Harmful to aquatic life | Hazardous to the aquatic environment – acute toxicity category 3 |
| | | |
| H410 | Very toxic to aquatic life with long lasting effects | Hazardous to the aquatic environment – chronic toxicity category 1 |
| H411 | Toxic to aquatic life with long lasting effects | Hazardous to the aquatic environment – chronic toxicity category 2 |
| H412 | Harmful to aquatic life with long lasting effects | Hazardous to the aquatic environment – chronic toxicity category 3 |
| H413 | May cause long lasting harmful effects to aquatic life | Hazardous to the aquatic environment – chronic toxicity category 4 |

GHS PRECAUTIONARY STATEMENTS INFORMATION

Table A3-2.1: Precautionary statements - Prevention

| Code (1) | General precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|-------------|--|-------------------------|-----------------------------------|---|
| P201 | Obtain special instructions before use. | Explosives | Unstable explosive | |
| | | Germ cell mutagenicity | 1A, 1B, 2 | |
| | | Carcinogenicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | Effects on or via lactation | |
| P202 | Do not handle until all safety precautions have been read and understood. | Explosives | Unstable explosive | |
| | | Germ cell mutagenicity | 1A, 1B, 2 | |
| | | Carcinogenicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | 1A, 1B, 2 | |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. — No smoking. | Explosives | Divisions 1.1, 1.2, 1.3, 1.4, 1.5 | Manufacturer/supplier to specify applicable ignition source(s). |
| | | Flammable gases | 1, 2 | |
| | | Flammable aerosols | 1, 2 | |
| | | Flammable liquids | 1, 2, 3 | |
| | | Flammable solids | 1, 2 | |
| | | Self-reactive chemicals | Types A, B, C, D, E, F | |
| | | Pyrophoric liquids | 1 | |
| | | Pyrophoric solids | 1 | |
| | | Organic peroxides | Types A, B, C, D, E, F | |
| | | Oxidising liquids | 1, 2, 3 | <i>Specify to keep away from heat.</i> |
| | | Oxidising solids | 1, 2, 3 | |
| P211 | Do not spray on an open flame or other ignition source. | Flammable aerosols | 1, 2 | |

| Code (1) | General precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|------------------|---|--|------------------------|---|
| P220 | Keep/Store away from clothing/.../combustible materials. | Oxidising gases | 1 | ...Manufacturer/supplier to specify incompatible materials. |
| | | Self-reactive chemicals | Types A, B, C, D, E, F | |
| | | Oxidising liquids | 1 | ...Manufacturer/supplier to specify incompatible materials. — <i>specify to keep away from clothing as well as other incompatible materials.</i> |
| | | | 2, 3 | |
| | | Oxidising solids | 1 | ...Manufacturer/supplier to specify incompatible materials. — <i>specify to keep away from clothing as well as other incompatible materials.</i> |
| | | | 2, 3 | |
| Oxidising solids | Types A, B, C, D, E, F | ...Manufacturer/supplier to specify incompatible materials. | | |
| P221 | Take any precaution to avoid mixing with combustibles/... | Oxidising liquids | 1, 2, 3 | ...Manufacturer/supplier to specify incompatible materials. |
| | | Oxidising solids | 1, 2, 3 | |
| P222 | Do not allow contact with air. | Pyrophoric liquids | 1 | |
| | | Pyrophoric solids | 1 | |
| P223 | Keep away from any possible contact with water, because of violent reaction and possible flash fire. | Chemicals which, in contact with water, emit flammable gases | 1, 2 | |
| P230 | Keep wetted with ... | Explosives | Divisions 1.1, | ...Manufacturer/supplier |

| Code (1) | General precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|-------------|---|---|------------------------|--|
| | | | 1.2, 1.3, 1.5 | to specify appropriate material. — if drying out increases explosion hazard, except as needed for manufacturing or operating processes (e.g. nitrocellulose). |
| P231 | Handle under inert gas. | Chemicals which, in contact with water, emit flammable gases | 1, 2, 3 | |
| P232 | Protect from moisture. | Chemicals which, in contact with water, emit flammable gases | 1, 2, 3 | |
| P233 | Keep container tightly closed. | Flammable liquids | 1, 2, 3 | — if product is volatile so as to generate hazardous atmosphere. |
| | | Acute toxicity (inhalation) | 1, 2, 3 | |
| | | Specific target organ toxicity — single exposure (respiratory tract Irritation) | 3 | |
| | | Specific target organ toxicity — single exposure (narcosis) | 3 | |
| P234 | Keep only in original container. | Self-reactive chemicals | Types A, B, C, D, E, F | |
| | | Organic peroxides | Types A, B, C, D, E, F | |
| | | Corrosive to metals | 1 | |
| P235 | Keep cool. | Flammable liquids | 1, 2, 3 | |
| | | Self-reactive chemicals | Types A, B, C, D, E, F | |
| | | Self-heating chemicals | 1, 2 | |

| Code (1) | General precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|-------------|--|---------------------|-----------------------------------|---|
| | | Organic peroxides | Types A, B, C, D, E, F | |
| P240 | Ground/bond container and receiving equipment. | Explosives | Divisions 1.1, 1.2, 1.3, 1.4, 1.5 | — if the explosive is electrostatically sensitive. |
| | | Flammable liquids | 1, 2, 3 | — if electrostatically sensitive material is for reloading. — if product is volatile so as to generate hazardous atmosphere. |
| | | Flammable solids | 1, 2 | — if electrostatically sensitive material is for reloading. |
| P241 | Use explosion-proof electrical/ventilating/lighting/.../ equipment. | Flammable liquids | 1, 2, 3 | ...Manufacturer/supplier to specify other equipment. |
| | | Flammable solids | 1, 2 | ...Manufacturer/supplier to specify other equipment. — if dust clouds can occur. |
| P242 | Use only non-sparking tools. | Flammable liquids | 1, 2, 3 | |
| P243 | Take precautionary measures against static discharge. | Flammable liquids | 1, 2, 3 | |
| P244 | Keep reduction valves free from grease and oil. | Oxidising gases | 1 | |
| P250 | Do not subject to grinding/shock/.../friction. | Explosives | Divisions 1.1, 1.2, 1.3, 1.4, 1.5 | ...Manufacturer/supplier to specify applicable rough handling. |
| P251 | Pressurized container: Do not | Flammable aerosols | 1, 2 | |

| Code (1) | General precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|-------------|--|---|-----------------------------|--|
| | pierce or burn, even after use. | | | |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. | Acute toxicity (inhalation) | 1, 2 | Manufacturer/supplier to specify applicable conditions. |
| | | Specific target organ toxicity — single exposure | 1, 2 | |
| | | Specific target organ toxicity — repeated exposure | 1, 2 | |
| | | Skin corrosion | 1A, 1B, 1C | — <i>Specify do not breathe dusts or mists.</i> — <i>if inhalable particles of dusts or mists may occur during use.</i> |
| | | Reproductive toxicity | Effects on or via lactation | |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. | Acute toxicity (inhalation) | 3, 4 | Manufacturer/supplier to specify applicable conditions. |
| | | Respiratory sensitisation | 1 | |
| | | Skin sensitisation | 1 | |
| | | Specific target organ toxicity — single exposure; (<i>respiratory tract irritation</i>) | 3 | |
| | | Specific target organ toxicity — single exposure; (<i>narcosis</i>) | 3 | |
| P262 | Do not get in eyes, on skin, or on clothing | Acute toxicity (dermal) | 1, 2 | |
| P263 | Avoid contact during pregnancy/ while nursing. | Reproductive toxicity | Effects on or via lactation | |
| P264 | Wash ... thoroughly after handling. | Acute toxicity (oral) | 1, 2, 3, 4 | Manufacturer/supplier to specify parts of the body to be washed after |
| | | Acute toxicity (dermal) | 1, 2 | |
| | | Skin corrosion | 1A, 1B, 1C | |

| Code (1) | General precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|-------------|--|--|-----------------------------|------------------------------------|
| | | Skin irritation | 2 | handling |
| | | Eye irritation | 2 | |
| | | Reproductive toxicity | Effects on or via lactation | |
| | | Specific target organ toxicity — single exposure | 1, 2 | |
| | | Specific target organ toxicity — repeated exposure | 1 | |
| P270 | Do not eat, drink or smoke when using this product. | Acute toxicity (oral) | 1, 2, 3, 4 | |
| | | Acute toxicity (dermal) | 1, 2 | |
| | | Reproductive toxicity | Effects on or via lactation | |
| | | Specific target organ toxicity — single exposure | 1, 2 | |
| | | Specific target organ toxicity — repeated exposure | 1 | |
| P271 | Use only outdoors or in a well-ventilated area. | Acute toxicity (inhalation) | 1, 2, 3, 4 | |
| | | Specific target organ toxicity — single exposure; (<i>respiratory tract irritation</i>) | 3 | |
| | | Specific target organ toxicity — single exposure; (<i>narcosis</i>) | 3 | |
| P272 | Contaminated work clothing should not be allowed out of the workplace | Skin sensitisation | 1 | |
| P273 | Avoid release to the environment. | Hazardous to the aquatic environment — acute | 1 | — if this is not the intended use. |

| Code (1) | General precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|---------------------------|---|---|--------------------------------------|---|
| | | aquatic hazard | | |
| | | Hazardous to the aquatic environment — chronic aquatic hazard | 1, 2, 3, 4 | |
| | | Hazardous to the ozone layer | 1 | |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. | Explosives | Divisions 1.1, 1.2, 1.3, 1.4, 1.5 | Manufacturer/supplier to specify type of equipment. — Specify face protection. |
| | | Flammable liquids | 1, 2, 3 | Manufacturer/supplier to specify type of equipment. — Specify protective gloves and eye/face protection. |
| | | Flammable solids | 1, 2 | |
| | | Self-reactive chemicals | Types A, B, C, D, E, F | |
| | | Pyrophoric liquids | 1 | |
| | | Pyrophoric solids | 1 | |
| | | Self-reactive chemicals | 1, 2 | |
| | | Chemicals which, in contact with water, emit flammable gases | 1, 2, 3 | |
| | | Oxidising liquids | 1, 2, 3 | |
| | | Oxidising solids | 1, 2, 3 | |
| | | Organic peroxides | Types A, B, C, D, E, F | |
| | | Acute toxicity (dermal) | 1, 2, 3, 4 | Manufacturer/supplier to specify type of equipment. — Specify protective gloves/clothing. |

| Code (1) | General precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|---------------------|---|-----------------------------------|--------------------------------|--|
| | | Skin corrosion | 1A, 1B, 1C | Manufacturer/supplier to specify type of equipment. — Specify protective gloves/clothing and eye/face protection. |
| | | Skin irritation | 2 | Manufacturer/supplier to specify type of equipment. — Specify protective gloves. |
| | | Skin sensitisation | 1 | |
| | | Serious eye damage/eye irritation | 1, 2 | Manufacturer/supplier to specify type of equipment. — Specify eye/face protection. |
| P281 | Use personal protective equipment as required. | Explosives | Unstable explosive | |
| | | Germ cell mutagenicity | 1A, 1B, 2 | |
| | | Carcinogenicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | 1A, 1B, 2 | |
| P282 | Wear cold insulating gloves/face shield/eye protection. | Gases under pressure | Refrigerated liquefied gas | |
| P283 | Wear fire/flame resistant/retardant clothing. | Oxidising liquids | 1 | |
| | | Oxidising solids | 1 | |
| P284 | Wear respiratory protection. | Acute toxicity (inhalation) | 1, 2 | Manufacturer/supplier to specify equipment. |
| P285 | In case of inadequate ventilation wear respiratory protection. | Respiratory sensitisation | 1 | Manufacturer/supplier to specify equipment. |

Table A3-2.2: Precautionary statements - Prevention

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|-------------------|---|---|-----------------|--------------------|
| P231 + P232 | Handle under inert gas. Protect from moisture. | Chemicals which in contact with water, emit flammable gases | 1, 2, 3 | |
| P235 + P410 | Keep cool. Protect from sunlight. | Self-heating chemicals | 1, 2 | |

Table A3-2.3: Precautionary statements - Response

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|----------------------------------|---|-----------------|--------------------|
| P301 | IF SWALLOWED: | Acute toxicity (oral) | 1, 2, 3, 4 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Aspiration Hazard | 1 | |
| P302 | IF ON SKIN: | Pyrophoric liquids | 1 | |
| | | Acute toxicity (dermal) | 1, 2, 3, 4 | |
| | | Skin corrosion/irritation | 2 | |
| | | Skin sensitisation | 1 | |
| P303 | IF ON SKIN (or hair): | Flammable liquids | 1, 2, 3 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| P304 | IF INHALED: | Acute toxicity (inhalation) | 1, 2, 3, 4 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Respiratory sensitisation | 1 | |
| | | Specific target organ toxicity — single exposure; (<i>respiratory tract irritation</i>) | 3 | |
| | | Specific target organ toxicity — single exposure; (<i>narcosis</i>) | 3 | |
| P305 | IF IN EYES: | Skin corrosion/irritation | 1A, 1B, 1C | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|---|--|--------------------------------|--------------------|
| | | Serious eye damage/ eye irritation | 1, 2 | |
| P306 | IF ON CLOTHING: | Oxidising liquids | 1 | |
| | | Oxidising solids | 1 | |
| P307 | IF exposed: | Specific target organ toxicity — single exposure | 1 | |
| P308 | IF exposed or concerned: | Germ cell mutagenicity | 1A, 1B, 2 | |
| | | Carcinogenicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | Effects on or via lactation | |
| P309 | IF exposed or if you feel unwell: | Specific target organ toxicity — single exposure | 2 | |
| P310 | Immediately call a POISON CENTER or doctor/physician. | Acute toxicity (oral) | 1, 2, 3 | |
| | | Acute toxicity (dermal) | 1, 2 | |
| | | Acute toxicity (inhalation) | 1, 2 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Serious eye damage/eye irritation | 1 | |
| | | Aspiration hazard | 1 | |
| P311 | Call a POISON CENTER or doctor/physician. | Acute toxicity (inhalation) | 3 | |
| | | Respiratory sensitisation | 1 | |
| | | Specific target organ toxicity — single exposure | 1, 2 | |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. | Acute toxicity (oral) | 4 | |
| | | Acute toxicity (dermal) | 3, 4 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|--|---|-----------------------------|---|
| | | Acute toxicity (inhalation) | 4 | |
| | | Specific target organ toxicity — single exposure; (<i>respiratory tract Irritation</i>) | 3 | |
| | | Specific target organ toxicity — single exposure; (<i>narcosis</i>) | 3 | |
| P313 | Get medical advice/attention. | Skin corrosion/irritation | 2, 3 | |
| | | Serious eye damage/eye irritation | 2 | |
| | | Skin sensitisation | 1 | |
| | | Germ cell mutagenicity | 1A, 1B, 2 | |
| | | Carcinogenicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | Effects on or via lactation | |
| P314 | Get medical advice/attention if you feel unwell. | Specific target organ toxicity — repeated exposure | 1, 2 | |
| P315 | Get immediate medical advice/attention. | Gases under pressure | Refrigerated liquefied gas | |
| P320 | Specific treatment is urgent (see ... on this label). | Acute toxicity (inhalation) | 1, 2 | ...Reference to supplemental first aid instruction. — <i>if immediate administration of antidote is required</i> |
| P321 | Specific treatment (see ... on this label). | Acute toxicity (oral) | 1, 2, 3 | ...Reference to supplemental first aid instruction. — <i>if immediate administration of antidote is required</i> |
| | | Acute toxicity (inhalation) | 3 | ... Reference to supplemental first aid instruction. |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|--|--|-----------------|--|
| | | | | — <i>if immediate specific measures are required.</i> |
| | | Specific target organ toxicity — single exposure | 1 | ... Reference to supplemental first aid instruction. — <i>if immediate measures are required.</i> |
| | | Skin sensitisation | 1 | ... Reference to supplemental first aid instruction. — <i>manufacturer/supplier may specify a cleansing agent if appropriate.</i> |
| | | Skin corrosion/irritation | 1A, 1B, 1C, 2 | |
| P322 | Specific measures (see ...on this label). | Acute toxicity (dermal) | 1, 2, 3, 4 | ... Reference to supplemental first aid instruction. — <i>if immediate measures such as specific cleansing agent is advised.</i> |
| P330 | Rinse mouth. | Acute toxicity (oral) | 1, 2, 3, 4 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| P331 | Do NOT induce vomiting. | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Aspiration hazard | 1 | |
| P332 | If skin irritation occurs: | Skin corrosion/irritation | 2, | |
| P333 | If skin irritation or rash occurs: | Skin sensitisation | 1 | |
| P334 | Immerse in cool water/wrap in wet bandages. | Pyrophoric liquids | 1 | |
| | | Pyrophoric solids | 1 | |
| | | Chemicals which, in contact with water, emit flammable gases | 1, 2 | |
| P335 | Brush off loose particles from skin. | Pyrophoric solids | 1 | |
| | | Chemicals which, in contact with water, emit flammable gases | 1, 2 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|--|---|----------------------------|--------------------|
| P336 | Thaw frosted parts with lukewarm water. Do not rub affected area. | Gases under pressure | Refrigerated liquefied gas | |
| P337 | If eye irritation persists: | Serious eye damage/eye irritation | 2 | |
| P338 | Remove contact lenses, if present and easy to do. Continue rinsing. | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Serious eye damage/eye irritation | 1, 2 | |
| P340 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. | Acute toxicity (inhalation) | 1, 2, 3, 4 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Specific target organ toxicity — single exposure; (<i>respiratory tract irritation</i>) | 3 | |
| | | Specific target organ toxicity — single exposure; (<i>narcosis</i>) | 3 | |
| P341 | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. | Respiratory sensitisation | 1 | |
| P342 | If experiencing respiratory symptoms: | Respiratory sensitisation | 1 | |
| P350 | Gently wash with plenty of soap and water. | Acute toxicity (dermal) | 1, 2 | |
| P351 | Rinse cautiously with water for several minutes. | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Serious eye damage/eye irritation | 1, 2 | |
| P352 | Wash with plenty of soap and water. | Acute toxicity (dermal) | 3, 4 | |
| | | Skin corrosion/irritation | 2 | |
| | | Skin sensitisation | 1 | |
| P353 | Rinse skin with water/shower. | Flammable liquids | 1, 2, 3 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|---|--|---|---|
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| P360 | Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. | Oxidising liquids | 1 | |
| | | Oxidising solids | 1 | |
| P361 | Remove/Take off immediately all contaminated clothing. | Flammable liquids | 1, 2, 3 | |
| | | Acute toxicity (dermal) | 1, 2, 3 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| P362 | Take off contaminated clothing and wash before reuse. | Skin corrosion/irritation | 2 | |
| P363 | Wash contaminated clothing before reuse. | Acute toxicity (dermal) | 1, 2, 3, 4 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Skin sensitisation | 1 | |
| P370 | In case of fire: | Explosives | Divisions 1.1, 1.2, 1.3, 1.4, 1.5 | |
| | | Oxidising gases | 1 | |
| | | Flammable liquids | 1, 2, 3 | |
| | | Flammable solids | 1, 2 | |
| | | Self-reactive chemicals | Types A, B, C, D, E, F | |
| | | Pyrophoric liquids | 1 | |
| | | Pyrophoric solids | 1 | |
| | | Chemicals which, in contact with water, emit flammable gases | 1, 2, 3 | |
| | | Oxidising liquids | 1, 2, 3 | |
| | | Oxidising solids | 1, 2, 3 | |
| P371 | In case of major fire and large quantities: | Oxidising liquids | 1 | |
| | | Oxidising solids | 1 | |
| P372 | Explosion risk in case of fire. | Explosives | Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4, 1.5 | — except if explosives are 1.4S AMMUNITION AND COMPONENTS THEREOF |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|--|--|---|---|
| P373 | DO NOT fight fire when fire reaches explosives. | Explosives | Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4, 1.5 | |
| P374 | Fight fire with normal precautions from a reasonable distance. | Explosives | Division 1.4 | — <i>if explosives are 1.4S AMMUNITION AND COMPONENTS THEREOF</i> |
| P375 | Fight fire remotely due to the risk of explosion. | Self-reactive chemicals | Types A, B | |
| | | Oxidising liquids | 1 | |
| | | Oxidising solids | 1 | |
| P376 | Stop leak if safe to do so. | Oxidising gases | 1 | |
| P377 | Leaking gas fire: Do not extinguish, unless leak can be stopped safely. | Flammable gases | 1, 2 | |
| P378 | Use ... for extinction. | Flammable liquids | 1, 2, 3 | ... Manufacturer/supplier to specify appropriate media — <i>if water increases risk.</i> |
| | | Flammable solids | 1, 2 | |
| | | Self-reactive chemicals | Types A, B, C, D, E, F | |
| | | Pyrophoric liquids | 1 | |
| | | Pyrophoric solids | 1 | |
| | | chemicals which, in contact with water, emit flammable gases | 1, 2, 3 | |
| | | Oxidising liquids | 1, 2, 3 | |
| | | Oxidising solids | 1, 2, 3 | |
| P380 | Evacuate area. | Explosives | Unstable explosives | |
| | | Explosives | Divisions 1.1, 1.2, 1.3, 1.4, 1.5 | |
| | | Self-reactive chemicals | Types A, B | |
| | | Oxidising liquids | 1 | |
| | | Oxidising solids | 1 | |
| P381 | Eliminate all ignition sources if safe to do so. | Flammable gases | 1, 2 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|--|---|-----------------|--------------------|
| P390 | Absorb spillage to prevent material damage. | Corrosive to metals | 1 | |
| P391 | Collect spillage. | Hazardous to the aquatic environment – acute hazard | 1 | |
| | | Hazardous to the aquatic environment – chronic hazard | 1, 2 | |

Table A3.4: Precautionary statements - Response

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|--------------------------------|--|---------------------------|-----------------|--------------------|
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. | Acute toxicity (oral) | 1, 2, 3 | |
| | | Aspiration hazard | 1 | |
| P301 + P312 | IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. | Acute toxicity (oral) | 4 | |
| P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. | Skin corrosion/irritation | 1A, 1B, 1C | |
| P302 + P334 | IF ON SKIN: Immerse in cool water/wrap in wet bandages. | Pyrophoric liquids | 1 | |
| P302 + P350 | IF ON SKIN: Gently wash with plenty of soap and water. | Acute toxicity (dermal) | 1, 2 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|--------------------------------|---|---|-----------------|--------------------|
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. | Acute toxicity (dermal) | 3, 4 | |
| | | Skin corrosion/irritation | 2 | |
| | | Skin sensitisation | 1 | |
| P303 + P361 + P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. | Flammable liquids | 1, 2, 3 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| P304 + P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. | Acute toxicity (inhalation) | 1, 2, 3, 4 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Specific target organ toxicity — single exposure; (<i>respiratory tract irritation</i>) | 3 | |
| | | Specific target organ toxicity — single exposure; (<i>narcosis</i>) | 3 | |
| P304 + P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. | Respiratory sensitisation | 1 | |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Serious eye damage/eye irritation | 1, 2 | |
| P306 + P360 | IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before | Oxidising liquids | 1 | |
| | | Oxidising solids | 1 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|-------------------|---|--|-----------------------------|--------------------|
| | removing clothes. | | | |
| P307 + P311 | IF exposed: Call a POISON CENTER or doctor/physician. | Specific target organ toxicity — single exposure | 1 | |
| P308 + P313 | IF exposed or concerned: Get medical advice/attention. | Germ cell mutagenicity | 1A, 1B, 2 | |
| | | Carcinogenicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | Effects on or via lactation | |
| P309 + P311 | IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. | Specific target organ toxicity — single exposure | 2 | |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. | Skin corrosion/irritation | 2 | |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/ attention. | Skin sensitisation | 1 | |
| P335 + P334 | Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages. | Pyrophoric solids | 1 | |
| | | Chemicals which, in contact with water, emit flammable gases | 1, 2 | |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. | Serious eye damage/ eye irritation | 2 | |
| P342 + | If experiencing respiratory symptoms: Call a POISON CENTER | Respiratory sensitisation | 1 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|--------------------------------|--|--|-----------------------------------|---|
| P311 | or doctor/physician. | | | |
| P370 + P376 | In case of fire: Stop leak if safe to do so. | Oxidizing gases | 1 | |
| P370 + P378 | In case of fire: Use ... for extinction. | Flammable liquids | 1, 2, 3 | ...Manufacturer/supplier to specify appropriate media. — <i>if water increases risk.</i> |
| | | Flammable solids | 1, 2 | |
| | | Self-reactive chemicals | Types A, B, C, D, E, F | |
| | | Pyrophoric liquids | 1 | |
| | | Pyrophoric solids | 1 | |
| | | Chemicals which, in contact with water, emit flammable gases | 1, 2, 3 | |
| | | Oxidising liquids | 1, 2, 3 | |
| | | Oxidising solids | 1, 2, 3 | |
| P370 + P380 | In case of fire: Evacuate area. | Explosives | Divisions 1.1, 1.2, 1.3, 1.4, 1.5 | |
| P370 + P380 + P375 | In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. | Self-reactive chemicals | Types A, B | |
| P371 | In case of major fire and large | Oxidising liquids | 1 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------------------------|---|------------------|-----------------|--------------------|
| + P380 + P375 | quantities: Evacuate area. Fight fire remotely due to the risk of explosion. | Oxidising solids | 1 | |

Table A3.2.5: Precautionary statements - Storage

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use | |
|-------------------------|--|--|---|---|--|
| P401 | Store ... | Explosives | Unstable explosives and Divisions 1.1,1.2, 1.3, 1.4,1.5 | ... in accordance with local/regional/national/international regulations (to be specified). | |
| P402 | Store in a dry place. | Chemicals which, in contact with water, emit flammable gases | 1, 2, 3 | | |
| P403 | Store in a well-ventilated place. | Flammable gases | 1, 2 | <i>— if product is volatile so as to generate hazardous atmosphere.</i> | |
| | | Oxidising gases | 1 | | |
| | | Gases under pressure | Compressed gas | | |
| | | | Liquefied gas | | |
| | | | Refrigerated Liquefied gas | | |
| | | | Dissolved gas | | |
| | | Flammable liquids | 1, 2, 3 | | |
| Self-reactive chemicals | Types A, B, C,D, E, F | | | | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|-------------------------------------|--|-----------------|--------------------|
| | | | | |
| | | Acute toxicity (inhalation) | 1, 2, 3 | |
| | | Specific target organ toxicity —single exposure; (<i>respiratory tract irritation</i>) | 3 | |
| | | Specific target organ toxicity —single exposure; (<i>narcosis</i>) | 3 | |
| P404 | Store in a closed container. | Chemicals which, in contact with water, emit flammable gases | 1, 2, 3 | |
| P405 | Store locked up. | Acute toxicity (oral) | 1, 2, 3 | |
| | | Acute toxicity (dermal) | 1, 2, 3 | |
| | | Acute toxicity (inhalation) | 1, 2, 3 | |
| | | Skin corrosion/skin irritation | 1A, 1B, 1C | |
| | | Germ cell mutagenicity | 1A, 1B, 2 | |
| | | Carcinogenicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | 1A, 1B, 2 | |
| | | Specific target organ toxicity — single exposure | 1, 2 | |
| | | Specific target organ toxicity —single exposure; (<i>respiratory tract irritation</i>) | 3 | |
| | | Specific target organ toxicity —single | 3 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|--|--|--|--|
| | | exposure; (<i>narcosis</i>) Aspiration hazard | 1 | |
| P406 | Store in corrosive resistant/ ... container with a resistant inner liner. | Corrosive to metals | 1 | ... Manufacturer/supplier to specify other compatible materials. |
| P407 | Maintain air gap between stacks/pallets. | Self-heating chemicals | 1, 2 | |
| P410 | Protect from sunlight. | Flammable aerosols | 1, 2 | |
| | | Gases under pressure | Compressed gas Liquefied gas Dissolved gas | |
| | | Self-heating chemicals | 1, 2 | |
| | | Organic peroxides | Types A, B, C, D, E, F | |
| P411 | Store at temperatures not exceeding ... °C/...°F. | Self-reactive chemicals | Types A, B, C, D, E, F | ... Manufacturer/supplier to specify temperature |
| | | Organic peroxides | Types A, B, C, D, E, F | |
| P412 | Do not expose to temperatures exceeding 50 °C/122 °F. | Flammable aerosols | 1, 2 | |
| P413 | Store bulk masses greater than ... kg/...lbs at temperatures not exceeding... °C/...°F. | Self-heating chemicals | 1, 2 | ... Manufacturer/supplier to specify mass and temperature. |
| P420 | Store away from other materials. | Self-reactive chemicals | Types A, B, C, D, E, F | |
| | | Self-heating chemicals | 1, 2 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|----------------------------------|--------------------|------------------------|--|
| | | Organic peroxides | Types A, B, C, D, E, F | |
| P422 | Store contents under... | Pyrophoric liquids | 1 | ... Manufacturer/supplier to specify appropriate liquid or inert gas |
| | | Pyrophoric solids | 1 | |

Table A3.2.6: Precautionary statements - Storage

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|-------------|---|---|---------------------------------|---|
| P402 + P404 | Store in a dry place. Store in a closed container. | Chemicals which, in contact with water, emit flammable gases | 1, 2, 3 | |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. | Acute toxicity (inhalation) | 1, 2, 3 | <i>— if product is volatile so as to generate hazardous</i> |
| | | Specific target organ toxicity atmosphere. — single exposure; (<i>respiratory tract irritation</i>) | 3 | |
| | | Specific target organ toxicity — single exposure; (<i>narcosis</i>) | 3 | |
| P403 + P235 | Store in a well-ventilated place. Keep cool. | Flammable liquids | 1, 2, 3 | |
| | | Self-reactive chemicals | Types A, B, C, D, E, F | |
| P410 + | Protect from sunlight. Store in a well-ventilated place. | Gases under pressure | Compressed gas Liquefied gas | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|-------------------|--|--------------------|------------------------|---|
| P403 | | | Dissolved gas | |
| P410 + P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. | Flammable aerosols | 1, 2 | |
| P411 + P235 | Store at temperatures not exceeding ... °C/...°F. Keep cool. | Organic peroxides | Types A, B, C, D, E, F | ... Manufacturer/supplier to specify temperature. |

Table A3.2.7: Precautionary statements - Disposal

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|---|--|--|--|
| P501 | Dispose of contents/container to ... | Explosives | Unstable explosives and Divisions 1.1, 1.2, 1.3, 1.4,1.5 | ... in accordance with local/regional/national/international regulation (to be specified). |
| | | Flammable liquids | 1, 2, 3 | |
| | | Self-reactive chemicals | Types A, B, C, D, E, F | |
| | | Chemicals which, in contact with water, emit flammable gases | 1, 2, 3 | |
| | | Oxidising liquids | 1, 2, 3 | |
| | | Oxidising solids | 1, 2, 3 | |
| | | Organic peroxides | Types A, B, C, D, E, F | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|----------------------------------|--|-----------------|--------------------|
| | | Acute toxicity (oral) | 1, 2, 3, 4 | |
| | | Acute toxicity (dermal) | 1, 2, 3, 4 | |
| | | Acute toxicity (inhalation) | 1, 2 | |
| | | Skin corrosion/irritation | 1A, 1B, 1C | |
| | | Respiratory sensitisation | 1 | |
| | | Skin sensitisation | 1 | |
| | | Germ cell mutagenicity | 1A, 1B, 2 | |
| | | Carcinogenicity | 1A, 1B, 2 | |
| | | Reproductive toxicity | 1A, 1B, 2 | |
| | | Specific target organ toxicity —single exposure | 1, 2 | |
| | | Specific target organ toxicity —single exposure; (<i>respiratory tract irritation</i>) | 3 | |
| | | Specific target organ toxicity —single exposure; (<i>narcosis</i>) | 3 | |
| | | Specific target organ toxicity — repeated exposure | 1, 2 | |
| | | Aspiration hazard | 1 | |
| | | Hazardous to the | 1 | |

| Code | General precautionary statements | Hazard class | Hazard category | Conditions for use |
|------|----------------------------------|---|-----------------|--------------------|
| | | aquatic environment — acute hazard | | |
| | | Hazardous to the aquatic environment — chronic hazard | 1, 2, 3, 4 | |
| | | Hazardous to the ozone layer | 1 | |