|  |
| --- |
| **UN/SCEGHS/45/INF.3** |
| **Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals**  **Sub-Committee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals** **19 September 2023**  **Forty-fifth session**  Geneva, 6-8 December 2023  Item 2 (i) of the provisional agenda  **Work on the Globally Harmonized System of Classification and  Labelling of Chemicals:**  **Improvement of annexes 1 to 3 and  further rationalization of precautionary statements** |

Proposed amendments to precautionary statements in Annex 3 due to the acute toxicity and specific target organ toxicity hazard classes

Transmitted by the expert from the United Kingdom on behalf of the informal working group on improving annexes 1, 2 and 3 of the GHS

This informal document sets out the changes proposed in document ST/SG/AC.10/C.4/2023/9. Existing (unchanged) text is shown in black, deleted text shown in strikethrough and new text shown in red.

Proposed amendments to annex 3, section 2

**Table A3.2.2: Prevention precautionary statements**

| **Code** | **Prevention precautionary statements** | | **Hazard class** | **Hazard category** | **Conditions for use** |
| --- | --- | --- | --- | --- | --- |
| **(1)** | **(2)** | | **(3)** | **(4)** | **(5)** |
| P260 | **Do not breathe dust/fume/gas/mist/vapours/spray.** | | Acute toxicity, inhalation (chapter 3.1) | 1, 2, 3 | Manufacturer/supplier or the competent authority to specify applicable physical state(s). |
| Respiratory sensitization (chapter 3.4) | 1, 1A, 1B |
| Specific target organ toxicity, single exposure (chapter 3.8) | 1~~, 2~~ |
| Specific target organ toxicity, repeated exposure (chapter 3.9) | 1~~, 2~~ |
| Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | – specify do not breathe dusts or mists  – if inhalable particles *of dusts or mists* may occur during use. |
| Reproductive toxicity, effects on or via lactation (chapter 3.7) | Additional category |
| P261 | **Avoid breathing dust/fume/gas/mist/vapours/spray.** | | Acute toxicity, inhalation (chapter 3.1) | ~~3,~~ 4 | – *may be omitted if P260 is given on the label.*  Manufacturer/supplier or the competent authority to specify applicable ~~conditions~~ physical state(s). |
| Skin sensitization (chapter 3.4) | 1, 1A, 1B |
| Specific target organ toxicity, single exposure (chapter 3.8) | 2 |
| Specific target organ toxicity, repeated exposure (chapter 3.9) | 2 |
| Specific target organ toxicity, single exposure; respiratory tract irritation (chapter 3.8) | 3 |
| Specific target organ toxicity, single exposure; narcotic effects (chapter 3.8) | 3 |
| P284 | | **In case of inadequate ventilation wear respiratory protection.** | Acute toxicity, inhalation (chapter 3.1) | 1, 2, 3 | Manufacturer/supplier to specify on the safety data sheet what type of ventilation would be adequate for safe use and provide additional information with the chemical at the point of use that explains what type of respiratory equipment may also be needed. |
| Respiratory sensitization (chapter 3.4) | 1, 1A, 1B |
|  |  | |  |  |  |

**Table A3.2.3: Response precautionary statements**

| **Code** | **Response precautionary statements** | **Hazard class** | **Hazard category** | **Conditions for use** |
| --- | --- | --- | --- | --- |
| **(1)** | **(2)** | **(3)** | **(4)** | **(5)** |
|  |  |  |  |  |
| P320 | **Specific treatment is urgent (see ~~…~~ information** **on this label and safety data sheet).** | Acute toxicity, oral (chapter 3.1) | 1, 2, 3 | ~~– if immediate administration of antidote is required.~~  ~~...Reference to supplemental first aid instruction.~~**-**  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate. |
| Acute toxicity, dermal (chapter 3.1) | 1, 2, 3 |
| Acute toxicity, inhalation (chapter 3.1) | 1, 2, 3 |
| P321 | Specific treatment (see **~~…~~** **information** on this label **and safety data sheet**). | Acute toxicity, oral (chapter 3.1) | ~~1, 2, 3~~4 | ~~– if immediate administration of antidote is required.~~  ~~...Reference to supplemental first aid instruction.~~  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  - may be omitted if P320 is given on the label. |
| Acute toxicity, dermal (chapter 3.1) | ~~1, 2, 3,~~ 4 | ~~– if immediate measures such as specific cleansing agent is advised.~~  ~~...Reference to supplemental first aid instruction.~~ |
| Acute toxicity, inhalation (chapter 3.1) | ~~3~~4 | ~~– if immediate specific measures are required.~~  ~~...Reference to supplemental first aid instruction.~~ |
| Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | ~~...Reference to supplemental first aid instruction.~~  ~~Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.~~ |
| Skin irritation (chapter 3.2) | 2 |
| Skin sensitization (chapter 3.4) | 1, 1A, 1B |
| Specific target organ toxicity, single exposure (chapter 3.8) | 1 | ~~– if immediate measures are required.~~  ~~...Reference to supplemental first aid instruction.~~ |
|  |  |  |  |  |
| P322 | **Specific treatment is urgent (see information on the safety data sheet).** | Acute toxicity, oral (chapter 3.1) | 1, 2, 3 | Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P320 is given on the label. |
| Acute toxicity, dermal (chapter 3.1) | 1, 2, 3 |
| Acute toxicity, inhalation (chapter 3.1) | 1, 2, 3 |
| P323 | Specific treatment (see **information on the safety data sheet).** | Acute toxicity, oral (chapter 3.1) | 4 | Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P321 or P322 is given on the label. |
| Acute toxicity, dermal (chapter 3.1) | 4 |
| Acute toxicity, inhalation (chapter 3.1) | 4 |
| Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C |
| Skin irritation (chapter 3.2) | 2 |
| Skin sensitization (chapter 3.4) | 1, 1A, 1B |
| Specific target organ toxicity, single exposure (chapter 3.8) | 1 |
|  |  |  |  |  |
| P340 | **Remove person to fresh air and keep comfortable for breathing.** | Acute toxicity, inhalation (chapter 3.1) | 1, 2, 3, 4, 5 |  |
| Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C |
| Respiratory sensitization (chapter 3.4) | 1, 1A, 1B |
| Specific target organ toxicity, single exposure; respiratory tract irritation (chapter 3.8) | 3 |
| Specific target organ toxicity, single exposure; narcotic effects (chapter 3.8) | 3 |
|  |  |  |  |  |
| P352 | Wash with plenty of water/... | Acute toxicity, dermal (chapter 3.1) | 1, 2, 3, 4, 5 | …Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. |
| Skin irritation (chapter 3.2) | 2 |
| Skin sensitization (chapter 3.4) | 1, 1A, 1B |
|  |  |  |  |  |
| P302 + P317 | ~~IF ON SKIN: Get medical help.~~  *[Deleted]* | ~~Acute toxicity, dermal (chapter 3.1)~~ | ~~5~~ |  |
| P302  +  P352 | IF ON SKIN: Wash with plenty of water/... | Acute toxicity, dermal (chapter 3.1) | 1, 2, 3, 4, 5 | …Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. |
| Skin irritation (chapter 3.2) | 2 |
| Skin sensitization (chapter 3.4) | 1, 1A, 1B |
|  |  |  |  |  |
| P304  +  P317 | ~~IF INHALED:~~ **~~Get medical help.~~**  *[Deleted]* | ~~Acute toxicity, inhalation (chapter 3.1)~~ | ~~5~~ |  |
| P304  +  P340 | IF INHALED: **Remove person to fresh air and keep comfortable for breathing.** | Acute toxicity, inhalation (chapter 3.1) | 1, 2, 3, 4, 5 |  |
| Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C |  |
| Respiratory sensitization (chapter 3.4) | 1, 1A, 1B |  |
| Specific target organ toxicity, single exposure; respiratory tract irritation (chapter 3.8) | 3 |  |
| Specific target organ toxicity, single exposure; narcotic effects (chapter 3.8) | 3 |  |
|  |  |  |  |  |

**Table A3.2.5: Disposal precautionary statements**

| **Code** | **Disposal precautionary statements** | **Hazard class** | **Hazard category** | **Conditions for use** |
| --- | --- | --- | --- | --- |
| **(1)** | **(2)** | **(3)** | **(4)** | **(5)** |
| P501 | Dispose of contents/container to ... | Flammable liquids (chapter 2.6) | 1, 2, 3, 4 | ... in accordance with local/regional/ national/international regulation (to be specified).  Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. |
| Self-reactive substances and mixtures (chapter 2.8) | Types A, B, C, D, E, F |
| Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12) | 1, 2, 3 |
| Oxidizing liquids (chapter 2.13) | 1, 2, 3 |
| Oxidizing solids (chapter 2.14) | 1, 2, 3 |
| Organic peroxides (chapter 2.15) | Types A, B, C, D, E, F |
| Desensitized explosives (chapter 2.17) | 1, 2, 3, 4 |
| Acute toxicity, oral (chapter 3.1) | 1, 2, 3, 4 |
| Acute toxicity, dermal (chapter 3.1) | 1, 2, 3, 4 |
| Acute toxicity, inhalation (chapter 3.1) | 1, 2, 3, 4 |
| Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C |
| Respiratory sensitization (chapter 3.4) | 1, 1A, 1B |
| Skin sensitization (chapter 3.4) | 1, 1A, 1B |
| Germ cell mutagenicity (chapter 3.5) | 1, 1A, 1B, 2 |
| Carcinogenicity (chapter 3.6) | 1, 1A, 1B, 2 |
| Reproductive toxicity (chapter 3.7) | 1, 1A, 1B, 2 |
| Specific target organ toxicity, single exposure (chapter 3.8) | 1, 2 |
| Specific target organ toxicity, single exposure; respiratory tract irritation (chapter 3.8) | 3 |
| Specific target organ toxicity, single exposure; narcotic effects (chapter 3.8) | 3 |
| Specific target organ toxicity, repeated exposure  (chapter 3.9) | 1, 2 |
| Aspiration hazard (chapter 3.10) | 1, 2 |
| Hazardous to the aquatic environment, acute hazard  (chapter 4.1) | 1, 2, 3 |
| Hazardous to the aquatic environment, long-term hazard (chapter 4.1) | 1, 2, 3, 4 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Proposed amendments to the matrix tables in annex 3, section 3: **ACUTE TOXICITY – ORAL (CHAPTER 3.1)** | | | | | | | | | | | |
| **Hazard category** | **Symbol** | | | | | **Signal word** | **Hazard statement** | | | | |
| 1 | Skull and crossbones | | | |  | Danger | H300 | | Fatal if swallowed | | |
| 2 | Skull and crossbones | | | | Danger | H300 | | Fatal if swallowed | | |
| 3 | Skull and crossbones | | | | Danger | H301 | | Toxic if swallowed | | |
| **Precautionary statements** | | | | | | | | | | | |
| **Prevention** | **Response** | | | | | | | | **Storage** | **Disposal** | |
| P264 **Wash hands [and…] thoroughly after handling.** *- text in square brackets to be used when the manufacturer/supplier or the competent authority specify other parts of the body to be washed after handling*.  P270 **Do not eat, drink or smoke when using this product.** | P301 + P316 **IF SWALLOWED:** **Get emergency medical help immediately.** Competent authority or manufacturer / supplier may add, ‘Call’ followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a Poison Centre, Emergency Centre or Doctor.  ~~P321~~ **~~Specific treatment (see ... on this label)~~** ~~–~~ *~~if immediate administration of antidote is required~~*~~. ... Reference to supplemental first aid instruction.~~  P320 **Specific treatment is urgent (see information on this label and safety data sheet).**  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  P322 **Specific treatment is urgent (see information on the safety data sheet).**  Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P320 is given on the label.  P330 **Rinse mouth.** | | | | | | | | P405 **Store locked up.** | P501 **Dispose of contents/container to...**  ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. | |
| **ACUTE TOXICITY – ORAL (CHAPTER 3.1)** | | | | | | | | | | | | |
| **Hazard category** | | **Symbol** |  | | | **Signal word** | **Hazard statement** | | | | | |
| 4 | | Exclamation mark | Warning | H302 | | Harmful if swallowed | | | |
| **Precautionary statements** | | | | | | | | | | | | |
| **Prevention** | | | | **Response** | | | | **Storage** | | | **Disposal** | |
| P264 **Wash hands [and…] thoroughly after handling.** *- text in square brackets to be used when the manufacturer/supplier or the competent authority specify other parts of the body to be washed after handling.*  P270 **Do not eat, drink or smoke when using this product.** | | | | P301 + P317 **IF SWALLOWED:** **Get medical help.**  P321  Specific treatment (see **information** on this label **and safety data sheet**).  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  - may be omitted if P320 is given on the label.  P323  Specific treatment (see **information on the safety data sheet).**  Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment. - may be omitted if P321 or P322 is given on the label.  P330 **Rinse mouth.** | | | |  | | | P501 **Dispose of contents/container to...**  ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ACUTE TOXICITY – DERMAL (CHAPTER 3.1)** | | | | | | | |
| **Hazard category** | **Symbol** | |  | **Signal word** | **Hazard statement** | | |
| 1 | Skull and crossbones | | Danger | H310 | Fatal in contact with skin | | |
| 2 | Skull and crossbones | | Danger | H310 | Fatal in contact with skin | | |
| **3** | **Skull and crossbones** | |  | **Danger** | **H311** | **Toxic in contact with skin** | | |
| **Precautionary statements** | | | | | | | |
| **Prevention** | | **Response** | | | **Storage** | | **Disposal** |
| P262 **Do not get in eyes, on skin, or on clothing.**  P264 **Wash hands [and…] thoroughly after handling.** *- text in square brackets to be used when the manufacturer/supplier or the competent authority specify other parts of the body to be washed after handling.*  P270 **Do not eat, drink or smoke when using this product.**  P280 **Wear protective gloves/protective clothing.** Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate. | | P302 + P352 **IF ON SKIN: Wash with plenty of water/...** …Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.  P316 **Get emergency medical help immediately.** Competent authority or manufacturer / supplier may add, ‘Call’ followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a Poison Centre, Emergency Centre or Doctor.  ~~P321~~ **~~Specific treatment (see ... on this label)~~** ~~–~~ *~~if immediate measures such as specific cleansing agent is advised~~*~~. ... Reference to supplemental first aid instruction.~~  P320 **Specific treatment is urgent (see information on this label and safety data sheet).**  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  P322 **Specific treatment is urgent (see information on the safety data sheet).**  Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P320 is given on the label*.*  P361+ P364 **Take off immediately all contaminated clothing and wash it before reuse.** | | | P405 **Store locked up.** | | P501 **Dispose of contents/container to...** ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **~~ACUTE TOXICITY – DERMAL~~****~~(CHAPTER 3.1)~~** | | | | | | | | | | | | | | | |
| **~~Hazard category~~** | **~~Symbol~~** | | | |  | | **~~Signal word~~** | | **~~Hazard statement~~** | | | | | | |
| ~~3~~ | ~~Skull and crossbones~~ | | | | ~~Danger~~ | | ~~H311~~ | ~~Toxic in contact with skin~~ | | | | | |
| **~~Precautionary statements~~** | | | | | | | | | | | | | | | |
| **~~Prevention~~** | | | | **~~Response~~** | | | | | | | | **~~Storage~~** | | | **~~Disposal~~** |
| ~~P262~~ **~~Do not get in eyes, on skin, or on clothing.~~**  ~~P264~~ **~~Wash hands [and ...] thoroughly after handling.~~** ~~− text in square brackets to be used when the manufacturer/supplier or competent authority specify other parts of the body to be washed after handling.~~  ~~P270~~ **~~Do not eat, drink or smoke when using this product.~~**  ~~P280~~ **~~Wear protective gloves/protective clothing.~~** ~~Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.~~ | | | | ~~P302 + P352~~ **~~IF ON SKIN: Wash with plenty of water/...~~** ~~…Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.~~  ~~P316~~ **~~Get emergency medical help immediately.~~** ~~Competent authority or manufacturer / supplier may add, ‘Call’ followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a Poison Centre, Emergency Centre or Doctor.~~  ~~P321~~ **~~Specific treatment (see ... on this label)~~** ~~–~~ *~~if immediate measures such as specific cleansing agent is advised.~~* ~~... Reference to supplemental first aid instruction.~~  ~~P361 + P364~~ **~~Take off immediately all contaminated clothing and wash it before reuse.~~** | | | | | | | | P405 Store locked up. | | | ~~P501~~ **~~Dispose of contents/container to...~~** ~~... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.~~ |
| **ACUTE TOXICITY – DERMAL (CHAPTER 3.1)** | | | | | | | | | | | | | | | | |
| **Hazard category** | | | **Symbol** | | |  | | **Signal word** | | | **Hazard statement** | | | | | |
| 4 | | | Exclamation mark | | | Warning | | | H312 | | Harmful in contact with skin | | | | |
| **Precautionary statements** | | | | | | | | | | | | | | | | |
| **Prevention** | | **Response** | | | | | | | | | **Storage** | | | **Disposal** | | |
| P280 **Wear protective gloves/protective clothing** Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate. | | P302 + P352 **IF ON SKIN: Wash with plenty of water/...** …Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.  P317 **Get medical help.**  P321**Specific treatment (see ~~...~~ information on this label and safety data sheet).**  ~~–~~ *~~if immediate measures such as specific cleansing agent is advised.~~* ~~... Reference to supplemental first aid instruction.~~-  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  - may be omitted if P320 is given on the label*.*  P323 **Specific treatment (see information on the safety data sheet).**  Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P321 or P322 is given on the label*.*  P362 + P364 **Take off contaminated clothing and wash it before reuse.** | | | | | | | | |  | | | P501 **Dispose of contents/container to...**  ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ACUTE TOXICITY – DERMAL (CHAPTER 3.1)** | | | | | | | |
| **Hazard category** | **Symbol** | | **Signal word** | **Hazard statement** | | | |
| 5 | *No symbol* | | Warning | H313 | May be harmful in contact with skin | | |
| **Precautionary statements** | | | | | | | |
| **Prevention** | | **Response** | | | | **Storage** | **Disposal** |
|  | | P317 **Get medical help.**  ~~P302 + P317~~ **~~IF ON SKIN: Get medical help.~~**  P302 + P352 **IF ON SKIN: Wash with plenty of water/...** …Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. | | | |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ACUTE TOXICITY – INHALATION (CHAPTER 3.1)** | | | | | | | | | | | | | | |
| **Hazard category** | **Symbol** | | |  | | | **Signal word** | | | | **Hazard statement** | | | |
| 1 | Skull and crossbones | | | Danger | | | | H330 | Fatal if inhaled | | | |
| 2 | Skull and crossbones | | | Danger | | | | H330 | Fatal if inhaled | | | |
| **3** | **Skull and crossbones** | | |  | | | **Danger** | | | | **H331** | **Toxic if inhaled** | | | |
| **Precautionary statements** | | | | | | | | | | | | | | |
| **Prevention** | | | **Response** | | | | | | | | **Storage** | | **Disposal** | |
| P260 **Do not breathe dust/fume/gas/mist/ vapours/spray.** Manufacturer/supplier or the competent authority to specify applicable physical state(s).  P271 **Use only outdoors or with adequate ventilation.** Manufacturer/supplier to specify what type of ventilation would be adequate for safe use on the safety data sheet and in any supplemental safety instructions provided to consumers.  P284 **In case of inadequate ventilation wear respiratory protection.** Manufacturer/supplier to specify on the safety data sheet what type of ventilation would be adequate for safe use and provide additional information with the chemical at the point of use that explains what type of respiratory equipment may also be needed. | | | P304 + P340 **IF INHALED: Remove person to fresh air and keep comfortable for breathing.**  P316 **Get emergency medical help immediately.** Competent authority or manufacturer / supplier may add, ‘Call’ followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a Poison Centre, Emergency Centre or Doctor.  P320 **Specific treatment is urgent (see ~~...~~ information on this label and safety data sheet)** ~~–~~ *~~if immediate administration of antidote is required~~*~~. ... Reference to supplemental first aid instruction.~~  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  P322 **Specific treatment is urgent (see information on the safety data sheet).**  Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P320 is given on the label*.* | | | | | | | | P403 + P233 **Store in a well-ventilated place. Keep container tightly closed.** – *if the chemical is volatile* *and may generate a hazardous atmosphere.*  P405 **Store locked up.** | | P501 **Dispose of contents/container to...**  ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. | |
| **~~ACUTE TOXICITY – INHALATION~~****~~(CHAPTER 3.1)~~** | | | | | | | | | | | | | | |
| **~~Hazard category~~** | **~~Symbol~~** | |  | | | | | **~~Signal word~~** | | | **~~Hazard statement~~** | | | |
| ~~3~~ | ~~Skull and crossbones~~ | | ~~Danger~~ | | | ~~H331~~ | ~~Toxic if inhaled~~ | | |
| **~~Precautionary statements~~** | | | | | | | | | | | | | | |
| **~~Prevention~~** | | | | **~~Response~~** | | | | | | | **~~Storage~~** | | **~~Disposal~~** | |
| ~~P261~~ **~~Avoid breathing dust/fume/gas/mist/ vapours/spray~~**~~.~~ *~~– may be omitted if P260 is given on the label~~* ~~Manufacturer/supplier or the competent authority to specify applicable conditions.~~  ~~P271~~ **~~Use only outdoors or with adequate ventilation.~~** ~~Manufacturer/supplier to specify what type of ventilation would be adequate for safe use on the safety data sheet and in any supplemental safety instructions provided to consumers.~~ | | | | ~~P304 + P340~~ **~~IF INHALED: Remove person to fresh air and keep comfortable for breathing.~~**  ~~P316~~ **~~Get emergency medical help immediately.~~** ~~Competent authority or manufacturer / supplier may add, ‘Call’ followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a Poison Centre, Emergency Centre or Doctor.~~  ~~P321~~ **~~Specific treatment (see ... on this label)~~** ~~–~~ *~~if immediate specific measures are required~~*~~. ... Reference to supplemental first aid instruction.~~ | | | | | | | ~~P403 + P233~~ **~~Store in a well-ventilated place. Keep container tightly closed.~~** ~~–~~ *~~if the chemical is volatile~~**~~and may~~**~~generate a hazardous atmosphere.~~*  ~~P405~~ **~~Store locked up.~~** | | ~~P501~~ **~~Dispose of content/container to…~~** ~~… in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.~~ | |
| **ACUTE TOXICITY – INHALATION (CHAPTER 3.1)** | | | | | | | | | | | | | | |
| **Hazard category** | | **Symbol** | | | |  | | | **Signal word** | **Hazard statement** | | | | |
| 4 | | Exclamation mark | | | | Warning | H332 | Harmful if inhaled | | | |
| **Precautionary statements** | | | | | | | | | | | | | | |
| **Prevention** | | | | | **Response** | | | | | **Storage** | | | | **Disposal** |
| P261 **Avoid breathing dust/fume/gas/mist/ vapours/spray.** *– may be omitted if P260 is given on the label* Manufacturer/supplier or the competent authority to specify applicable ~~conditions~~physical state(s).  P271 **Use only outdoors or with adequate ventilation.** Manufacturer/supplier to specify what type of ventilation would be adequate for safe use on the safety data sheet and in any supplemental safety instructions provided to consumers. | | | | | P304 + P340 **IF INHALED: Remove person to fresh air and keep comfortable for breathing.**  P317 **Get medical help.**  P321  Specific treatment (see **information** on this label **and safety data sheet**).  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  - may be omitted if P320 is given on the label*.*  P323 **Specific treatment (see information on the safety data sheet).**  Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P321 or P322 is given on the label*.* | | | | |  | | | | P501 **Dispose of contents/container to...**  ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ACUTE TOXICITY – INHALATION (CHAPTER 3.1)** | | | | | | |
| **Hazard category** | **Symbol** | | **Signal word** | **Hazard statement** | | |
| 5 | *No symbol* | | Warning | H333 | May be harmful if inhaled | |
| **Precautionary statements** | | | | | | |
| **Prevention** | | **Response** | | | **Storage** | **Disposal** |
|  | | P317 **Get medical help.**  ~~P304 + P317~~ **~~IF INHALED: Get medical help.~~**  P304 + P340 **IF INHALED: Remove person to fresh air and keep comfortable for breathing.** | | |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SKIN CORROSION/IRRITATION (CHAPTER 3.2)** | | | | | | | | |
| **Hazard category** | **Symbol** | |  | **Signal word** | **Hazard statement** | | | |
| 1, 1A, 1B, 1C | Corrosion | | Danger | H314 | Causes severe skin burns and eye damage | | |
| **Precautionary statements** | | | | | | | | |
| **Prevention** | | **Response** | | | | | **Storage** | **Disposal** |
| P260 **Do not breathe dusts or mists.** *– if inhalable particles of dusts or mists may occur during use.*  P264 **Wash hands [and…] thoroughly after handling.** *- text in square brackets to be used when the manufacturer/supplier or the competent authority specify other parts of the body to be washed after handling.*  P280 **Wear protective gloves/protective clothing/eye protection/face protection.** Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate. | | P301 + P330 + P331 **IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**  P302 + P361 + P354 **IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.**  P363 **Wash contaminated clothing before reuse.**  P304 + P340 **IF INHALED: Remove person to fresh air and keep comfortable for breathing.**  P316 **Get emergency medical help immediately.** Competent authority or manufacturer / supplier may add, ‘Call’ followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a Poison Centre, Emergency Centre or Doctor.  P321 **Specific treatment (see ~~...~~ information on this label and safety data sheet)** ~~... Reference to supplemental first aid instruction.~~ ~~Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.~~  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  - may be omitted if P320 is given on the label*.*  P323 **Specific treatment (see information on the safety data sheet).**  Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P321 or P322 is given on the label*.*  P305 + P354 + P338 **IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.** | | | | | P405 **Store locked up.** | P501 **Dispose of contents/container to...** ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SKIN CORROSION/IRRITATION (CHAPTER 3.2)** | | | | | | | | | | | | | | | | |
| **Hazard category** | | **Symbol** | | |  | | | **Signal word** | **Hazard statement** | | | | | | | |
| 2 | | Exclamation mark | | | Warning | H315 | | Causes skin irritation | | | | | |
| **Precautionary statements** | | | | | | | | | | | | | | | | |
| **Prevention** | | | | | | **Response** | | | | | | | | **Storage** | | **Disposal** |
| P264 **Wash hands [and…] thoroughly after handling.** *- text in square brackets to be used when the manufacturer/supplier or the competent authority specify other parts of the body to be washed after handling.*  P280 **Wear protective gloves.** Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate. | | | | | | P302 + P352 **IF ON SKIN: Wash with plenty of water/…** …Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.  P321 **Specific treatment (see ~~...~~ information on this label and safety data sheet)** ~~... Reference to supplemental first aid instruction.~~ ~~Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.~~  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  - may be omitted if P320 is given on the label*.*  P323 **Specific treatment (see information on the safety data sheet).**  Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P321 or P322 is given on the label*.*  P332 + P317 **If skin irritation occurs: Get medical help.**  – *may be omitted when P333+P317 appears on the label.*  P362 + P364 **Take off contaminated clothing and wash it before reuse.** | | | | | | | |  | |  |
| **SKIN SENSITIZATION (CHAPTER 3.4)** | | | | | | | | | | | | | | | | |
| **Hazard category** | **Symbol** | | |  | | | **Signal word** | | | **Hazard statement** | | | | | | |
| 1, 1A, 1B | Exclamation mark | | | Warning | | | H317 | | May cause an allergic skin reaction | | | | |
| **Precautionary statements** | | | | | | | | | | | | | | | | |
| **Prevention** | | | **Response** | | | | | | | | | | **Storage** | | **Disposal** | |
| P261 **Avoid breathing dust/fume/gas/mist/ vapours/spray.**  *– may be omitted if P260 is given on the label* Manufacturer/supplier or the competent authority to specify applicable ~~conditions~~physical state(s).  P272 **Contaminated work clothing should not be allowed out of the workplace.**  P280 **Wear protective gloves.** Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate. | | | P302 + P352 **IF ON SKIN: Wash with plenty of water/…** …Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.  P333 + P317 **If skin irritation or rash occurs: Get medical help.**  P321 **Specific treatment (see ~~...~~ information on this label and safety data sheet).** ~~... Reference to supplemental first aid instruction. Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.~~  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  - may be omitted if P320 is given on the label*.*  P323 **Specific treatment (see information on the safety data sheet).**  Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P321 or P322 is given on the label*.*  P362 + P364 **Take off contaminated clothing and wash it before reuse.** | | | | | | | | | |  | | P501 **Dispose of contents/container to...**  ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (CHAPTER 3.8)** | | | | | | | | |
| **Hazard category** | **Symbol** |  | | **Signal word** | **Hazard statement** | | | |
| 1 | Health hazard | Danger | H370 | Causes damage to organs <..> <<...>> | | |
|  |  |  | <...> *(or state all organs affected if known)* | | | |
|  |  |  | <<...>> *(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)* | | | |
| **Precautionary statements** | | | | | | | | |
| **Prevention** | | | **Response** | | | | **Storage** | **Disposal** |
| P260 **Do not breathe dust/fume/gas/mist/vapours/spray.** Manufacturer/supplier or the competent authority to specify applicable physical state(s).  P264 **Wash hands [and…] thoroughly after handling.** *- text in square brackets to be used when the manufacturer/supplier or the competent authority specify other parts of the body to be washed after handling*.  P270 **Do not eat, drink or smoke when using this product.** | | | P308 + P316 **IF exposed or concerned: Get emergency medical help immediately.** Competent authority or manufacturer / supplier may add, ‘Call’ followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a Poison Centre, Emergency Centre or Doctor.  P321 **Specific treatment (see ~~...~~ information on this label and safety data sheet)**­~~-~~ *~~if immediate measures are required~~*~~. ... Reference to supplemental first aid instruction.~~  - if immediate measures that can be easily applied, such as the administration of antidote or other specific treatment, are required. These measures must be specified on the label and safety data sheet, recognizing additional detailed instructions, including any training requirements, should be provided on the safety data sheet, if appropriate.  - may be omitted if P320 is given on the label*.*  P323 **Specific treatment (see information on the safety data sheet).**  Manufacturer/supplier to reference on the safety data sheet detailed instructions, including any training requirements, to administer an antidote or other specific treatment.  - may be omitted if P321 or P322 is given on the label*.* | | | | P405 **Store locked up** | P501 **Dispose of contents/container to...** ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (CHAPTER 3.8)** | | | | | | | | |
| **Hazard category** | **Symbol** |  | | **Signal word** | **Hazard statement** | | | |
| 2 | Health hazard | Warning | H371 | May cause damage to organs <...> <<...>> | | |
|  |  |  | <...> *(or state all organs affected, if known)* | | | |
|  |  |  | <<...>> *(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)* | | | |
| **Precautionary statements** | | | | | | | | |
| **Prevention** | | | **Response** | | | | **Storage** | **Disposal** |
| ~~P260~~ **~~Do not breathe dust/fume/gas/mist/ vapours/spray.~~** ~~Manufacturer/supplier or the competent authority to specify applicable physical state(s).~~  **P261 Avoid breathing dust/fume/gas/mist/ vapours/spray.** *– may be omitted if P260 is given on the label*  Manufacturer/supplier or the competent authority to specify applicable physical state(s).  P264 **Wash hands [and…] thoroughly after handling.** *- text in square brackets to be used when the manufacturer/supplier or the competent authority specify other parts of the body to be washed after handling*.  P270 **Do not eat, drink or smoke when using this product.** | | | P308+P316 **IF exposed or concerned: Get emergency medical help immediately.** Competent authority or manufacturer / supplier may add, ‘Call’ followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a Poison Centre, Emergency Centre or Doctor. | | | | P405 **Store locked up.** | P501 **Dispose of contents/container to...** ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (CHAPTER 3.8)** | | | | | | | | |
|  | | | | | | | | |
| **Hazard category** | **Symbol** |  | | **Signal word** | **Hazard statement** | | | |
| 3 | Exclamation mark | Warning | H335 | May cause respiratory irritation | | |
|  |  |  | H336 | May cause drowsiness or dizziness | | |
| **Precautionary statements** | | | | | | | | |
| **Prevention** | | | **Response** | | | | **Storage** | **Disposal** |
| P261 **Avoid breathing dust/fume/gas/mist/vapours/spray.** – *may be omitted if P260 is given on the label.* Manufacturer/supplier or the competent authority to specify applicable ~~conditions~~ physical state(s).  P271 **Use only outdoors or with adequate ventilation.** Manufacturer/supplier to specify what type of ventilation would be adequate for safe use on the safety data sheet and in any supplemental safety instructions provided to consumers. | | | P304 + P340 **IF INHALED: Remove person to fresh air and keep comfortable for breathing.**  P319 **Get medical help if you feel unwell.** | | | | P403 + P233 **Store in a well-ventilated place. Keep container tightly closed. –** *if the chemical is volatile* *and may* *generate a hazardous atmosphere.*  P405 **Store locked up.** | P501 **Dispose of contents/container to...**  ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (CHAPTER 3.9)** | | | | | | | | |
| **Hazard category** | **Symbol** |  | | **Signal word** | **Hazard statement** | | | |
| 2 | Health hazard | Warning | H373 | May cause damage to organs <...> through prolonged or repeated exposure <<...>> | | |
|  |  |  | <...> | *(state all organs affected, if known)*  *(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)* | | |
| **Precautionary statements** | | | | | | | | |
| **Prevention** | | | **Response** | | | | **Storage** | **Disposal** |
| ~~P260~~ **~~Do not breathe dust/fume/gas/mist/vapours/spray.~~** ~~Manufacturer/supplier or the competent authority to specify applicable physical state(s).~~  **P261 Avoid breathing dust/fume/gas/mist/ vapours/spray.** *– may be omitted if P260 is given on the label*  Manufacturer/supplier or the competent authority to specify applicable physical state(s). | | | P319 **Get medical help if you feel unwell.** | | | |  | P501  **Dispose of contents/container to...** ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both. |