

**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals**

20 September 2018

**Sub-Committee of Experts on the Globally
Harmonized System of Classification and Labelling
of Chemicals**

Thirty-sixth session

Geneva, 5-7 December 2018

Item 4 (b) of the provisional agenda

Hazard communication:

**improvement of annexes 1 to 3 and further
rationalization of precautionary statements**

**Proposed changes to Annex 3 to improve medical response
precautionary statements (P310 to P315)**

**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 working document ST/SG/AC.10/C.4/2018/30. New text is shown in **red**, and deleted text is shown in ~~strikethrough~~.

Annex 3

Section 2

Codification of Precautionary Statements

A3.2.3.5 In cases where additional information is required, or information **either** has to be **or may be** specified, this is indicated by a relevant entry in column (5) in plain text.

A3.2.3.9 Where precautionary statements become obsolete, 'deleted' is inserted under the existing code in column 1 of the tables in this Section to avoid potential confusion between codes used in different editions of the GHS.

Table A3.2.3: Codification of response precautionary statements

| Code (1) | Response precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|-------------|--|---|------------------------|---------------------------|
| P301 | IF SWALLOWED: | Acute toxicity, oral (chapter 3.1) | 1, 2, 3, 4, 5 | |
| | | Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | |
| | | Aspiration hazard (chapter 3.10) | 1, 2 | |
| P302 | IF ON SKIN: | Pyrophoric liquids (chapter 2.9) | 1 | |
| | | Pyrophoric solids (chapter 2.10) | 1 | |
| | | Substances and mixtures which, in contact with water, emit flammable gases (chapter 2.12) | 1, 2 | |
| | | Acute toxicity, dermal (chapter 3.1) | 1, 2, 3, 4, 5 | |
| | | Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | |
| | | Skin irritation (chapter 3.2) | 2 | |
| | | Skin sensitization (chapter 3.4) | 1, 1A, 1B | |
| P303 | IF ON SKIN (or hair): | Flammable liquids (chapter 2.6) | 1, 2, 3 | |
| | | Skin corrosion (chapter 3.2) | 1A, 1B, 1C | |
| P304 | IF INHALED: | 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 | |
| P305 | IF IN EYES: | Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | |
| | | Serious eye damage (chapter 3.3) | 1 | |
| | | Eye irritation (chapter 3.3) | 2/2A, 2B | |
| P306 | IF ON CLOTHING: | Oxidizing liquids (chapter 2.13) | 1 | |
| | | Oxidizing solids (chapter 2.14) | 1 | |

| Code (1) | Response precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|-----------------|---|---|------------------------|--|
| P308 | IF exposed or concerned: | Germ cell mutagenicity (chapter 3.5) | 1A, 1B, 2 | |
| | | Carcinogenicity (chapter 3.6) | 1A, 1B, 2 | |
| | | Reproductive toxicity (chapter 3.7) | 1A, 1B, 2 | |
| | | Reproductive toxicity, effects on or via lactation (chapter 3.7) | Additional category | |
| | | Specific target organ toxicity, single exposure (chapter 3.8) | 1, 2 | |
| P310 deleted | Immediately call a POISON CENTER/doctor/... | Acute toxicity, oral (chapter 3.1) | 1, 2, 3 | ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. |
| | | Acute toxicity, dermal (chapter 3.1) | 1, 2 | |
| | | Acute toxicity, inhalation (chapter 3.1) | 1, 2 | |
| | | Skin corrosion (chapter 3.2) | 1A, 1B, 1C | |
| | | Serious eye damage (chapter 3.3) | 1 | |
| | | Aspiration hazard (chapter 3.10) | 1, 2 | |
| P311 deleted | Call a POISON CENTER/doctor/... | Acute toxicity, inhalation (chapter 3.1) | 3 | ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. |
| | | Respiratory sensitization (chapter 3.4) | 1, 1A, 1B | |
| | | Specific target organ toxicity, single exposure (chapter 3.8) | 1, 2 | |
| P312 deleted | Call a POISON CENTER/doctor/...if you feel unwell. | Acute toxicity, oral (chapter 3.1) | 4, 5 | ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. |
| | | Acute toxicity, dermal (chapter 3.1) | 3, 4, 5 | |
| | | Acute toxicity, inhalation (chapter 3.1) | 4, 5 | |
| | | 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 | |

| Code (1) | Response precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|-----------------|---|--|----------------------------|--|
| P313 deleted | Get medical advice/attention. | Skin irritation (chapter 3.2) | 2, 3 | Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. |
| | | Eye irritation (chapter 3.3) | 2A, 2B | |
| | | Skin sensitization (chapter 3.4) | 1, 1A, 1B | |
| | | Germ cell mutagenicity (chapter 3.5) | 1A, 1B, 2 | |
| | | Carcinogenicity (chapter 3.6) | 1A, 1B, 2 | |
| | | Reproductive toxicity (chapter 3.7) | 1A, 1B, 2 | |
| | | Reproductive toxicity, effects on or via lactation (chapter 3.7) | Additional category | |
| P314 deleted | Get medical advice/attention if you feel unwell. | Specific target organ toxicity, repeated exposure (chapter 3.9) | 1, 2 | Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. |
| P315 deleted | Get immediate medical advice/attention. | Gases under pressure (chapter 2.5) | Refrigerated liquefied gas | Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. |
| P316 | Get emergency medical help immediately. | Acute toxicity, oral (chapter 3.1) | 1, 2, 3 | 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. |
| | | Acute toxicity, dermal (chapter 3.1) | 1, 2, 3 | |
| | | Acute toxicity, inhalation (chapter 3.1) | 1, 2, 3 | |
| | | Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | |
| | | Respiratory sensitization (chapter 3.4) | 1, 1A, 1B | |
| | | Specific target organ toxicity, single exposure; (chapter 3.8) | 1, 2 | |
| | | Aspiration hazard (chapter 3.10) | 1, 2 | |
| P317 | Get medical help. | Gases under pressure (chapter 2.5) | Refrigerated liquefied gas | |
| | | Acute toxicity, oral (chapter 3.1) | 4, 5 | |
| | | Acute toxicity, dermal (chapter 3.1) | 4, 5 | |
| | | Acute toxicity, inhalation (chapter 3.1) | 4, 5 | |
| | | Skin irritation (chapter 3.2) | 2, 3 | |
| | | Serious eye damage (chapter 3.3) | 1 | |
| | | Eye irritation (chapter 3.3) | 2/2A, 2B | |
| | | Skin sensitization (chapter 3.4) | 1, 1A, 1B | |
| P318 | If exposed or concerned, get medical advice. | Germ cell mutagenicity (chapter 3.5) | 1, 1A, 1B, 2 | |

| Code (1) | Response precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|-------------|---|---|------------------------|---------------------------|
| | | Carcinogenicity (chapter 3.6) | 1, 1A, 1B, 2 | |
| | | Reproductive toxicity (chapter 3.7) | 1, 1A, 1B, 2 | |
| | | Reproductive toxicity, effects on or via lactation (chapter 3.7) | Additional category | |
| P319 | Get medical help if you feel unwell. | 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 | |

| | | | | |
|---------------------------|---|------------------------------------|----------------------------|---|
| P336 | Immediately thaw Thaw frosted parts with lukewarm water. Do not rub affected area. | Gases under pressure (chapter 2.5) | Refrigerated liquefied gas | |
| P351 | Rinse cautiously with water for several minutes. | Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | |
| | | Serious eye damage (chapter 3.3) | + | |
| | | Eye irritation (chapter 3.3) | 2/2A, 2B | |
| P353 | Rinse affected areas skin with water [or shower]. | Flammable liquids (chapter 2.6) | 1, 2, 3 | <i>– text in square brackets to be included where the manufacturer/supplier or the competent authority considers it appropriate for the specific chemical.</i> |
| | | Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | |
| P354 | Immediately rinse with water for several minutes. | Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | |
| | | Serious eye damage (chapter 3.3) | 1 | |
| P301 + P310 P316 | IF SWALLOWED: Immediately call a POISON CENTER/doctor/... Get emergency medical help immediately. | Acute toxicity, oral (chapter 3.1) | 1, 2, 3 | 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. |
| | | Aspiration hazard (chapter 3.10) | 1, 2 | |
| P301 + P312 P317 | IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell. Get medical help. | Acute toxicity, oral (chapter 3.1) | 4, 5 | ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. |

| Code (1) | Response precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|---------------------------|---|--|----------------------------|--|
| P304 + P312 P317 | IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell. Get medical help. | Acute toxicity, inhalation (chapter 3.1) | 5 | ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. |
| P308 + P311 P316 | IF exposed or concerned: Call a POISON CENTER/doctor/... Get emergency medical help immediately. | Specific target organ toxicity, single exposure; (chapter 3.8) | 1, 2 | ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. 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. |
| P308 + P313 | IF exposed or concerned: Get medical advice/attention. | Germ cell mutagenicity (chapter 3.5) | 1A, 1B, 2 | Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. |
| | | Carcinogenicity (chapter 3.6) | 1A, 1B, 2 | |
| | | Reproductive toxicity (chapter 3.7) | 1A, 1B, 2 | |
| | | Reproductive toxicity, effects on or via lactation (chapter 3.7) | Additional category | |
| P332 + P313 P317 | IF skin irritation occurs: Get medical advice/attention. Get medical help. | Skin irritation (chapter 3.2) | 2, 3 | – may be omitted when P333+P313P317 is given on the label. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. |
| P333 + P313 P317 | IF skin irritation or rash occurs: Get medical advice/attention. Get medical help. | Skin sensitization (chapter 3.4) | 1, 1A, 1B | Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. |
| P336 + P315 P317 | Immediately thaw Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention. Get medical help. | Gases under pressure (chapter 2.5) | Refrigerated liquefied gas | Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. |

| Code (1) | Response precautionary statements (2) | Hazard class (3) | Hazard category (4) | Conditions for use (5) |
|--------------------------------|--|---|------------------------|--|
| P337 + P313 P317 | If eye irritation persists: Get medical advice/attention. Get medical help. | Eye irritation (chapter 3.3) | 2/2A, 2B | Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. |
| P342 + P311 P316 | If experiencing respiratory symptoms: Call a POISON CENTER/doctor/... Get emergency medical help immediately. | Respiratory sensitization (chapter 3.4) | 1, 1A, 1B | Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. 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. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas skin with water [or shower]. | Flammable liquids (chapter 2.6) | 1, 2, 3 | <i>– text in square brackets to be included where the manufacturer/supplier or the competent authority considers it appropriate for the specific chemical.</i> |
| | | Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | |
| 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 (chapter 3.2) | 1, 1A, 1B, 1C | |
| | | Serious eye damage (chapter 3.3) | + | |
| | | Eye irritation (chapter 3.3) | 2/2A, 2B | |
| P305 + P354 + P338 | IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. | Skin corrosion (chapter 3.2) | 1, 1A, 1B, 1C | |
| | | Serious eye damage (chapter 3.3) | 1 | |

Annex 3

Section 3

Use of Precautionary Statements

A3.3.2.4 *Application of precautionary statements concerning medical response*

For clarity, in this section the text that is proposed to be deleted from GHS Rev. 7 has been omitted. New text is shown in red.

A3.3.2.4.1 Where a substance or mixture is classified for a number of health hazards, this may trigger multiple precautionary statements relating to medical response. **In general, the following principles should be applied:**

- (a) Always combine medical response statements with at least one route of exposure or symptom (“IF” statement). However, this does not apply to P319 **“Get medical help if you feel unwell”** for specific target organ toxicity repeated exposure, or to P316 **“Get medical help”** for gases under pressure (refrigerated liquefied gas) which are not combined with a separate “IF” statement. Relevant “IF” statements describing symptoms (e.g. P332, P333, P337, P342) should be included in full.
- (b) Where the same medical response statement is triggered for different routes of exposure, then the exposure routes should be combined. If the same response statement is triggered with three or more routes of exposure then P308, **“IF exposed or concerned:”**, may be used instead. If a route of exposure is triggered multiple times it should only be included once.
- (c) Where different medical response statements are triggered for the same route of exposure, then P316 **“Get emergency medical help immediately”** should have priority over P317 **“Get medical help”**; and P317 should have priority over P319 **“Get medical help if you feel unwell”**. P318, **“If exposed or concerned get medical advice”**, should always appear if triggered. To improve clarity and readability when more than one medical statement appears, supplemental text such as ‘additionally’ or ‘also’ should be inserted.
- (d) Where different medical response statements are triggered for different routes of exposure, all the relevant precautionary statements for medical response should appear.

For example:

1. Where P301 and P304 **“IF SWALLOWED:”**, **“IF INHALED:”** and P302 **“IF ON SKIN:”** (for acute toxicity oral 2, inhalation 1 and skin corrosion respectively) are triggered with P316 **“Get emergency medical help immediately”**, then P301 + P304 + P302 + P316, **“IF SWALLOWED, INHALED OR ON SKIN: Get emergency medical help immediately”** should appear. Alternatively, **“IF SWALLOWED, INHALED OR ON SKIN:”** may be replaced by P308, **“IF exposed or concerned:”**.
2. Where P301 **“IF SWALLOWED:”** (for both aspiration hazard and for acute toxicity oral 4) is triggered with P316 **“Get emergency medical help immediately”** and P317 **“Get medical help”** respectively, then P301 + P316 **“IF SWALLOWED: Get emergency medical help immediately”** should appear. Where the classification also includes germ cell mutagenicity, carcinogenicity or reproductive toxicity triggering P318 **“If exposed or concerned, get medical advice”**, then **“IF SWALLOWED: Get emergency medical help immediately. Additionally, if exposed or concerned, get medical advice”** should appear.


3. Where P304, P301, P302 and P333 **“IF INHALED:”**, **“IF SWALLOWED:”** **“IF ON SKIN:”** and **“If skin irritation or rash occurs:”** (for acute toxicity inhalation 2, acute toxicity oral 4 and skin sensitisation respectively) are triggered with P316 **“Get emergency medical help immediately”**, and P317 **“Get medical help”**, then **“IF INHALED: Get emergency medical help immediately”** and **“IF SWALLOWED or if skin irritation or rash occurs: Get medical help”** should appear.
4. Where P302 and P305 **“IF ON SKIN:”** and **“IF IN EYES:”** (for acute toxicity dermal 2 and eye irritation respectively) are triggered with P316 **“Get emergency medical help immediately”**, P317 **“Get medical help”** and P319 **“Get medical help if you feel unwell”** (for specific target organ toxicity repeated exposure), then P302 + P316 **“IF ON SKIN: Get emergency medical help immediately”**, P337 + P317 **“If eye irritation persists: Get medical help”** and P319 **“Get medical help if you feel unwell”** should all appear.

A3.3.2.4.2 Precautionary statements setting out other relevant responses such as P330 to P336, P338, P340, P351 to P354 and P360 to P364 should also appear in full on the label as appropriate.

A3.3.4 Matrix of precautionary statements by hazard class/category

GASES UNDER PRESSURE


(Chapter 2.5)

| | | | | |
|----------------------------|---------------|---|--------------------|---|
| Hazard category | Symbol |  | Signal word | Hazard statement |
| Refrigerated liquefied gas | Gas cylinder | | Warning | H281 Contains refrigerated gas; may cause cryogenic burns or injury |

| Precautionary statements | | | |
|---|---|---|----------|
| Prevention | Response | Storage | Disposal |
| P282 Wear cold insulating gloves and either face shield or eye protection. | P336 + P315 P317 Immediately thaw Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention. Get medical help. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. | P403 Store in a well-ventilated place. | |

FLAMMABLE LIQUIDS

(Chapter 2.6)

| Hazard category | Symbol | Signal word | Hazard statement |
|-----------------|---|-------------|--|
| 1 | Flame  | Danger | H224 Extremely flammable liquid and vapour |
| 2 | Flame | Danger | H225 Highly flammable liquid and vapour |
| 3 | Flame | Warning | H226 Flammable liquid and vapour |

| Precautionary statements | | | |
|---|---|---|--|
| Prevention | Response | Storage | Disposal |
| <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed. – if the liquid is volatile and may generate an explosive atmosphere.</p> <p>P240 Ground and bond container and receiving equipment. – if the liquid is volatile and may generate an explosive atmosphere.</p> <p>P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment. – if the liquid is volatile and may generate an explosive atmosphere. – text in square brackets may be used to specify specific electrical, ventilating, lighting or other equipment if necessary and as appropriate. – precautionary statement may be omitted where local or national legislation introduces more specific provisions.</p> <p>P242 Use non-sparking tools. – if the liquid is volatile and may generate an explosive atmosphere and if the minimum ignition energy is very low. (This applies to substances and mixtures where the minimum ignition energy is <0.1mJ, e.g. carbon disulphide).</p> <p>P243 Take action to prevent static discharges. – if the liquid is volatile and may generate an explosive atmosphere. – may be omitted where local or national legislation introduces more specific provisions.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/... Manufacturer/supplier or the competent authority to specify the appropriate personal protective equipment.</p> | <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower]. – text in square brackets to be included where the manufacturer/supplier or the competent authority considers it appropriate for the specific chemical.</p> <p>P370 + P378 In case of fire: Use ... to extinguish. – if water increases risk. ... Manufacturer/supplier or the competent authority to specify appropriate media.</p> | <p>P403 + P235 Store in a well-ventilated place. Keep cool. – for flammable liquids Category 1 and other flammable liquids that are volatile and may generate an explosive atmosphere.</p> | <p>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.</p> |

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 |
| <p>P264 Wash ...thoroughly after handling. ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> | <p>P301 + P310 P316 IF SWALLOWED: Immediately call a POISON CENTER/doctor/... 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. ... Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P321 Specific treatment (see ... on this label) – if immediate administration of antidote is required. ... Reference to supplemental first aid instruction.</p> <p>P330 Rinse mouth.</p> | <p>P405 Store locked up.</p> | <p>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.</p> |

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 ... thoroughly after handling. ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using this product. | P301 + P312 P317 IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell. Get medical help. ... Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. | | 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 |
|------------------------|------------------|--------------------|----------------------------------|
| 5 | <i>No symbol</i> | Warning | H303 May be harmful if swallowed |

| Precautionary statements | | | |
|---------------------------------|---|----------------|-----------------|
| Prevention | Response | Storage | Disposal |
| | P301+ P312 P317 IF SWALLOWED: Call a POISON CENTER/doctor/...if you feel unwell. Get medical help. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. | | |

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 |

| Precautionary statements | | | |
|--|---|---|--|
| Prevention | Response | Storage | Disposal |
| <p>P262 Do not get in eyes, on skin, or on clothing.</p> <p>P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/protective clothing. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p> | <p>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.</p> <p>P310 Immediately call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>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.</p> <p>P321 Specific treatment (see ... on this label) – if immediate measures such as specific cleansing agent is advised. ... Reference to supplemental first aid instruction.</p> <p>P361+ P364 Take off immediately all contaminated clothing and wash it before reuse.</p> | <p>P405 Store locked up.</p> | <p>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.</p> |

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 |
| <p>P280 Wear protective gloves/protective clothing. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p> | <p>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.</p> <p>P312 Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>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.</p> <p>P321 Specific treatment (see ... on this label) – if immediate measures such as specific cleansing agent is advised. ... Reference to supplemental first aid instruction.</p> <p>P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.</p> | <p>P405 Store locked up.</p> | <p>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.</p> |

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 |
| <p>P280 Wear protective gloves/protective clothing Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p> | <p>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.</p> <p>P312 Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P317 Get medical help.</p> <p>P321 Specific treatment (see ... on this label) – if immediate measures such as specific cleansing agent is advised. ... Reference to supplemental first aid instruction.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p> | | <p>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.</p> |

ACUTE TOXICITY – DERMAL

(CHAPTER 3.1)

| Hazard category | Symbol | Signal word | Hazard statement |
|-----------------|------------------|-------------|--|
| 5 | <i>No symbol</i> | Warning | H313 May be harmful in contact with skin |

| Precautionary statements | | | |
|--------------------------|---|---------|----------|
| Prevention | Response | Storage | Disposal |
| | <p>P302 + P312 P317 IF ON SKIN: Call a POISON CENTER/doctor/...if you feel unwell. Get medical help. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> | | |

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 |



| Precautionary statements | | | |
|--|--|--|--|
| Prevention | Response | Storage | Disposal |
| <p>P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P284 [In case of inadequate ventilation] wear respiratory protection. – <i>text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use.</i> Manufacturer/supplier or the competent authority to specify equipment.</p> | <p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>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.</p> <p>P320 Specific treatment is urgent (see ... on this label) – <i>if immediate administration of antidote is required.</i> ... Reference to supplemental first aid instruction.</p> | <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed. – <i>if the chemical is volatile and may generate a hazardous atmosphere.</i></p> <p>P405 Store locked up.</p> | <p>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.</p> |

ACUTE TOXICITY – INHALATION

(CHAPTER 3.1)

| Hazard category | Symbol | Signal word | Hazard statement |
|-----------------|----------------------|-------------|-----------------------|
| 3 | Skull and crossbones | Danger | H311 Toxic if inhaled |



| Precautionary statements | | | |
|--|--|--|---|
| Prevention | Response | Storage | Disposal |
| <p>P261 Avoid breathing dust/fume/gas/mist/ vapours/spray. <i>– may be omitted if P260 is given on the label</i></p> <p>Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> | <p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P311 Call a POISON CENTER/doctor... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>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.</p> <p>P321 Specific treatment (see ... on this label) <i>– if immediate specific measures are required.</i> ... Reference to supplemental first aid instruction.</p> | <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed. <i>– if the chemical is volatile and may generate a hazardous atmosphere.</i></p> <p>P405 Store locked up.</p> | <p>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.</p> |

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. <i>– may be omitted if P260 is given on the label</i> Manufacturer/supplier or the competent authority to specify applicable conditions. P271 Use only outdoors or in a well-ventilated area. | P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P317 Get medical help. | | |


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 |
| | P304 + P312 P317 IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. Get medical help. | | |

SKIN CORROSION/IRRITATION
(CHAPTER 3.2)

| | | | | |
|------------------------|---------------|--|--------------------|--|
| Hazard category | Symbol |  | Signal word | Hazard statement |
| 1, 1A to 1C | Corrosion | | Danger | H314 Causes severe skin burns and eye damage |

| Precautionary statements | | | |
|--|--|---|--|
| Prevention | Response | Storage | Disposal |
| <p>P260 Do not breathe dusts or mists. – if inhalable particles of dusts or mists may occur during use.</p> <p>P264 Wash ...thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p> | <p>P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P302 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas skin with water [or shower]. – text in square brackets to be included where the manufacturer/supplier or the competent authority considers it appropriate for the specific chemical.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>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.</p> <p>P321 Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.</p> <p>P305 + P354 P354 + P338 IF IN EYES: Immediately rinse. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> | <p>P405 Store locked up.</p> | <p>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.</p> |

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 |
| <p>P264 Wash ... thoroughly after handling. ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P280 Wear protective gloves. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p> | <p>P302 + P352 IF ON SKIN: Wash with plenty 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.</p> <p>P321 Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.</p> <p>P332 + P313P317 If skin irritation occurs: Get medical advice/attention. Get medical help. – may be omitted when P333 + P317P313 appears on the label Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p> | | |

SKIN CORROSION/IRRITATION

(CHAPTER 3.2)

| Hazard category | Symbol | Signal word | Hazard statement |
|-----------------|------------------|-------------|----------------------------------|
| 3 | <i>No symbol</i> | Warning | H316 Causes mild skin irritation |

| Precautionary statements | | | |
|--------------------------|--|---------|----------|
| Prevention | Response | Storage | Disposal |
| | <p>P332 + P313 P317 If skin irritation occurs: Get medical advice/attention. Get medical help. <i>– may be omitted when P333 + P317 P313 appears on the label.</i> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.</p> | | |

EYE DAMAGE/IRRITATION

(CHAPTER 3.3)

| Hazard category | Symbol | | Signal word | Hazard statement |
|-----------------|-----------|--|-------------|--------------------------------|
| 1 | Corrosion |  | Danger | H318 Causes serious eye damage |

| Precautionary statements | | | |
|---|---|---------|----------|
| Prevention | Response | Storage | Disposal |
| <p>P280 Wear eye protection/face protection. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p> | <p>P305 + P351P354 + P338 IF IN EYES: Immediately rinse Rinse cautiously Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P317 Get medical help.</p> | | |

EYE DAMAGE/IRRITATION

(CHAPTER 3.3)

| | | | |
|------------------------|--|--------------------|------------------------------------|
| Hazard category | Symbol | Signal word | Hazard statement |
| 2/2A | Exclamation mark  | Warning | H319 Causes serious eye irritation |

| Precautionary statements | | | |
|--|--|---------|----------|
| Prevention | Response | Storage | Disposal |
| <p>P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P280 Wear eye protection/face protection. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p> | <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337 + P313 P317 If eye irritation persists: Get medical advice/attention. Get medical help. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.</p> | | |

EYE DAMAGE/IRRITATION


(CHAPTER 3.3)

| Hazard category | Symbol | Signal word | Hazard statement |
|------------------------|------------------|--------------------|----------------------------|
| 2B | <i>No symbol</i> | Warning | H320 Causes eye irritation |

| Precautionary statements | | | |
|---|--|----------------|-----------------|
| Prevention | Response | Storage | Disposal |
| P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. | P305 + P351 + P338 IF IN EYES: Rinse cautiously-with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 P317 If eye irritation persists: Get medical advice/attention. Get medical help. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. | | |

SENSITIZATION – RESPIRATORY


(CHAPTER 3.4)

| Hazard category | Symbol | Signal word | Hazard statement |
|-----------------|---------------|---|--|
| 1, 1A, 1B | Health hazard |  | Danger |
| | | | H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled |

| Precautionary statements | | | |
|--|---|---------|--|
| Prevention | Response | Storage | Disposal |
| <p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. – <i>may be omitted if P260 is given on the label</i> Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P284 [In case of inadequate ventilation] wear respiratory protection. – <i>text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use.</i> Manufacturer/supplier or the competent authority to specify equipment.</p> | <p>P304 + P340 IF INHALED: remove person to fresh air and keep comfortable for breathing.</p> <p>P342 + P311 P316 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. 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.</p> | | <p>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.</p> |

SENSITIZATION – SKIN

(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 |
| <p>P261 Avoid breathing dust/fume/gas/mist/ vapours/spray. – <i>may be omitted if P260 is given on the label</i> Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 Wear protective gloves. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p> | <p>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.</p> <p>P333 + P313 P317 If skin irritation or rash occurs: Get medical advice/attention. Get medical help. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.</p> <p>P321 Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p> | | <p>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.</p> |

GERM CELL MUTAGENICITY

(CHAPTER 3.5)


| Hazard category | Symbol | Signal word | Hazard statement |
|-----------------|---------------|-------------|---|
| 1, 1A, 1B | Health hazard | Danger | H340 May cause genetic defects <...> |
| 2 | Health hazard | Warning | H341 Suspected of causing genetic defects <...> <...> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard) |



| Precautionary statements | | | |
|--|--|---|--|
| Prevention | Response | Storage | Disposal |
| <p>P201 Obtain special instructions before use. <i>- omit for consumer products where P202 is used.</i></p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/... Manufacturer/supplier or the competent authority to specify the appropriate personal protective equipment.</p> | <p>P308 + P313 P318 If exposed or concerned: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. If exposed or concerned, get medical advice.</p> | <p>P405 Store locked up.</p> | <p>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.</p> |

CARCINOGENICITY

(CHAPTER 3.6)

| Hazard category | Symbol |  | Signal word | Hazard statement |
|------------------------|---------------|---|--------------------|--|
| 1, 1A, 1B | Health hazard | | Danger | H350 May cause cancer <...> |
| 2 | Health hazard | | Warning | H351 Suspected of causing cancer <...> <...> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard) |

| Precautionary statements | | | |
|--|---|---------------------------------|--|
| Prevention | Response | Storage | Disposal |
| P201 Obtain special instructions before use. <i>- omit for consumer products where P202 is used.</i> P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/... Manufacturer/supplier or the competent authority to specify the appropriate personal protective equipment. | P308 + P313 P318 If exposed or concerned: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. If exposed or concerned, get medical advice. | 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. |

REPRODUCTIVE TOXICITY

(CHAPTER 3.7)

| Hazard category | Symbol | Signal word | Hazard statement |
|-----------------|---------------|-------------|--|
| 1, 1A, 1B | Health hazard | Danger | H360 May damage fertility or the unborn child <...> <<...>> |
| 2 | Health hazard | Warning | H361 Suspected of damaging fertility or the unborn child <...> <<...>> <...> (state specific effect 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 |
| <p>P201 Obtain special instructions before use. - omit for consumer products where P202 is used.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/... Manufacturer/supplier or the competent authority to specify the appropriate personal protective equipment.</p> | <p>P308 + P313 P318 If exposed or concerned, Get medical advice/attention Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. If exposed or concerned, get medical advice.</p> | <p>P405 Store locked up.</p> | <p>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.</p> |

REPRODUCTIVE TOXICITY


(CHAPTER 3.7)

(effects on or via lactation)

| Hazard category <i>(additional)</i> | Symbol <i>No symbol</i> | Signal word <i>No signal word</i> | Hazard statement H362 May cause harm to breast-fed children |
|---|-----------------------------------|---|---|
|---|-----------------------------------|---|---|

| Precautionary statements | | | |
|---|--|----------------|-----------------|
| Prevention | Response | Storage | Disposal |
| P201 Obtain special instructions before use. <i>- omit for consumer products where P202 is used.</i> P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dusts or mists. <i>- if inhalable particles of dusts or mists may occur during use.</i> P263 Avoid contact during pregnancy and while nursing. P264 Wash ... thoroughly after handling. <i>...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</i> P270 Do not eat, drink or smoke when using this product. | P308 + P313 P318 If exposed or concerned: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. If exposed or concerned, get medical advice. | | |

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 |
| <p>P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P264 Wash ...thoroughly after handling. ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> | <p>P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/... Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>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.</p> <p>P321 Specific treatment (see ... on this label) – if immediate measures are required. ... Reference to supplemental first aid instruction.</p> | <p>P405 Store locked up.</p> | <p>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.</p> |

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 |
| <p>P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> | <p>P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/... Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>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.</p> | <p>P405 Store locked up.</p> | <p>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.</p> |

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; or H336 May cause drowsiness or dizziness |

| Precautionary statements | | | |
|---|--|--|--|
| Prevention | Response | Storage | Disposal |
| <p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. – <i>may be omitted if P260 is given on the label.</i> Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> | <p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P319 Get medical help if you feel unwell.</p> | <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed. – <i>if the chemical is volatile and may generate a hazardous atmosphere.</i></p> <p>P405 Store locked up.</p> | <p>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.</p> |


SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

(CHAPTER 3.9)

| Hazard category | Symbol | Signal word | Hazard statement |
|------------------------|---------------|---|---|
| 1 | Health hazard |  | <p>Danger</p> <p>H372 Causes damage to organs <...> through prolonged or repeated exposure <<...>></p> <p><...> (state all organs affected, if known)</p> <p><<...>> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</p> |


| Precautionary statements | | | |
|--|---|----------------|--|
| Prevention | Response | Storage | Disposal |
| <p>P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> | <p>P314 Get medical advice/attention if you feel unwell. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.</p> <p>P319 Get medical help if you feel unwell.</p> | | <p>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.</p> |

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 <<...>> <...> <i>(state all organs affected, if known)</i> < <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i> |

| 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 conditions. | P314 Get medical advice/attention if you feel unwell. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. 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. |

**ASPIRATION HAZARD
(CHAPTER 3.10)**

| Hazard category | Symbol | Signal word | Hazard statement |
|-----------------|---------------|---|------------------|
| 1 | Health hazard |  | Danger |
| 2 | Health hazard | | Warning |

H30 4 May be fatal if swallowed and enters airways
H30 5 May be harmful if swallowed and enters airways

| Precautionary statements | | | |
|--------------------------|--|--|---|
| Prevention | Response | Storage | Disposal |
| | <p>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/... Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P301 + 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.</p> <p>P331 Do NOT induce vomiting.</p> | <p>P405 Store locked up.</p> | <p>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.</p> |