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- **Part Number:** 1910
- **Part Title:** Occupational Safety and Health Standards
- **Subpart:** Z
- **Subpart Title:** Toxic and Hazardous Substances
- **Standard Number:** 1910.1200 App C
- **Title:** Allocation Of Label Elements (Mandatory)

APPENDIX C TO §1910.1200—ALLOCATION OF LABEL ELEMENTS (MANDATORY)

C.1 The label for each hazardous chemical shall include the product identifier used on the safety data sheet.

C.1.1 The labels on shipped containers shall also include the name, address, and telephone number of the chemical manufacturer, importer, or responsible party.

C.2 The label for each hazardous chemical that is classified shall include the signal word, hazard statement(s), pictogram(s), and precautionary statement(s) specified in C.4 for each hazard class and associated hazard category, except as provided for in C.2.1 through C.2.4.

C.2.1 Precedence of hazard information

C.2.1.1 If the signal word "Danger" is included, the signal word "Warning" shall not appear;

C.2.1.2 If the skull and crossbones pictogram is included, the exclamation mark pictogram shall not appear where it is used for acute toxicity;

C.2.1.3 If the corrosive pictogram is included, the exclamation mark pictogram shall not appear where it is used for skin or eye irritation;

C.2.1.4 If the health hazard pictogram is included for respiratory sensitization, the exclamation mark pictogram shall not appear where it is used for skin sensitization or for skin or eye irritation.

C.2.2 Hazard statement text

C.2.2.1 The text of all applicable hazard statements shall appear on the label, except as otherwise specified. The information in italics shall be included as part of the hazard statement as provided. For example: "causes damage to organs (*state all organs affected*) through prolonged or repeated exposure (*state route of exposure if no other routes of exposure cause the hazard*)". Hazard statements may be combined where appropriate to reduce the information on the label and improve readability, as long as all of the hazards are conveyed as required.









C.2.2.2 If the chemical manufacturer, importer, or responsible party can demonstrate that all or part of the hazard statement is inappropriate to a specific substance or mixture, the corresponding statement may be omitted from the label.

C.2.3 Pictograms

C.2.3.1 Pictograms shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible. A square red frame set at a point without a hazard symbol is not a pictogram and is not permitted on the label.

C.2.3.2 One of eight standard hazard symbols shall be used in each pictogram. The eight hazard symbols are depicted in Figure C.1. A pictogram using the exclamation mark symbol is presented in Figure C.2, for the purpose of illustration.

Figure C.1 – Hazard Symbols and Classes

| | | | |
|--|---|--|--|
| <p>Flame</p>  <p>Flammables Self Reactives Pyrophorics Self-heating Emits Flammable Gas Organic Peroxides</p> | <p>Flame Over Circle</p>  <p>Oxidizers</p> | <p>Exclamation Mark</p>  <p>Irritant Dermal Sensitizer Acute Toxicity (harmful) Narcotic Effects Respiratory Tract Irritation</p> | <p>Exploding Bomb</p>  <p>Explosives Self Reactives Organic Peroxides</p> |
| <p>Corrosion</p>  <p>Corrosives</p> | <p>Gas Cylinder</p>  <p>Gases Under Pressure</p> | <p>Health Hazard</p>  <p>Carcinogen Respiratory Sensitizer Reproductive Toxicity Target Organ Toxicity Mutagenicity</p> | <p>Skull and Crossbones</p>  <p>Acute Toxicity (severe)</p> |

Aspiration Toxicity

Figure C.2 – Exclamation Mark Pictogram



C.2.3.3 Where a pictogram required by the Department of Transportation under Title 49 of the Code of Federal Regulations appears on a shipped container, the pictogram specified in C.4 for the same hazard shall not appear.

C.2.4 Precautionary statement text

C.2.4.1 There are four types of precautionary statements presented, "prevention," "response," "storage," and "disposal." The core part of the precautionary statement is presented in bold print. This is the text, except as otherwise specified, that shall appear on the label. Where additional information is required, it is indicated in plain text.

C.2.4.2 When a backslash or diagonal mark (/) appears in the precautionary statement text, it indicates that a choice has to be made between the separated phrases. In such cases, the chemical manufacturer, importer, or responsible party can choose the most appropriate phrase(s). For example, "Wear protective gloves/protective clothing/eye protection/face protection" could read "wear eye protection".

C.2.4.3 When three full stops (...) appear in the precautionary statement text, they indicate that all applicable conditions are not listed. For example, in "Use explosion-proof electrical/ventilating/lighting/.../equipment", the use of "..." indicates that other equipment may need to be specified. In such cases, the chemical manufacturer, importer, or responsible party can choose the other conditions to be specified.

C.2.4.4 When text in *italics* is used in a precautionary statement, this indicates specific conditions applying to the use or allocation of the precautionary statement. For example, "Use explosion-proof electrical/ventilating/lighting/.../equipment" is only required for flammable solids "if dust clouds can occur". Text in italics is intended to be an explanatory, conditional note and is not intended to appear on the label.

C.2.4.5 Where square brackets ([]) appear around text in a precautionary statement, this indicates that the text in square brackets is not appropriate in every case and should be used only in certain circumstances. In these cases, conditions for use explaining when the text should be used are provided. For example, one precautionary statement states: "[In case of inadequate ventilation] wear respiratory protection." This statement is given with the condition for use "– 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". This means that, if additional information is provided with the chemical explaining what type of ventilation would be adequate for safe use, the text in square brackets should be used and the statement would read: "In case of inadequate ventilation wear respiratory protection." However, if the chemical is supplied without such ventilation information, the text in square brackets should not be used, and the precautionary statement should read: "Wear respiratory protection."

C.2.4.6 Precautionary statements may be combined or consolidated to save label space and improve readability. For example, "Keep away from heat, sparks and open flame," "Store in a well-ventilated place" and "Keep cool" can be combined to read "Keep away from heat, sparks and open flame and store in a cool, well-ventilated place."

C.2.4.7 In most cases, the precautionary statements are independent (e.g., the phrases for explosive hazards do not modify those related to certain health hazards, and products that are classified for both hazard classes shall bear appropriate precautionary statements for both). Where a chemical is classified for a number of hazards, and the precautionary statements are similar, the most stringent shall be included on the label (this will be applicable mainly to preventive measures). An order of precedence may be imposed by the chemical manufacturer, importer or responsible party in situations where phrases concern "Response." Rapid action may be crucial. For example, if a chemical is carcinogenic and acutely toxic, rapid action may be crucial, and first aid measures for acute toxicity will take precedence over those for long-term effects. In addition, medical attention to delayed health effects may be required in cases of incidental exposure, even if not associated with immediate symptoms of intoxication.

C.2.4.8 If the chemical manufacturer, importer, or responsible party can demonstrate that a precautionary statement is inappropriate to a specific substance or mixture, the precautionary statement may be omitted from the label.

C.3 Supplementary hazard information

C.3.1 To ensure that non-standardized information does not lead to unnecessarily wide variation or undermine the required information, supplementary information on the label is limited to when it provides further detail and does not contradict or cast doubt on the validity of the standardized hazard information.

C.3.2 Where the chemical manufacturer, importer, or distributor chooses to add supplementary information on the label, the placement of supplemental information shall not impede identification of information required by this section.

C.3.3 Where an ingredient with unknown acute toxicity is used in a mixture at a concentration $\geq 1\%$, and the mixture is not classified based on testing of the mixture as a whole, a statement that X% of the mixture consists of ingredient(s) of unknown acute toxicity is required on the label.

C.4 REQUIREMENTS FOR SIGNAL WORDS, HAZARD STATEMENTS, PICTOGRAMS, AND PRECAUTIONARY STATEMENTS**C.4.1 ACUTE TOXICITY – ORAL**
(Classified in Accordance with Appendix A.1)

Pictogram
Skull and crossbones



| Hazard category | Signal word | Hazard statement |
|-----------------|-------------|--------------------|
| 1 | Danger | Fatal if swallowed |
| 2 | Danger | Fatal if swallowed |



Precautionary statements



Prevention




Response



Storage

Disposal

| | | | |
|---|---|--------------------------------|--|
| <p>Wash ...thoroughly after handling. ... Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling.</p> <p>Do not eat, drink or smoke when using this product.</p> | <p>If swallowed: Immediately call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.</p> <p>Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. <i>- if immediate administration of antidote is required.</i></p> <p>Rinse mouth.</p> | <p>Store locked up.</p> | <p>Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified).</p> |
| <p>C.4.1 ACUTE TOXICITY – ORAL (CONTINUED) (Classified in Accordance with Appendix A.1)</p> | | | |
| Hazard category | Signal word | Hazard statement | <p>Pictogram Skull and crossbones</p>  |
| 3 | Danger | Toxic if swallowed | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| <p>Wash ... thoroughly after handling. ... Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling.</p> <p>Do not eat, drink or smoke when using this product.</p> | <p>If swallowed: Immediately call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.</p> <p>Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. <i>- if immediate administration of antidote is required.</i></p> <p>Rinse mouth.</p> | <p>Store locked up.</p> | <p>Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified).</p> |
| <p>C.4.1 ACUTE TOXICITY – ORAL (CONTINUED) (Classified in Accordance with Appendix A.1)</p> | | | |
| Hazard category | Signal word | Hazard statement | <p>Pictogram Exclamation mark</p>  |
| 4 | Warning | Harmful if swallowed | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| <p>Wash ... thoroughly after handling. ... Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling.</p> <p>Do not eat, drink or smoke when using this product.</p> | <p>If swallowed: Call a poison center/doctor/.../ if you feel unwell. ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.</p> <p>Rinse mouth.</p> | <p>Store locked up.</p> | <p>Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified).</p> |
| <p>C.4.2 ACUTE TOXICITY - DERMAL (Classified in Accordance with Appendix A.1)</p> | | | |
| | | | <p>Pictogram Skull and crossbones</p> |

| Hazard category | Signal word | Hazard statement | |
|--|--|----------------------------|--|
| 1 | Danger | Fatal in contact with skin |  |
| 2 | Danger | Fatal in contact with skin | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Do not get in eyes, on skin, or on clothing. Wash ... thoroughly after handling. ... Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing. Chemical manufacturer, importer, or distributor to specify type of equipment. If on skin: | Wash with plenty of water/... ... Chemical manufacturer, importer, or distributor may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. Immediately call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice. Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. <i>- if immediate measures such as specific cleansing agent is advised.</i> Take off immediately all contaminated clothing and wash it before reuse. | Store locked up. | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |
| C.4.2 ACUTE TOXICITY - DERMAL (CONTINUED) (Classified in Accordance with Appendix A.1) | | | |
| Hazard category | Signal word | Hazard statement | Pictogram Skull and crossbones |
| 3 | Danger | Toxic in contact with skin |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Wear protective gloves/protective clothing. Chemical manufacturer, importer, or distributor to specify type of equipment. | If on skin: Wash with plenty of water/... ... Chemical manufacturer, importer, or distributor may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. Call a poison center/doctor/.../if you feel unwell. ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice. Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. <i>- if measures such as specific cleansing agent is advised.</i> Take off immediately all contaminated clothing and wash it before reuse. | Store locked up. | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |
| C.4.2 ACUTE TOXICITY – DERMAL (CONTINUED) (Classified in Accordance with Appendix A.1) | | | |
| | | | Pictogram Exclamation mark |

| Hazard category | Signal word | Hazard statement | |
|--|--|--|--|
| 4 | Warning | Harmful in contact with skin |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Wear protective gloves/protective clothing Chemical manufacturer, importer, or distributor to specify type of equipment. | If on skin: Wash with plenty of water/... ... Chemical manufacturer, importer, or distributor may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate. Call a poison center/doctor/.../if you feel unwell. ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice. Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. <i>- if measures such as specific cleansing agent is advised.</i> Take off contaminated clothing and wash it before reuse. | | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |
| C.4.3 ACUTE TOXICITY - INHALATION (Classified in Accordance with Appendix A.1) | | | |
| Hazard category | Signal word | Hazard statement | Pictogram Skull and crossbones |
| 1 | Danger | Fatal if inhaled |  |
| 2 | Danger | Fatal if inhaled | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Do not breathe dust/fume /gas/mist/ vapors/spray. Chemical manufacturer, importer, or distributor to specify applicable conditions. Use only outdoors or in a well-ventilated area. [In case of inadequate ventilation] wear respiratory protection. Chemical manufacturer, importer, or distributor to specify equipment. <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> | If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice. Specific treatment is urgent (see ... on this label) ... Reference to supplemental first aid instruction. <i>- if immediate administration of antidote is required.</i> | Store in a well-ventilated place. Keep container tightly closed. <i>- if product is volatile as to generate hazardous atmosphere.</i> Store locked up. | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |
| C.4.3 ACUTE TOXICITY – INHALATION (CONTINUED) (Classified in Accordance with Appendix A.1) | | | |
| Hazard category | Signal word | Hazard statement | Pictogram Skull and crossbones |
| 3 | Danger | Toxic if inhaled |  |

| Precautionary statements | | | | |
|---|--|---|--|---|
| Prevention | Response | Storage | Disposal | |
| <p>Avoid breathing dust/fume /gas/mist/ vapors/spray. Chemical manufacturer, importer, or distributor to specify applicable conditions.</p> <p>Use only outdoors or in a well-ventilated area.</p> | <p>If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>Call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.</p> <p>Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. <i>- if immediate specific measures are required.</i></p> | <p>Store in a well-ventilated place. Keep container tightly closed. <i>- if product is volatile so as to generate hazardous atmosphere.</i></p> <p>Store locked up.</p> | <p>Dispose of content/container to... ... in accordance with local/regional /national/international regulations (to be specified).</p> | |
| C.4.3 ACUTE TOXICITY – INHALATION (CONTINUED) (Classified in Accordance with Appendix A.1) | | | | |
| Hazard category | Signal word | Hazard statement | | Pictogram Exclamation mark |
| 4 | Warning | Harmful if inhaled | |  |
| Precautionary statements | | | | |
| Prevention | Response | Storage | Disposal | |
| <p>Avoid breathing dust/fume /gas/mist/ vapors/spray. Chemical manufacturer, importer, or distributor to specify applicable conditions.</p> <p>Use only outdoors or in a well-ventilated area.</p> | <p>If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>Call a poison center/doctor/.../if you feel unwell. ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.</p> | | | |
| C.4.4 SKIN CORROSION/IRRITATION (Classified in Accordance with Appendix A.2) | | | | |
| Hazard category | Signal word | Hazard statement | | Pictogram Corrosion |
| 1A to 1C | Danger | Causes severe skin burns and eye damage | |  |
| Precautionary statements | | | | |
| Prevention | Response | Storage | Disposal | |
| <p>Do not breathe dusts or mists. <i>- if inhalable particles of dusts or mists may occur during use.</i></p> <p>Wash ...thoroughly after handling. ...Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling.</p> <p>Wear protective gloves/protective clothing/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment.</p> | <p>If swallowed: Rinse mouth. Do NOT induce vomiting.</p> <p>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>Wash contaminated clothing before reuse.</p> <p>If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>Immediately call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.</p> <p>Specific treatment (see ... on this label)</p> | <p>Store locked up.</p> | <p>Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified).</p> | |

... Reference to supplemental first aid instruction.
 - *Manufacturer, importer, or distributor may specify a cleansing agent if appropriate.*

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

C.4.4 SKIN CORROSION/IRRITATION (CONTINUED)
 (Classified in Accordance with Appendix A.2)

| Hazard category | Signal word | Hazard statement |
|-----------------|-------------|------------------------|
| 2 | Warning | Causes skin irritation |

Pictogram
Exclamation mark



Precautionary statements

| Prevention | Response | Storage | Disposal |
|---|--|---------|----------|
| <p>Wash ... thoroughly after handling. ... Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling.</p> <p>Wear protective gloves. Chemical manufacturer, importer, or distributor to specify type of equipment.</p> | <p>If on skin: Wash with plenty of water/... ... Chemical manufacturer, importer, or distributor may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. - <i>Manufacturer, importer, or distributor may specify a cleansing agent if appropriate.</i></p> <p>If skin irritation occurs: Get medical advice/attention.</p> <p>Take off contaminated clothing and wash it before reuse.</p> | | |

C.4.5 EYE DAMAGE/IRRITATION (CONTINUED)
 (Classified in Accordance with Appendix A.3)

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

Pictogram
Corrosion








Precautionary statements

| Prevention | Response | Storage | Disposal |
|---|--|---------|----------|
| <p>Wear eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment.</p> | <p>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>Immediately call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.</p> | | |

C.4.5 EYE DAMAGE/IRRITATION (CONTINUED)
 (Classified in Accordance with Appendix A.3)

Pictogram
Exclamation mark

| Hazard category | Signal word | Hazard statement | |
|--|--|---|--|
| 2A | Warning | Causes serious eye irritation |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Wash ... thoroughly after handling. ... Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling. | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. | | |
| Wear eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment. | If eye irritation persists: Get medical advice/attention. | | |
| C.4.5 EYE DAMAGE/IRRITATION (CONTINUED) (Classified in Accordance with Appendix A.3) | | | |
| | | | Pictogram No Pictogram |
| Hazard category | Signal word | Hazard statement | |
| 2B | Warning | Causes eye irritation | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Wash ... thoroughly after handling. ... Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling. | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. | | |
| | If eye irritation persists: Get medical advice/attention. | | |
| C.4.6 SENSITIZATION - RESPIRATORY (Classified in Accordance with Appendix A.4) | | | |
| | | | Pictogram Health hazard |
| Hazard category | Signal word | Hazard statement | |
| 1 (including both sub-categories 1A and 1B) | Danger | May cause allergy or asthma symptoms or breathing difficulties if inhaled |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Avoid breathing dust/fume/gas/mist/ vapors/spray. Chemical manufacturer, importer, or distributor to specify applicable conditions. | If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. | | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |
| [In case of inadequate ventilation] wear respiratory protection. Chemical manufacturer, importer, or distributor to specify equipment <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> | If experiencing respiratory symptoms: Call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice. | | |
| C.4.7 SENSITIZATION - SKIN (Classified in Accordance with Appendix A.4) | | | |
| | | | Pictogram Exclamation mark |

| Hazard category | Signal word | Hazard statement | |
|---|---|--|--|
| 1 (including both sub-categories 1A and 1B) | Warning | May cause an allergic skin reaction |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| <p>Avoid breathing dust/fume /gas/mist/ vapors/spray. Chemical manufacturer, importer, or distributor to specify applicable conditions.</p> <p>Contaminated work clothing must not be allowed out of the workplace.</p> <p>Wear protective gloves. Chemical manufacturer, importer, or distributor to specify type of equipment.</p> | <p>If on skin: Wash with plenty of water/... ... Chemical manufacturer, importer, or distributor may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>If skin irritation or rash occurs: Get medical advice/attention.</p> <p>Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. - <i>Manufacturer, importer, or distributor may specify a cleansing agent if appropriate.</i></p> <p>Wash contaminated clothing before reuse.</p> | | <p>Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified).</p> |
| <p>C.4.8 GERM CELL MUTAGENICITY (Classified in Accordance with Appendix A.5)</p> | | | |
| | | | <p>Pictogram Health hazard</p> |
| Hazard category | Signal word | Hazard statement | |
| 1A and 1B | Danger | May cause genetic defects <...> |  |
| 2 | Warning | Suspected of causing genetic defects <...> <i>(state route of exposure if no other routes of exposure cause the hazard)</i> | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| <p>Obtain special instructions before use.</p> <p>Do not handle until all safety precautions have been read and understood.</p> <p>Wear protective gloves/protective clothing/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment, as required.</p> | <p>If exposed or concerned: Get medical advice/attention.</p> | <p>Store locked up.</p> | <p>Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified).</p> |
| <p>C.4.9 CARCINOGENICITY (Classified in Accordance with Appendix A.6)</p> | | | |
| | | | <p>Pictogram Health hazard</p> |
| Hazard category | Signal word | Hazard statement | |
| 1A and 1B | Danger | May cause cancer <...> |  |
| 2 | Warning | Suspected of causing cancer <...> <i>(state route of exposure if no other routes of exposure cause the hazard)</i> | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| <p>Obtain special instructions before use.</p> <p>Do not handle until all safety precautions have been read and understood.</p> | <p>If exposed or concerned: Get medical advice/attention.</p> | <p>Store locked up.</p> | <p>Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified).</p> |

Wear protective gloves/protective clothing/eye protection/face protection.

Chemical manufacturer, importer, or distributor to specify type of equipment, as required.

Note: If a Category 2 carcinogen ingredient is present in the mixture at a concentration between 0.1% and 1%, information is required on the SDS for a product; however, a label warning is optional. If a Category 2 carcinogen ingredient is present in the mixture at a concentration of \geq 1%, both an SDS and a label is required and the information must be included on each.

C.4.10 TOXIC TO REPRODUCTION
(Classified in Accordance with Appendix A.7)

Pictogram
Health hazard

| Hazard category | Signal word | Hazard statement |
|-----------------|-------------|--|
| 1A and 1B | Danger | May damage fertility or the unborn child <...> <<...>> |
| 2 | Warning | Suspected of damaging fertility or the unborn child <...> <<...>> <i>(state specific effect if known)</i> <i>(state route of exposure if no other routes of exposure cause the hazard)</i> |



Precautionary statements

| Prevention | Response | Storage | Disposal |
|---|--|------------------|---|
| Obtain special instructions before use. | If exposed or concerned: Get medical advice/attention. | Store locked up. | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |
| Do not handle until all safety precautions have been read and understood. | | | |

Wear protective gloves/protective clothing/eye protection/face protection.

Chemical manufacturer, importer, or distributor to specify type of equipment, as required.

C.4.10 TOXIC TO REPRODUCTION (CONTINUED)
(Classified in Accordance with Appendix A.7)
(EFFECTS ON OR VIA LACTATION)

Pictogram
No Pictogram

| Hazard category | Signal word | Hazard statement |
|-----------------------------|-----------------------|---------------------------------------|
| <i>No designated number</i> | <i>No signal word</i> | May cause harm to breast-fed children |

(See Table A.7.1 in Appendix A.7)

Precautionary statements

| Prevention | Response | Storage | Disposal |
|---|--|---------|----------|
| Obtain special instructions before use. | If exposed or concerned: Get medical advice/attention. | | |
| Do not breathe dusts or mists. <i>- if inhalable particles of dusts or mists may occur during use.</i> | | | |
| Avoid contact during pregnancy/while nursing. | | | |
| Wash ... thoroughly after handling. ...Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling. | | | |
| Do not eat, drink or smoke when using this product. | | | |

C.4.11 SPECIFIC TARGET ORGAN TOXICITY (Single Exposure)
(Classified in Accordance with Appendix A.8)

Pictogram
Health hazard

| Hazard category | Signal word | Hazard statement | |
|---|---|---|--|
| 1 | Danger | Causes damage to organs <...> <<...>> <...> (or state all organs affected if known) <<...>> (state route of exposure if no other routes of exposure cause the hazard) |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Do not breathe dust/fume /gas/mist/ vapors/spray. Chemical manufacturer, importer, or distributor to specify applicable conditions. | If exposed: Call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice. | Store locked up. | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |
| Wash ...thoroughly after handling. ... Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling. | Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. - if immediate measures are required. | | |
| Do not eat, drink or smoke when using this product. | | | |
| C.4.11 SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) (CONTINUED) (Classified in Accordance with Appendix A.8) | | | |
| Hazard category | Signal word | Hazard statement | Pictogram Health hazard |
| 2 | Warning | May cause damage to organs <...> <<...>> <...> (or state all organs affected, if known) <<...>> (state route of exposure if no other routes of exposure cause the hazard) |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Do not breathe dust/fume /gas/mist/ vapors/spray. Chemical manufacturer, importer, or distributor to specify applicable conditions. | If exposed or concerned: Call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice. | Store locked up. | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |
| Wash ... thoroughly after handling. ... Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling. | | | |
| Do not eat, drink or smoke when using this product. | | | |
| C.4.11 SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) (CONTINUED) (Classified in Accordance with Appendix A.8) | | | |
| Hazard category | Signal word | Hazard statement | Pictogram Exclamation mark |
| 3 | Warning | May cause respiratory irritation; or May cause drowsiness or dizziness |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Avoid breathing dust/fume /gas/mist/ vapors/spray. Chemical manufacturer, importer, or distributor to specify applicable conditions. | If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/.../if you feel unwell. ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice. | Store in a well-ventilated place. Keep container tightly closed. - if product is volatile so as to generate hazardous atmosphere. Store locked up. | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |
| Use only outdoors or in a well-ventilated area. | | | |
| C.4.12 SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) | | | |

(Classified in Accordance with Appendix A.9)

| Hazard category | Signal word | Hazard statement | Pictogram Health hazard |
|---|---|--|--|
| 1 | Danger | Causes damage to organs <...> through prolonged or repeated exposure <<...>> <...> (state all organs affected, if known) <<...>> (state route of exposure if no other routes of exposure cause the hazard) | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Do not breathe dust/fume /gas/mist/ vapors/spray. Chemical manufacturer, importer, or distributor to specify applicable conditions. Wash ... thoroughly after handling. ...Chemical manufacturer, importer, or distributor to specify parts of the body to be washed after handling. Do not eat, drink or smoke when using this product. | Get medical advice/attention if you feel unwell. | | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |

C.4.12 SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) (CONTINUED)
(Classified in Accordance with Appendix A.9)



| Hazard category | Signal word | Hazard statement | Pictogram Health hazard |
|---|---|---|--|
| 2 | Warning | May cause damage to organs <...> through prolonged or repeated exposure <<...>> <...> (state all organs affected, if known) <<...>> (state route of exposure if no other routes of exposure cause the hazard) | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Do not breathe dust/fume /gas/mist/ vapors/spray. Chemical manufacturer, importer, or distributor to specify applicable conditions. | Get medical advice/attention if you feel unwell. | | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |

C.4.13 ASPIRATION HAZARD
(Classified in Accordance with Appendix A.10)


| Hazard category | Signal word | Hazard statement | Pictogram Health hazard |
|--------------------------|--|--|--|
| 1 | Danger | May be fatal if swallowed and enters airways | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| | If swallowed: Immediately call a poison center/doctor/... ... Chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice. Do NOT induce vomiting. | Store locked up. | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |



C.4.14 EXPLOSIVES
(Classified in Accordance with Appendix B.1)

Pictogram
Exploding bomb

| Hazard category | Signal word | Hazard statement | |
|---|--|--|--|
| Unstable explosive | Danger | Unstable explosive |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment, as required. | Explosion risk in case of fire. Do NOT fight fire when fire reaches explosives. Evacuate area. | Storein accordance with local/regional/national/international regulations (to be specified). | Dispose of contents/container toin accordance with local/regional/national/international regulations (to be specified). |
| C.4.14 EXPLOSIVES (CONTINUED) (Classified in Accordance with Appendix B.1) | | | |
| | | | Pictogram Exploding bomb |
| Hazard category | Signal word | Hazard statement | |
| Division 1.1 | Danger | Explosive; mass explosion hazard |  |
| Division 1.2 | Danger | Explosive; severe projection hazard | |
| Division 1.3 | Danger | Explosive; fire, blast or projection | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s). Keep wetted with... ... Chemical manufacturer, importer, or distributor to specify appropriate material. <i>- if drying out increases explosion hazard, except as needed for manufacturing or operating processes (e.g., nitrocellulose).</i> Ground/bond container and receiving equipment. <i>- if the explosive is electrostatically sensitive.</i> Do not subject to grinding/shock /.../friction. ...Chemical manufacturer, importer, or distributor to specify applicable rough handling. Wear face protection. Chemical manufacturer, importer, or distributor to specify type of equipment. | In case of fire: evacuate area. Explosion risk in case of fire. Do NOT fight fire when fire reaches explosives. | Storein accordance with local/regional/national/international regulations (to be specified). | Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified). |
| C.4.14 EXPLOSIVES (CONTINUED) (Classified in Accordance with Appendix B.1) | | | |
| | | | Pictogram Exploding bomb ¹ |

Note: Unpackaged explosives or explosives repacked in packagings other than the original or similar packaging shall have the label elements assigned to Division 1.1 unless the hazard is shown to correspond to one of the hazard categories in Appendix B.1, in which case the corresponding symbol, signal word and/or the hazard statement shall be assigned.

| Hazard category | Signal word | Hazard statement | |
|---|--|--|--|
| Division 1.4 | Warning | Fire or projection hazard |  |
| Precautionary statements ¹ | | | |
| Prevention | Response | Storage | Disposal |
| <p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s).</p> <p>Ground/bond container and receiving equipment. <i>- if the explosive is electrostatically sensitive.</i></p> <p>Do not subject to grinding/shock /.../friction. Chemical manufacturer, importer, or distributor to specify applicable rough handling.</p> <p>Wear face protection. Chemical manufacturer, importer, or distributor to specify type of equipment.</p> | <p>In case of fire: Evacuate area.</p> <p>Explosion risk in case of fire. <i>- except if explosives are 1.4S ammunition and components thereof.</i></p> <p>Do NOT fight fire when fire reaches explosives.</p> <p>Fight fire with normal precautions from a reasonable distance <i>- if explosives are 1.4S ammunition and components thereof.</i></p> | <p>Storein accordance with local/regional/national/international regulations (to be specified).</p> | <p>Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified).</p> |
| <p>Note: Unpackaged explosives or explosives repacked in packagings other than the original or similar packaging shall have the label elements assigned to Division 1.1 unless the hazard is shown to correspond to one of the hazard categories in Appendix B.1, in which case the corresponding symbol, signal word and/or the hazard statement shall be assigned.¹</p> | | | |
| <p>C.4.14 EXPLOSIVES (CONTINUED) (Classified in Accordance with Appendix B.1)</p> | | | |
| | | | <p>Pictogram <i>No Pictogram</i></p> |
| Hazard category | Signal word | Hazard statement | |
| Division 1.5 | Danger | May mass explode in fire | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| <p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s).</p> <p>Keep wetted with... ... Chemical manufacturer, importer, or distributor to specify appropriate material. <i>- if drying out increases explosion hazard, except as needed for manufacturing or operating processes (e.g., nitrocellulose).</i></p> <p>Ground/bond container and receiving equipment <i>- if the explosive is electrostatically sensitive.</i></p> <p>Do not subject to grinding/shock /.../friction. ...Chemical manufacturer, importer, or distributor to specify applicable rough handling.</p> <p>Wear face protection. Chemical manufacturer, importer, or distributor to specify type of equipment.</p> | <p>In case of fire: Evacuate area.</p> <p>Explosion risk in case of fire.</p> <p>Do NOT fight fire when fire reaches explosives.</p> | <p>Storein accordance with local/regional/national/international regulations (to be specified).</p> | <p>Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).</p> |
| <p>Note: Unpackaged explosives or explosives repacked in packagings other than the original or similar packaging shall have the label elements assigned to Division 1.1 unless the hazard is shown to correspond to one of the hazard categories in Appendix B.1, in which case the corresponding symbol, signal word and/or the hazard statement shall be assigned.</p> | | | |
| <p>C.4.14 EXPLOSIVES (CONTINUED) (Classified in Accordance with Appendix B.1)</p> | | | |

| Hazard category | Signal word | Hazard statement | Pictogram No Pictogram |
|---|---|--|---|
| Division 1.6 | <i>No signal word</i> | <i>No hazard statement</i> | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| None assigned | None assigned | None assigned | None assigned |
| Note: Unpackaged explosives or explosives repacked in packagings other than the original or similar packaging shall have the label elements assigned to Division 1.1 unless the hazard is shown to correspond to one of the hazard categories in Appendix B.1, in which case the corresponding symbol, signal word and/or the hazard statement shall be assigned. | | | |
| C.4.15 FLAMMABLE GASES (Classified in Accordance with Appendix B.2) | | | |
| Hazard category | Signal word | Hazard statement | Pictogram Flame |
| 1 | Danger | Extremely flammable gas |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s). | Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. | Store in well-ventilated place. | |
| C.4.15 FLAMMABLE GASES (CONTINUED) (Classified in Accordance with Appendix B.2) | | | |
| Hazard category | Signal word | Hazard statement | Pictogram No Pictogram |
| 2 | Warning | Flammable gas | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition sources(s). | Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. | Store in well-ventilated place. | |
| C.4.16 FLAMMABLE AEROSOLS (Classified in Accordance with Appendix B.3) | | | |
| Hazard category | Signal word | Hazard statement | Pictogram Flame |
| 1 | Danger | Extremely flammable aerosol |  |
| 2 | Warning | Flammable aerosol | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition sources(s). Do not spray on an open flame or other ignition source. | | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. | |
| Pressurized container: Do not pierce | | | |

or burn, even after use.

C.4.17 OXIDIZING GASES
(Classified in Accordance with Appendix B.4)

Hazard category **Signal word** **Hazard statement**

1 Danger May cause or intensify fire; oxidizer

Pictogram
Flame over circle



Precautionary statements

| | | | |
|---|--|---------------------------------|-----------------|
| Prevention | Response | Storage | Disposal |
| Keep/Store away from clothing/.../combustible materials. ...Chemical manufacturer, importer, or distributor to specify other incompatible materials. | In case of fire: Stop leak if safe to do so. | Store in well-ventilated place. | |
| Keep reduction valves/valves and fittings free from oil and grease. | | | |

C.4.18 GASES UNDER PRESSURE
(Classified in Accordance with Appendix B.5)

| | | |
|------------------------|--------------------|--|
| Hazard category | Signal word | Hazard statement |
| Compressed gas | Warning | Contains gas under pressure; may explode if heated |
| Liquefied gas | Warning | Contains gas under pressure; may explode if heated |
| Dissolved gas | Warning | Contains gas under pressure; may explode if heated |

Pictogram
Gas cylinder



Precautionary statements

| | | | |
|-------------------|-----------------|---|-----------------|
| Prevention | Response | Storage | Disposal |
| | | Protect from sunlight. Store in a well-ventilated place. | |

C.4.18 GASES UNDER PRESSURE (CONTINUED)
(Classified in Accordance with Appendix B.5)

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

Pictogram
Gas cylinder




Precautionary statements

| | | | |
|---|--|---------------------------------|-----------------|
| Prevention | Response | Storage | Disposal |
| Wear cold insulating gloves/face shield/eye protection. | Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention. | Store in well-ventilated place. | |

C.4.19 FLAMMABLE LIQUIDS
(Classified in Accordance with Appendix B.6)

Pictogram
Flame

| Hazard category | Signal word | Hazard statement | |
|--|--|---|---|
| 1 | Danger | Extremely flammable liquid and vapor |  |
| 2 | Danger | Highly flammable liquid and vapor | |
| 3 | Warning | Flammable liquid and vapor | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s). Keep container tightly closed. Ground/Bond container and receiving equipment <i>- if electrostatically sensitive material is for reloading.</i> <i>- if product is volatile so as to generate hazardous atmosphere.</i> Use explosion-proof electrical/ventilating/lighting/.../equipment. ... Chemical manufacturer, importer, or distributor to specify other equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection Chemical manufacturer, importer, or distributor to specify type of equipment. | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use ... to extinguish. ... Chemical manufacturer, importer, or distributor to specify appropriate media. <i>- if water increases risk.</i> | Store in a well-ventilated place. Keep cool. | Dispose of contents/container to... ... in accordance with local/regional /national/ international regulations (to be specified). |


C.4.19 FLAMMABLE LIQUIDS (CONTINUED)
(Classified in Accordance with Appendix B.6)

Pictogram
No Pictogram

| Hazard category | Signal word | Hazard statement | |
|---|--|---|--|
| 4 | Warning | Combustible liquid | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from flames and hot surfaces. – No smoking. Wear protective gloves/eye protection/face protection Chemical manufacturer, importer, or distributor to specify type of equipment. | In case of fire: Use ... to extinguish. ... Chemical manufacturer, importer, or distributor to specify appropriate media. <i>- if water increases risk.</i> | Store in a well-ventilated place. Keep cool. | Dispose of contents/container to... in accordance with local/regional/ national/international regulations (to be specified). |

C.4.20 FLAMMABLE SOLIDS
(Classified in Accordance with Appendix B.7)

Pictogram
Flame


| Hazard category | Signal word | Hazard statement | |
|--|---|------------------|---|
| 1 | Danger | Flammable solid |  |
| 2 | Warning | Flammable solid | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s). Ground/Bond container and | In case of fire: Use ... to extinguish ... Chemical manufacturer, importer, or distributor to specify appropriate media. <i>- if water increases risk.</i> | | |

receiving equipment.
- if electrostatically sensitive material is for reloading.



Use explosion-proof electrical/ventilating/ lighting/... /equipment.
... Chemical manufacturer, importer, or distributor to specify other equipment.
- if dust clouds can occur.

Wear protective gloves/eye protection/face protection
Chemical manufacturer, importer, or distributor to specify type of equipment.

C.4.21 SELF-REACTIVE SUBSTANCES AND MIXTURES
(Classified in Accordance with Appendix B.8)


| Hazard category | Signal word | Hazard statement | Pictogram Flame Exploding bomb |
|---|--|--|--|
| Type A | Danger | Heating may cause an explosion |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s). Keep/Store away from clothing/... /combustible materials. ... Chemical manufacturer, importer, or distributor to specify other incompatible materials. Keep only in original container. Wear protective gloves/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment. | In case of fire: Use ... to extinguish ... Chemical manufacturer, importer, or distributor to specify appropriate media. - if water increases risk. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. | Store in a well-ventilated place. Keep cool. Store at temperatures not exceeding ...°C/...°F. ... Chemical manufacturer, importer, or distributor to specify temperature. Store away from other materials. | Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified). |

C.4.21 SELF-REACTIVE SUBSTANCES AND MIXTURES (CONTINUED)
(Classified in Accordance with Appendix B.8)


| Hazard category | Signal word | Hazard statement | Pictogram Exploding bomb and flame |
|--|---|--|--|
| Type B | Danger | Heating may cause a fire or explosion |   |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s). Keep/Store away from clothing/... /combustible materials. ... Chemical manufacturer, importer, or distributor to specify other incompatible materials. Keep only in original container. Wear protective gloves/eye | In case of fire: Use ... to extinguish. ... Chemical manufacturer, importer, or distributor to specify appropriate media. - if water increases risk. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. | Store in a well-ventilated place. Keep cool. Store at temperatures not exceeding ...°C/...°F. ... Chemical manufacturer, importer, or distributor to specify temperature. Store away from other materials. | Dispose of contents/container to... ...in accordance with local/regional /national/international regulations (to be specified). |

protection/face protection.
Chemical manufacturer, importer, or distributor to specify type of equipment.

C.4.21 SELF-REACTIVE SUBSTANCES AND MIXTURES(CONTINUED)
(Classified in Accordance with Appendix B.8)




| Hazard category | Signal word | Hazard statement | Pictogram |
|--|---|---|---|
| Type C | Danger | Heating may cause a fire |  |
| Type D | Danger | Heating may cause a fire | |
| Type E | Warning | Heating may cause a fire | |
| Type F | Warning | Heating may cause a fire | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s). | In case of fire: Use ... to extinguish ... Chemical manufacturer, importer, or distributor to specify appropriate media. - <i>if water increases risk.</i> | Store in a well-ventilated place. Keep cool. Store at temperatures not exceeding ...°C/...°F. ...Chemical manufacturer, importer, or distributor to specify temperature. Store away from other materials. | Dispose of contents/container to... ...in accordance with local/regional /national/international regulations (to be specified). |
| Keep/Store away from clothing/.../combustible materials. ...Chemical manufacturer, importer, or distributor to specify other incompatible materials. | | | |
| Keep only in original container. | | | |
| Wear protective gloves/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment. | | | |

C.4.22 PYROPHORIC LIQUIDS
(Classified in Accordance with Appendix B.9)


| Hazard category | Signal word | Hazard statement | Pictogram Flame |
|---|--|--|---|
| 1 | Danger | Catches fire spontaneously if exposed to air |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition sources(s). | If on skin: Immerse in cool water/wrap with wet bandages In case of fire: Use ... to extinguish ... Chemical manufacturer, importer, or distributor to specify appropriate media. - <i>if water increases risk.</i> | Store contents under Chemical manufacturer, importer, or distributor to specify appropriate liquid or inert gas. | |
| Do not allow contact with air. | | | |
| Wear protective gloves/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment. | | | |

C.4.23 PYROPHORIC SOLIDS
(Classified in Accordance with Appendix B.10)


Pictogram
Flame

| Hazard category | Signal word | Hazard statement | |
|--|-------------|---|--|
| 1 | Danger | Catches fire spontaneously if exposed to air |  |
| Precautionary statements | | | |
| Prevention | | Response | Storage |
| Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s). Do not allow contact with air. Wear protective gloves/eye protection/face protection Chemical manufacturer, importer, or distributor to specify type of equipment. | | Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages. In case of fire: Use ... to extinguish ... Chemical manufacturer, importer, or distributor to specify appropriate media. - <i>if water increases risk.</i> | Store contents underChemical manufacturer, importer, or distributor to specify appropriate liquid or inert gas. |
| C.4.24 SELF-HEATING SUBSTANCES AND MIXTURES (Classified in Accordance with Appendix B.11) | | | |
| | | | Pictogram Flame |
| Hazard category | Signal word | Hazard statement | |
| 1 | Danger | Self-heating; may catch fire |  |
| 2 | Warning | Self-heating in large quantities; may catch fire | |
| Precautionary statements | | | |
| Prevention | | Response | Storage |
| Keep cool. Protect from sunlight. Wear protective gloves/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment. | | | Maintain air gap between stacks/pallets. Store bulk masses greater than ... kg/...lbs at temperatures not exceeding ...°C/...°F. ... Chemical manufacturer, importer, or distributor to specify mass and temperature. Store away from other materials. |
| C.4.25 SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GASES (Classified in Accordance with Appendix B.12) | | | |
| | | | Pictogram Flame |
| Hazard category | Signal word | Hazard statement | |
| 1 | Danger | In contact with water releases flammable gases, which may ignite spontaneously |  |
| 2 | Danger | In contact with water releases flammable gas | |
| Precautionary statements | | | |
| Prevention | | Response | Storage |
| Do not allow contact with water. Handle under inert gas. Protect from moisture. Wear protective gloves/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment. | | Brush off loose particles from skin and immerse in cool water/wrap in wet bandages. In case of fire: Use ... to extinguish ... Chemical manufacturer, importer, or distributor to specify appropriate media. - <i>if water increases risk.</i> | Store in a dry place. Store in a closed container. |
| | | | Disposal |
| | | | Dispose of contents/container to... ...in accordance with local/regional /national/international regulations (to be specified). |


C.4.25 SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GASES (CONTINUED)
(Classified in Accordance with Appendix B.12)

| Hazard category | Signal word | Hazard statement | Pictogram Flame |
|---|--|---|---|
| 3 | Warning | In contact with water releases flammable gas |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Handle under inert gas. Protect from moisture. Wear protective gloves/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment. | In case of fire: Use ... to extinguish. ... Chemical manufacturer, importer, or distributor to specify appropriate media. <i>- if water increases risk.</i> | Store in a dry place. Store in a closed container. | Dispose of contents/container to... ...in accordance with local/regional/national/ international regulations (to be specified). |

C.4.26 OXIDIZING LIQUIDS
(Classified in Accordance with Appendix B.13)

| Hazard category | Signal word | Hazard statement | Pictogram Flame over circle |
|---|--|--|--|
| 1 | Danger | May cause fire or explosion; strong oxidizer |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat. Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles/... ... Chemical manufacturer, importer, or distributor to specify other incompatible materials. Wear protective gloves /eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment. Wear fire/flame resistant/retardant clothing. | If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. In case of fire: Use ... to extinguish. ... Chemical manufacturer, importer, or distributor to specify appropriate media. <i>- if water increases risk.</i> | | Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified). |

C.4.26 OXIDIZING LIQUIDS (CONTINUED)
(Classified in Accordance with Appendix B.13)

| Hazard category | Signal word | Hazard statement | Pictogram Flame over circle |
|--|--|------------------------------|--|
| 2 | Danger | May intensify fire; oxidizer |  |
| 3 | Warning | May intensify fire; oxidizer | |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep away from heat. Keep/Store away from clothing/... /combustible materials. ...Chemical manufacturer, importer, or distributor to specify other incompatible materials. Take any precaution to avoid mixing | In case of fire: Use ... to extinguish. ... Chemical manufacturer, importer, or distributor to specify appropriate media. <i>- if water increases risk.</i> | | Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified). |

with combustibles/...

... Chemical manufacturer, importer, or distributor to specify other incompatible materials.

Wear protective gloves/eye protection/face protection.

Chemical manufacturer, importer, or distributor to specify type of equipment.

C.4.27 OXIDIZING SOLIDS
(Classified in Accordance with Appendix B.14)

| Hazard category | Signal word | Hazard statement |
|-----------------|-------------|--|
| 1 | Danger | May cause fire or explosion; strong oxidizer |

Pictogram
Flame over circle



Precautionary statements

| Prevention | Response | Storage | Disposal |
|--|---|---------|--|
| <p>Keep away from heat.</p> <p>Keep away from clothing and other combustible materials.</p> <p>Take any precaution to avoid mixing with combustibles/... ...Chemical manufacturer, importer, or distributor to specify other incompatible materials.</p> <p>Wear protective gloves/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment.</p> <p>Wear fire/flame resistant/retardant clothing.</p> | <p>If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.</p> <p>In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.</p> <p>In case of fire: Use ... to extinguish. ... Chemical manufacturer, importer, or distributor to specify appropriate media. <i>- if water increases risk.</i></p> | | <p>Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified).</p> |

C.4.27 OXIDIZING SOLIDS (CONTINUED)
(Classified in Accordance with Appendix B.14)

| Hazard category | Signal word | Hazard statement |
|-----------------|-------------|------------------------------|
| 2 | Danger | May intensify fire; oxidizer |
| 3 | Warning | May intensify fire; oxidizer |


Pictogram
Flame over circle





Precautionary statements

| Prevention | Response | Storage | Disposal |
|---|---|---------|---|
| <p>Keep away from heat.</p> <p>Keep/Store away from clothing/.../combustible materials. ... Chemical manufacturer, importer, or distributor to specify incompatible materials.</p> <p>Take any precaution to avoid mixing with combustibles/... ...Chemical manufacturer, importer, or distributor to specify other incompatible materials.</p> <p>Wear protective gloves/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment.</p> | <p>In case of fire: Use ... to extinguish. ... Chemical manufacturer, importer, or distributor to specify appropriate media. <i>- if water increases risk.</i></p> | | <p>Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified).</p> |


C.4.28 ORGANIC PEROXIDES
(Classified in Accordance with Appendix B.15)

| Hazard category | Signal word | Hazard statement | Pictogram Exploding bomb | |
|--|-------------|--------------------------------|--|--|
| Type A | Danger | Heating may cause an explosion |  | |
| Precautionary statements | | | | |
| Prevention | | Response | Storage | Disposal |
| <p>Keep away from heat/sparks/open flames/hot surfaces.- No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s).</p> <p>Keep/Store away from clothing/... /combustible materials. ... Chemical manufacturer, importer, or distributor to specify incompatible materials.</p> <p>Keep only in original container.</p> <p>Wear protective gloves/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment.</p> | | | <p>Store at temperatures not exceeding ...°C/...°F. Keep cool. ... Chemical manufacturer, importer, or distributor to specify temperature.</p> <p>Protect from sunlight.</p> <p>Store away from other materials.</p> | <p>Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified).</p> |

C.4.28 ORGANIC PEROXIDES (CONTINUED)
(Classified in Accordance with Appendix B.15)

| Hazard category | Signal word | Hazard statement | Pictogram Exploding bomb and flame | |
|--|-------------|--------------------------------|--|--|
| Type B | Danger | Heating may cause an explosion |  |  |
| Precautionary statements | | | | |
| Prevention | | Response | Storage | Disposal |
| <p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Chemical manufacturer, importer, or distributor to specify applicable ignition source(s).</p> <p>Keep /Store away from clothing/... /combustible materials. ... Chemical manufacturer, importer, or distributor to specify incompatible materials.</p> <p>Keep only in original container.</p> <p>Wear protective gloves/eye protection/face protection. Chemical manufacturer, importer, or distributor to specify type of equipment.</p> | | | <p>Store at temperatures not exceeding ...°C/...°F. Keep cool. Chemical manufacturer, importer, or distributor to specify temperature.</p> <p>Protect from sunlight.</p> <p>Store away from other materials.</p> | <p>Dispose of contents/container to... ... in accordance with local/regional /national/international regulations (to be specified).</p> |

C.4.28 ORGANIC PEROXIDES (CONTINUED)
(Classified in Accordance with Appendix B.15)

| Hazard category | Signal word | Hazard statement | Pictogram Flame | |
|--------------------------|-------------|--------------------------|---|-----------------|
| Type C | Danger | Heating may cause a fire |  | |
| Type D | Danger | Heating may cause a fire | | |
| Type E | Warning | Heating may cause a fire | | |
| Type F | Warning | Heating may cause a fire | | |
| Precautionary statements | | | | |
| Prevention | | Response | Storage | Disposal |

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Chemical manufacturer, importer, or distributor to specify applicable ignition source(s).

Keep /Store away from clothing/... /combustible materials.
... Chemical manufacturer, importer, or distributor to specify incompatible materials.

Keep only in original container.

Wear protective gloves/eye protection/face protection.
Chemical manufacturer, importer, or distributor to specify type of equipment.


Store at temperatures not exceeding ...°C/...°F. Keep cool.
Chemical manufacturer, importer, or distributor to specify temperature.

Protect from sunlight.


Store away from other materials.

Dispose of contents/container to...
... in accordance with local/regional /national/international regulations (to be specified).

C.4.29 CORROSIVE TO METALS (Classified in Accordance with Appendix B.16)

| Hazard category | Signal word | Hazard statement | Pictogram Corrosion |
|----------------------------------|---|--|---|
| 1 | Warning | May be corrosive to metals |  |
| Precautionary statements | | | |
| Prevention | Response | Storage | Disposal |
| Keep only in original container. | Absorb spillage to prevent material damage. | Store in corrosive resistant/... container with a resistant inner liner. ... Chemical manufacturer, importer, or distributor to specify other compatible materials. | |

C.4.30 Label elements for OSHA defined hazards

| Hazard category | Signal word | Hazard statement | Pictogram Flame |
|-------------------------------|-------------|---|---|
| Pyrophoric Gas | Danger | Catches fire spontaneously if exposed to air |  |
| Pictogram No Pictogram | | | |
| Hazard category | Signal word | Hazard statement | |
| Simple Asphyxiant | Warning | May displace oxygen and cause rapid suffocation | |
| Pictogram No Pictogram | | | |
| Hazard category | Signal word | Hazard statement | |
| Combustible Dust ² | Warning | May form combustible dust concentrations in air | |

1 Except no pictogram is required for explosives that are 1.4S small arms ammunition and components thereof. Labels for 1.4S small arms ammunition and components shall include appropriate precautionary statements.

2 The chemical manufacturer or importer shall label chemicals that are shipped in dust form, and present a combustible dust hazard in that form when used downstream, under paragraph (f)(1); 2) the chemical manufacturer or importer shipping chemicals that are in a form that is not yet a dust must provide a label to customers under paragraph (f)(4) if, under normal conditions of use, the chemicals are processed in a downstream workplace in such a way that they present a combustible dust hazard; and 3) the employer shall follow the workplace labeling requirements under paragraph (f)(6) where combustible dust hazards are present.

[61 FR 9227, March 7, 1996; 77 FR 17824, March 26, 2012]

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| <p>← Next Standard (1910.1200 App D)</p> <p>← Regulations (Standards - 29 CFR) - Table of Contents</p> |
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