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|  | **Application form (Annex 1)** | |  |
|  |  |  |  |
|  | **DE-UZ 232 – Edition July 2023** | Foam and water fire extinguishers |  |
|  |  |  |  |

**Company information**

|  |  |
| --- | --- |
| Company Name: |  |
| Full Address: |  |
|  |  |
|  |  |

**Contact Person**

|  |  |
| --- | --- |
| Name: |  |
| Function: |  |
| Telephone number: |  |
| E-Mail-Address: |  |

**Production site (if different from the company address)**

|  |  |
| --- | --- |
| Company Name: |  |
| Full Address: |  |
|  |  |
|  |  |

**Product specifications**

|  |  |
| --- | --- |
| Trade name of the product: |  |
| Weight [Kg]: |  |
| Extinguishing agent filling volume [Kg]: |  |

|  |  |
| --- | --- |
|  | **We hereby confirm** that the fire extinguisher complies with DIN EN 3. |

**Type of fire extinguisher**:

|  |  |
| --- | --- |
|  | Foam fire extinguisher |
|  | Water fire extinguisher |
|  | Water fire extinguisher with additives |

**Suitable for the following fire classes:**

|  |  |
| --- | --- |
|  | Class A |
|  | Class B |
|  | Class F |
|  | Class AB |
|  | Class ABF |

**3.1 Construction requirements for portable fire extinguishers**

**3.1.1 Material requirements for plastic parts**

|  |  |
| --- | --- |
|  | **We hereby confirm that no substances are added to the plastics as constitutional components[[1]](#footnote-1) which are classified as**   1. Substances identified as Substances of Very High Concern (SVHC) under the Chemicals Regulation REACH (EC/1907/2006) and included in the list established under REACH Article 59(1) (the so-called "Candidate List")[[2]](#footnote-2). The holder of the markis obliged to take into account current developments of the Candidate List. 2. substances classified or meeting the criteria for classification under the CLP Regulation (EC 1272/2008) in the following hazard categories[[3]](#footnote-3):  * carcinogenic of category Carc. 1A or Carc. 1B; * germ cell mutagenic (mutagenic) category Muta. 1A or Muta. 1B; * toxic for reproduction of category Repr. 1A or Repr. 1B;   **Furthermore, we confirmed that the following compounds were not added to the plastics:**   * halogen-containing polymers * Organohalogen compounds as flame retardants * Flame retardants classified as Carc. 2 or Aquatic Chronic 1 according to the CLP Regulation (EC 1272/2008).   Excluded from this regulation are:   * Process-related, technically unavoidable impurities * Plastic parts with a mass less than 10 g |
|  | **Manufacturer/supplier declarations (Attachment P-M) and listing of casing plastics used (Annex P-L) are attached to the application.** |

**3.1.2 Requirements for paints and coatings**

|  |  |
| --- | --- |
|  | **We hereby confirm compliance with the following criteria for priming and painting of fire extinguishers:**   1. Apart from impurities, coating materials are to be used which do not contain any coating raw materials (fillers, pigments, drying agents) with lead, chromium VI and cadmium compounds. 2. in the coating process, solvent emissions must not exceed a total emission value of 70 g/m2. 3. installations with a consumption capacity of more than 150 kilograms of organic solvents per hour or of more than 200 tons per year shall not exceed a total emission value of 50 g/m2.[[4]](#footnote-4) |
|  | **A declaration of the coating material manufacturer (Annex 4), technical data sheets as well as safety data sheets are attached to the application.** |

**3.1.3 Requirements for pressure gauges**

|  |  |
| --- | --- |
|  | **We hereby confirm** that there are no pressure measuring devices installed in the fire extinguishers that contain lead or alloys containing lead. |
|  | **A declaration of the pressure measuring device manufacturer (Annex 5) is attached to the application.** |

**3.1.4 Requirements for the supply of foam extinguishing agents for foam fire extinguishers**

|  |  |
| --- | --- |
|  | **We hereby confirm** that the foam extinguishing agent is used as a concentrate in cartridges and that the cartridges can be removed and replaced non-destructively by specialist companies. |
|  | **A sketch of the structure of the fire extinguisher is attached to the application.** |

**3.2 Requirements for extinguishing agents**

**3.2.1 Exclusion of substances with certain properties**

|  |  |
| --- | --- |
|  | **We hereby confirm that**   1. substances identified as Substances of Very High Concern (SVHC) under the Chemicals Regulation REACH (EC/1907/2006) and included in the list established under REACH Article 59(1) (so-called "Candidate List") are not used in the extinguishing agent[[5]](#footnote-5). This also applies to impurities. The holder of the mark is obliged to consider current developments of the candidate list. 2. the extinguishing agent ready for use is not labeled with the H-phrases listed in Table 1 in accordance with the criteria of EC Regulation 1272/2008 ("CLP")[[6]](#footnote-6). |
|  | **The extinguishing agent formulation (incl. CAS number, weight percentage, classification, function) as Annex 2 and the corresponding safety data sheets are attached to the application.** |
|  | Hint: Information must be provided for substances with a content of 0.010 wt.% or more.  In the event of changes to the candidate list, the mark holder must declare the non-conformity of the extinguishing agent with this criterion to RAL gGmbH within one month. |

Table 1: Restrictive hazard statements (H-phrases).

| Hazard statement  EC-Regulation 1272/2008  (CLP Regulation) | Wording |
| --- | --- |
| Health hazards | |
| H300 | Danger to life if swallowed. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H304 | May be deadly if swallowed and enters the respiratory tract. |
| H310 | Danger to life in case of skin contact. |
| H311 | Toxic by skin contact. |
| H312 | Harmful by skin contact. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause allergic skin reactions. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Danger to life if inhaled. |
| H331 | Toxic by inhalation. |
| H332 | Harmful to health by inhalation. |
| H334 | May cause allergy, asthma-like symptoms or breathing difficulties if inhaled |
| H335 | May irritate the respiratory tract. |
| H340 | May cause genetic defects. |
| H341 | Can probably cause genetic defects. |
| H350 | May cause cancer. |
| H350i | May cause cancer by inhalation. |
| H351 | May probably cause cancer. |
| H360 | May impair fertility or harm the unborn child. |
| H360F | May affect fertility. |
| H360D | May cause harm to the unborn child. |
| H360FD | May impair fertility.  May cause harm to the unborn child. |
| H360Fd | May impair fertility.  May probably harm the unborn child. |
| H360Df | May cause harm to the unborn child.  May probably impair fertility. |
| H361 | May probably impair fertility or harm the unborn child. |
| H361f | May probably affect fertility. |
| H361d | May probably harm the child in the womb. |
| H361fd | May probably impair fertility.  May probably harm the child in the womb. |
| H362 | May cause harm to infants through breast milk. |
| H370 | Damages the organs. |
| H371 | May cause damage to organs. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| EUH070 | Toxic in contact with eyes. |
| Environmental hazards | |
| H400 | Very toxic to aquatic organisms. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| H413 | May be harmful to aquatic organisms, with long lasting effects. |
| Other health or environmental hazards | |
| H420 | Damaging the ozone layer. |

**3.2.2 Biological degradation behavior**

|  |  |
| --- | --- |
|  | **We hereby confirm** that each individual surfactant contained in the extinguishing agent used is readily aerobically biodegradable according to the specifications of the Detergents Ordinance[[7]](#footnote-7). |
|  | **A test report confirming ready aerobic biodegradability is attached. Proof that the test laboratory in question carries out the relevant analytical procedures in accordance with Good Laboratory Practice (GLP) or that the test laboratory is DAKKS accredited is pending.** |

**3.2.3 Fluorinated organic compounds**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **We hereby confirm** that no fluorinated organic compounds are added to the extinguishing agent**.** | | | |
|  | | | | |
| Please enter the corresponding results from the test report into the table | | | | |
|  | | **Total fluorine** | **Org. fluorine [ppm]** | **Anorg. fluorine [ppm]** |
| **Foam concentrate** [Foam fire extinguisher] | |  |  |  |
| **Extinguishing water** [foam fire extinguisher] | |  |  |  |
| **Extinguishing water** [water fire extinguisher]. | |  |  |  |
|  | |  |  |  |
|  | **Test reports on the determination of the fluorine content in extinguishing agents by combustion ion chromatography (CIC) are attached to the application. Proof that the test laboratory in question carries out the relevant analytical procedures in accordance with Good Laboratory Practice (GLP) or that the test laboratory is DAKKS accredited is pending.** | | | |
|  | **Manufacturer's declarations of the extinguishing agent manufacturer (Annex 3) are attached to the application.** | | | |

**3.2.4 Propellant**

|  |  |
| --- | --- |
|  | **We hereby confirm,** that the propellant used in the fire extinguisher is: |
|  | CO2 (Kohlenstoffdioxid) |
|  | N2 (Stickstoff) |
|  | Druckluft |

**3.3 Requirements for maintenance and disposal**

**3.3.1 Maintenance of portable fire extinguishers**

|  |  |
| --- | --- |
|  | **We hereby confirm** that proper maintenance and servicing of the portable fire extinguisher is ensured in accordance with DIN 14406 and that the extinguishing agent no longer usable during maintenance is classified as hazardous waste in accordance with the Waste Catalogue Ordinance[[8]](#footnote-8) (AVV). |
|  |  |
|  | **Maintenance of portable fire extinguishers is performed by our own personnel.** |
|  | or |
|  | **The maintenance of the portable fire extinguishers is carried out by contracted third parties.** |
|  |  |
|  | **For proof of expertise in accordance with DIN 14406-4, further training certificates certificates, training protocols, training documents or similar are attached to the application.** |
|  | **If third parties are engaged, the relevant contracts are attached to the application.** |
|  | **Receipts for proper disposal of extinguishing agents in accordance with the Record Ordinance[[9]](#footnote-9) are attached to the application.** |
|  | Hint: The proofs for the disposal have to be submitted for each year of the period of validity of the contract of use of the eco-label. |
|  | **A balance sheet of extinguishing agents dispensed and collected during maintenance and disposal is attached to the application.** |

**3.3.2 Take back of hand fire extinguishers**

|  |  |
| --- | --- |
|  | **We hereby confirm** that the return, proper disposal and destruction of the extinguishing agents as well as the proper disposal and, if possible, reuse of components of the fire extinguisher is ensured. |
|  | **Further training certificates, training protocols, training documents or similar are attached to the application as proof of the required waste law expertise.** |
|  | **Evidence of the proper disposal of fire extinguishers in accordance with the Verification Ordinance is attached to the application.** |

**3.4 Consumer information, packaging and advertising claims**

|  |  |
| --- | --- |
|  | **We hereby confirm** that the following instructions and recommendations are attached to the product (printed or by a conspicuous reference to a website via QR code and URL on the product and, if applicable, the sales packaging):   * Instructions for the correct use of the portable fire extinguisher * Information on the application of the hand-held fire extinguisher (fire classes with explanation, extinguishing performance with explanation) * Note that the use of the portable fire extinguisher in case of fire leads to the prevention of emission of environmentally harmful substances into the environment, however, the release of the portable fire extinguisher without cause may harm the environment due to the extinguishing agent it contains * Information on the maintenance of the portable fire extinguisher (cycle, procedure, contact details (telephone number and e-mail address) of the responsible personnel of the signatory, or a contact person at the signatory who can establish contact with the contracted companies). * Instructions for disposing of the portable fire extinguisher as well as information and contact details for taking it back |
|  | **The sales packaging does not contain PVC.** |
|  | **The sales packaging has a recycled content of**       (**at least 50%)** |
|  |  |
|  | **We hereby confirm that** no advertising statements are used for the product which play down the dangers emanating from the foam concentrates or the extinguishing agents, insofar as these contradict the labelling of the extinguishing agents or foam concentrates in accordance with CLP.  Examples: "Non-toxic", "Not harmful to health", "Environmentally friendly", "Ecological", "Not harmful to water", "Not harmful to the environment". |
|  | **The application is accompanied by manufacturer's declarations from the packaging supplier (Annex 6), consumer information and files showing the design of the hand-held fire extinguisher and, if applicable, the consumer packaging.** |

**If you have different comments to a criterion, please enter them here:**

|  |
| --- |
|  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Place:** |  |  |  |
|  |  |  |
| **Date:** |  |  |
|  |  |  |

**Legally binding signature / company stamp**

**Checklist application documents**

Safety data sheets

Technical data sheets

**Annex 2:** Form, list with extinguishing agent recipe

**Annex 3:** Form, manufacturer/supplier declaration (preliminary products)

**Annex P-L:** Form, list of housing parts

**Annex P-M:** Form, manufacturer/supplier declaration (plastic parts)

**Annex 4:** Form, manufacturer/supplier declaration (coating materials)

**Annex 5:** Form, manufacturer/supplier declaration (pressure measuring device)

**Annex 6:** Form, manufacturer/supplier declaration (packaging material)

Sketch with structure of the fire extinguisher

Biodegradability test report

Test report on the content of fluorine compounds

Further training certificates, training protocols, training documents for proof of expertise according to DIN 14406-4

Contracts with third-party companies for maintenance/disposal

Evidence of proper disposal of extinguishing agents or fire extinguishers in accordance with the Ordinance on Waste Recovery and Disposal

Balance sheet on the acceptance and disposal of extinguishing agents

Consumer information

Photos or other files showing the design of the handheld fire extinguisher

1. Substances that are added to extinguishing agents, coatings or plastic parts as such or as a component of mixtures and remain there unchanged in order to achieve or influence certain product properties. Residual monomers reduced to a minimum, for example, are not included. [↑](#footnote-ref-1)
2. The version of the candidate list at the time of application applies. The current version of the candidate list is available at: [http://echa.europa.eu/web/guest/candidate-list-table](http://echa.europa.eu/web/guest/candidate-list-table%20%20)  [↑](#footnote-ref-2)
3. The harmonized classifications and labels of hazardous substances can be found in Annex VI, Part 3 of the CLP Regulation. Furthermore, a comprehensive classification and labeling inventory is publicly available on the website of the European Chemicals Agency ECHA, which also contains all self-classifications of hazardous substances by manufacturers: <https://echa.europa.eu/de/home> [↑](#footnote-ref-3)
4. The emission limits are based on the 31st BImSchV, Regulation on the Limitation of Emissions of Volatile Organic Compounds due to the Use of Organic Solvents in Certain Installations, text of the regulation available at: <https://www.gesetze-im-internet.de/bimschv_31/BJNR218100001.html> [↑](#footnote-ref-4)
5. The version of the candidate list at the time of application applies. The current version of the candidate list is available at: [http://echa.europa.eu/web/guest/candidate-list-table](http://echa.europa.eu/web/guest/candidate-list-table%20%20)  [↑](#footnote-ref-5)
6. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006 (GHS Regulation), text of the regulation available at: <https://eur-lex.europa.eu/legal-content/DE/TXT/?uri=CELEX:32008R1272> [↑](#footnote-ref-6)
7. Regulation (EC) No. 648/2004 on detergents, text of the regulation available at: <https://eur-lex.europa.eu/legal-content/DE/ALL/?uri=CELEX:32004R0648> [↑](#footnote-ref-7)
8. Text of the law available at: <https://www.gesetze-im-internet.de/avv/AVV.pdf> [↑](#footnote-ref-8)
9. Regulation on the record keeping for the disposal of waste, text of regulation available at: <https://www.gesetze-im-internet.de/nachwv_2007/BJNR229810006.html> [↑](#footnote-ref-9)