

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31, Annex II
according to Regulation (EU) No 2020/878

Printing date: 13.04.2026

Revision date: 13.04.2026

Version number: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: ČERVINKA FIRE SWITCH**Other names:** Aerosol Fire Extinguisher ČERVINKA FIRE SWITCH**Article number:** QRR-0.01G**UFI:** 6JY1-QDWH-K50K-5N3X

1.2 Relevant identified uses of the substance or mixture and uses advised against

No use descriptors (LCS, SU, PC, PROC, ERC, AC, TF categories) of the substance or mixture are available.

Application of the substance / the mixture:

Aerosol fire extinguishing device for direct installation in electrical switchboards and circuit breaker cabinets.

Pressed compound in rigid steel casing.

Uses advised against: Any other than the above mentioned.

1.3 Details of the supplier of the safety data sheet

Supplier:

ČERVINKA-CZECH REPUBLIC s.r.o.

Podolská 103/126, Prague 4, 147 00, Czech Republic

Telephones: +420 572 432 223, +420 720 124 125

E-mail: info@hasicitechnika.com

Website: www.cervinkafiregroup.com

Further information obtainable from:

Ing. Karel Královec, Studio2K, Czech Republic

Phone: +420 777 145 808, Email: bl@studio2k.cz, Website: www.bezpecnostni-listy.eu

1.4 Emergency telephone number

European Chemicals Agency (ECHA). National helpdesks contact details: <https://echa.europa.eu/support/helpdesks>

Link to the European Association of Poison Centres and Clinical Toxicologists (EAPCCT): <https://eapcct.org/poison-centres/>

List of European Poison Centers: <https://eapcct.org/tabella/>

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is classified as dangerous in the terms of the Regulation (EC) No 1272/2008 (CLP).

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Additional information:

For the product in the packaging < 125 ml, it is possible to use Art. 29 - Exceptions from the requirements on packaging marking, par. 2. From the marking elements required in Article 17, it is possible to omit the hazard statements and precautionary statements, because the product's classification meets the criteria determined in Article 1.5.2.1.1. of Appendix I of the CLP ordinance.

For the product in the packaging < 125 ml, it is possible to use Art. 29 - Exceptions from the requirements on packaging marking, par. 1. The marking elements may be provided in some of these manners: in folding labels; or on suspended tags; or on the external packaging. On the label of every internal packaging, at least the hazard pictograms, the product identifier (business name or designation and the list of hazardous substances pursuant to criteria of Art. 18) and the name and telephone number of the product's supplier must be stated.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS07

Signal word: Warning**Hazard-determining components of labelling:**

Formaldehyde, oligomeric reaction products with phenol

Hazard statements:

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Precautionary statements:

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/eye protection.

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P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P501 Dispose of contents/container to an approved waste disposal facility.

Additional information:

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

Labelling of packages where the contents do not exceed 125 ml

Hazard pictograms:



GHS07

Signal word: Warning

Hazard-determining components of labelling:

Formaldehyde, oligomeric reaction products with phenol

Hazard statements:

H317 May cause an allergic skin reaction.

Precautionary statements:

P102 Keep out of reach of children.

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to an approved waste disposal facility.

Hazard description:

The product contains regulated starting substances but Regulation (EU) 2019/1148 of the European Parliament and of the Council on the placing on the market and use of explosives precursors does not affect them as the following exemption rule defined in the guidance can be applied:

"In addition, there are cases where it would be so difficult to use certain products containing explosives precursors for the actual manufacture of explosives that the products in question are unlikely to pose a hazard."

Classification system:

The product is intended for consumer and professional use, and this corresponds to its labeling on the packaging.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

The mixture does not contain substances classified at the date of preparation of the safety data sheet as PBT according to Regulation (EC) No 1907/2006 (REACH) in a concentration equal to or greater than 0.1 % by weight.

vPvB:

The mixture does not contain substances classified at the date of preparation of the safety data sheet as vPvB according to Regulation (EC) No 1907/2006 (REACH) in a concentration equal to or greater than 0.1 % by weight.

Determination of endocrine-disrupting properties

The mixture does not contain substances that have been identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 9003-35-4	Formaldehyde, oligomeric reaction products with phenol	5 - 15%
NLP: 500-005-2	Eye Irrit. 2, H319; Skin Sens. 1, H317 Aquatic Chronic 3, H412	
Non dangerous components:		
CAS: 7757-79-1	Potassium nitrate	50 - 100%
EINECS: 231-818-8		

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CAS: 461-58-5 EINECS: 207-312-8	Cyanoguanidine	10 - 30%
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SVHC:

The product does not contain substances classified as of the date of preparation of the safety data sheet as PBT or vPvB and stated in the Candidate list of substances producing very high concerns for Appendix XIV of Regulation (EC) No 1907/2006 (REACH).

Regulation (EC) No 648/2004 on detergents / Labelling for contents: Not apply.

Additional information:

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3 of the Regulation (EC) No 1272/2008 (CLP Regulation) this means that all notes that may be given here for the named classification have been taken into account.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of doubt, appearance of symptoms or upon any problems, seek medical help and present this safety data sheet or the product label.

Never pour anything into the mouth of an unconscious person!

Personal protection for the First Aider.

Immediately remove any clothing soiled by the product.

After inhalation:

Lead the person to fresh air, put the person into a calm environment. In subsequent or continuing troubles, seek medical assistance.

After skin contact:

Wash the affected skin with plenty of water. Upon skin irritation or other problems, consult further procedure with an expert physician.

After eye contact:

Open the eyelids, possibly remove the contact lenses, and thoroughly rinse the affected eyes with clean flowing water for about 15 minutes. Upon persisting eye irritation or other troubles, consult further procedure with an ophthalmologist.

After swallowing:

Thoroughly rinse the mouth with water and do not cause vomiting. Put the affected person in warm and calm conditions. Seek medical assistance immediately.

Information for doctor: Symptomatic treatment.

4.2 Most important symptoms and effects, both acute and delayed

Possible toxicological effects resulting from the classification are stated in Section 11.

Upon inhalation:

Mild respiratory system irritation.

Coughing.

The product may cause effects on the blood, resulting in formation of methaemoglobin when ingested.

The effects may be delayed. Smoke and gases released during intended use is harmful upon inhalation.

After skin contact:

Slight skin irritation.

Reddening of the skin.

Contact with the preparation may result in contact eczema, sensitisation, skin cracking and swelling.

Prolonged or repeated exposure may damage the skin and may cause irritation eczema.

In case of eye contact:

Reversible eye damage.

Eye redness.

Particles can cause physical damage to the eye.

Upon ingestion:

Nausea, abdominal pain, blue skin.

Product can act on the thyroid gland.

Exposure can lead to blood disorders (mild methemoglobinemia).

Methemoglobinemia is characterized by dizziness, drowsiness, headache, shortness of breath, cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood), rapid heart rate and chocolate-brown coloured blood.

4.3 Indication of any immediate medical attention and special treatment needed

In case of ingestion seek medical help immediately.

For special medical advice, contact the Toxicology Information Centre.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Product itself is fire extinguishing agent.

For safety reasons unsuitable extinguishing agents: No extinguishing substances are determined.

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5.2 Special hazards arising from the substance or mixture

Thermal decomposition may release irritating and toxic gases and vapours.

Inhalation of hazardous decomposition products of burning may result in damaged health.

5.3 Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

According to size of fire.

Mouth respiratory protective device.

Wear fully protective suit.

Additional information:

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Respect the instructions set forth in Sections 7 and 8 of the safety data sheet.

For non-emergency personnel:

Ensure adequate ventilation.

Use personal protective equipment.

Avoid contact with eyes and skin.

Avoid breathing dust.

Avoid inhalation of vapors.

Prevent entry of unauthorised persons.

For emergency responders: See section 8 for suitable protective equipment and material specification.

6.2 Environmental precautions

No special measures required.

Do not allow to enter sewers/surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up

Pick up mechanically.

Any agglomerated particulate must be cleaned up with a water/alcohol solution no later than 12 hours following a discharge.

Protect health against exposure of contained substances from the atmosphere, see the limit values of exposure, which are stated in Section 8.

Thoroughly wash the affected spot and the tools used with a suitable detergent, it is possible to use a larger quantity of water.

The further disposal procedure is governed by the regulations in Section 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

In addition to the information provided in this section, important information is also provided in Sections 6 and 8.

Information about fire - and explosion protection:

Avoid contact with open flames, sparks or hot surfaces.

Respect general regulations on fire prevention.

Handling:

Before use, it is necessary to familiarize oneself with the contents of Sections 2, 6, 8, and 11 of the safety data sheet.

Ensure good ventilation and exhaustion.

Use personal protective equipment.

Avoid contact with eyes and skin.

Avoid long-term or intense skin contact.

Avoid inhalation of vapors.

Avoid inhalation of dust.

Observe directions on label and instructions for use.

General hygiene measures for the handling of chemicals are applicable.

Before a pause and after ending the work, wash the hands and take off the polluted working clothes. Keep these clothes separately.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Do not eat, drink, smoke, or snuff during use.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: Store product well closed and only in original packing.

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Information about storage in one common storage facility:

Keep away from food, drink and animal feedingstuffs.

Do not store together with incompatible materials, see subsection 10.5.

Further information about storage conditions:

Store in a dry and well ventilated place.

Avoid excessive heat.

Protect from humidity.

Maximum storage temperature: +75 °C.**Minimum storage temperature:** -50 °C.**7.3 Specific end use(s)** Specific use is stated in the manual for use on the product packaging label or in the product documentation.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs: No values available.**PNECs:** No values available.**Ingredients with biological limit values:**

The product does not contain any relevant quantities of materials with biological limit values.

Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****Appropriate engineering controls:** No further data; see section 7.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Immediately remove all soiled and contaminated clothing.

Do not inhale gases/fumes/aerosols.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Eye/face protection:

Not required during regular use.



Alternatively, use closed safety glasses (EN 166).

Body protection:

Not required during regular use.



Alternatively, use protective clothing.

Hand protection

Not required during regular use.



As needed, use protective gloves (EN ISO 374-1).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

No glove material recommended.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

Not determined.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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No tests have been performed, glove resistance must be tested before use.

Other: Not determined.**Respiratory protection:**

Unnecessary during regular use.



Alternatively, use an FFP2 class respirator.

Recommended filter device for short term use: Not determined.**Thermal hazards:**

If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Environmental exposure controls: Adhere to usual measures for environmental protection, see Section 6.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information**Physical state:**

Solid.

Colour:

Beige

Odour:

Light red.

No specific odour.

Melting point/freezing point:

Not determined.

Boiling point or initial boiling point and boiling range:

Not determined.

Flammability:

It is not flammable.

Lower and upper explosion limit**Lower:**

Not determined.

Upper:

Not determined.

Flash point:

Not applicable.

Auto-ignition temperature:

Not applicable.

Decomposition temperature:

Not determined.

pH:

Not determined.

Viscosity**Kinematic viscosity:**

Not applicable

Dynamic viscosity:

Not applicable

Solubility**water:**

< 1 %

Partition coefficient n-octanol/water (log value):

Not determined.

Vapour pressure:

Not applicable

Density and/or relative density**Density:**

Not determined

Relative density:

1.9

Vapour density:

Not determined.

Relative gas density:

Not determined.

Particle characteristics:

See section 3.

9.2 Other information

Important information on protection of health and environment, and on safety.

Ignition temperature:

Not applicable.

Explosive properties:

Product does not present an explosion hazard.

Solvent content**VOC (2010/75/EC):**

Not apply.

Oxidising properties:

Not determined.

Evaporation rate:

Not determined.

Relative evaporation rate:

Not apply.

Information with regard to physical hazard classes

Explosives:

Void.

Flammable gases:

Void.

Aerosols:

Void.

Oxidising gases:

Void.

Gases under pressure:

Void.

Flammable liquids:

Void.

Flammable solids:

Void.

Self-reactive substances and mixtures:

Void.

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Pyrophoric liquids:	Void.
Pyrophoric solids:	Void.
Self-heating substances and mixtures:	Void.
Substances and mixtures, which emit flammable gases in contact with water:	Void.
Oxidising liquids:	Void.
Oxidising solids:	Void.
Organic peroxides:	Void.
Corrosive to metals:	Void.
Desensitised explosives:	Void.
Additional information:	No relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity Upon adhering to the determined regulations of storage and use, no reactivity is expected (see Section 7).

10.2 Chemical stability Upon adhering to the determined regulations of storage and use, the product is stable (see Section 7).

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid

Prevent contact with incompatible materials.

Protect against open flames and ignition sources.

Protect against high temperatures.

10.5 Incompatible materials

Organic substances.

Metals in powder form.

Strong acids.

10.6 Hazardous decomposition products

No decomposition when used as directed.

Toxic gases/vapours.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

Relevant toxicological values for classification:

7757-79-1 Potassium nitrate

Oral	LD50	> 2,000 mg/kg (rat)
Dermal	LD50	> 5,000 mg/kg (rat)
Inhalative	LC50/4 h	> 0.527 mg/l (rat)

Primary irritant effect

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Subacute to chronic toxicity: Based on available data, the classification criteria are not met.

Additional toxicological information: No relevant information is available.

Acute effects: Serious eye irritation, Eye Irrit. category 2.

Repeated dose toxicity: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): No CMR effects are known.

11.2 Information on other hazards

Endocrine disrupting properties:

None of the ingredients is listed.

Other information: No other relevant information available on adverse effects on health.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Based on available data, the classification criteria are not met.

7757-79-1 Potassium nitrate

LC50/96 h	> 100 mg/l (fish)
EC50/48 h	490 mg/l (daphnia)
NOEC/32 d	157 mg/l (fish)

12.2 Persistence and degradability No further relevant information available.

Behaviour in waste water treatment plants: No relevant information is available.

12.3 Bioaccumulative potential Bioaccumulation is not expected.

Bioconcentration factor (BCF): No relevant information is available.

12.4 Mobility in soil The product is slightly soluble in water.

12.5 Results of PBT and vPvB assessment

The product does not contain substances classified as PBT or vPvB and included in the list of substances subject to authorization (Annex XIV of EP and C Regulation No 1907/2006, as amended).

PBT: No relevant information is available.

vPvB: No relevant information is available.

12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects No information available on other adverse effects on the environment.

Additional ecological information

AOX-indication: No relevant information is available.

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Must not be disposed together with household waste. Do not allow product to reach sewage system.

Remove product residues according to the corresponding local directives in the adequate equipment as hazardous waste.

Remove the remains of the product according to corresponding local directives in appropriate facilities, such as depositing on at suitable landfills.

Waste disposal key:

The catalogue numbers with the asterisk (*) mark hazardous waste (N), numbers without the asterisk mark other waste (O).

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC, 2014/955/EU).

European waste catalogue and hazardous properties of waste:

16 03 04	inorganic wastes other than those mentioned in 16 03 03
15 01 10*	packaging containing residues of or contaminated by hazardous substances
15 01 04	metallic packaging
HP13	Sensitising

Uncleaned packaging

Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Empty container completely.

Non contaminated packagings may be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the mixture.

Handover the emptied packaging to the authorised organisation, which has a licence for their disposal.

Regulations:

Commission Decision No 2014/955/EU of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council.

Commission Regulation (EU) No 1357/2014, replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives.

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Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, ADN, IMDG, IATA Void.

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void.

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class: Void.

14.4 Packing group

ADR, IMDG, IATA Void.

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

Transport/Additional information:

Non-dangerous material according to Transport Regulations.

UN "Model Regulation":

Void.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2004/42/EC of the European Parliament and the Council: Does not apply.

Named dangerous substances - ANNEX I: None of the ingredients is listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:

None of the ingredients is listed.

REGULATION (EU) 2019/1148:

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

7757-79-1 | Potassium nitrate

Regulation (EC) No 273/2004 on drug precursors:

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

None of the ingredients is listed.

Legal regulations of the European Community:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, as amended.

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC, as amended.

COMMISSION REGULATION (EU) amending for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures: 2016/918 (8. ATP from 1.2.2018), 2016/1179 (9. ATP from 1.3.2018), 2017/776 (10. ATP from 1.12.2018), 2018/669 (11. ATP from 1.12.2019), 2019/521 (12. ATP from 17.10.2020), 2018/1480 (13. ATP from 1.5.2020).

COMMISSION DELEGATED REGULATION (EU) amending for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures:

2020/217 (14. ATP from 1.10.2021), 2020/1182 (15. ATP from 1.3.2022), 2021/643 (16. ATP from 10.5.2021), 2021/849 (17. ATP from 17.12.2022), 2022/692 (18. ATP from 1.12.2023), 2023/1434 (19. ATP from 1.8.2023), 2023/1435 (20. ATP from 1.2.2025), 2024/197 (21. ATP from 1.9.2025).

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15.2 Chemical safety assessment A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Warning:

The safety data sheet contains data needed for securing safety and health protection during work and environmental protection. The stated data correspond to the current state of knowledge and experience and is in accordance with valid legal regulations. It cannot be deemed as a guarantee of the properties, suitability, and usefulness of the product for specific application and therefore no contractual legal relationships are hereby created.

The safety data sheet is the property of the physical or legal entity stated in Section 1 and is protected by copyright. All copying, distribution or sales without the consent of the owner is forbidden.

Relevant phrases:

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Training hints:

Before using, read the information on the product's packaging carefully.

Physical entities performed individual activities within the scope of handling of this hazardous product are trained and regularly, at least once a year, retrained.

Recommended restriction of use:

The product is to be used only for the purpose, for which it is designed. It is up to the user's responsibility to adhere to the product usage conditions and to respect the safety instructions for health and environmental protection.

Further information: This product must be stored, sold, and used in accordance with valid hygienic regulations.

Classification according to Regulation (EC) No 1272/2008:

Classification of the mixture according to the methods given in Annex I to Regulation (EC) No 1272/2008 (CLP): void.

Serious eye damage/irritation	Calculation method
Skin sensitisation	

Department issuing SDS:

Ing. Karel Královec, Studio2K, Czech Republic

Phone: +420 777 145 808, Email: info@studio2k.cz, Website: www.studio2k.cz / www.bezpecnostni-listy.eu

First issue of SDS: 13.04.2026**Internal code formula:** 1870.008**Documents used to prepare SDS:**

The original documents provided by the supplier or manufacturer related to the product (mixture), eventually to individual substances contained.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Information on data sources used in compiling the safety data sheet:

The safety data sheet was prepared in accordance with the European Parliament and Council Regulation (EC) No 1272/2008 (CLP) and according to the requirements of the European Parliament and Council Regulation (EC) No 1907/2006 about the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency - head IV, article 31, appendix II (instructions for safety data sheet compiling), as amended by the Commission Regulation (EU) No 2020/878 of 18 June 2020.

The missing ecotoxicology and toxicology data was obtained from the ESIS (European chemical Substances Information System), specifically from the IUCLID (International Uniform Chemical Information Database). As needed, data from further available chemical databases was used.

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Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31, Annex II
according to Regulation (EU) No 2020/878

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Trade name: ČERVINKA FIRE SWITCH

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End of safety data sheet!
