

Material Safety Data Sheet

According to Regulation No 1907/2006/EC – REACH, No. 2020/878 and No 1272/2008/EC - CLP

Date of revision: 06/02/2022 Version No: 7.0

Replaced version No: 6.1

| SECTION 1 | Identification of the substance/mixture and of the company/undertaking | | | | |
|--------------|---|--|--|--|--|
| 1.1 | #Product identifier | FOMATONER SEPIA Díl-Part A | | | |
| | Other name or labelling of product: | Not specified | | | |
| | #UFI | U030-H0PC-J00G-YT5C | | | |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | | | | |
| | Toner for brown toning of black and white photography | | | | |
| 1.3 | Details of the supplier of the safety data sheet | | | | |
| 1.3 | Supplier : Downstream User (Producer Mixture) | FOMA BOHEMIA spol. s r.o.(Ltd.) J. Krušinky 1737/6, 500 02 Hradec Králové tel: 495 733 111 | | | |
| | E-mail address and phone number | ilona.spackova@foma.cz +420495733368 | | | |
| 1.4 | Emergency telephone number | EU Poison Information Centres – see section 16 | | | |

| SECTION 2 | Hazards identification | | | |
|--|---|---|--|--|
| 2.1 # | Classification of the | substance or mixture | | |
| | | n No 1272/2008 – CLP) | | |
| | Eye Irrit.2;H319 | | | |
| | Aquatic Chronic 3;H412 | 2 | | |
| | Classification and full te | ext of H-statements, see section 16 | | |
| | The most important adverse physicochemical, human health and environmental effects: | | | |
| ι | Jpon contact with the e | eyes can cause irritation. Harmful to aquatic life with long lasting effects. | | |
| 2.2 # | Label elements (acco | ording to Regulation No 1272/2008/EC- CLP) | | |
| hazard pictogram | | 1 | | |
| signal word | | Warning | | |
| hazard | H319 | Causes serious eye irritation | | |
| statement(s) (H- H412 | | Harmful to aquatic life with long lasting effects | | |
| , EUH- phrases) | | | | |
| EUH032 Contact with acids liberates very toxic gas | | Contact with acids liberates very toxic gas | | |

| precautionary | P102 | Keep out of reach of children | | | |
|-----------------------------|---|---|--|--|--|
| statement P280 | | Wear protective gloves. | | | |
| (P- phrases) P305+P351+P338 | | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing | | | |
| | P337+P313 | If eye irritation persists: Get medical advice/ attention. | | | |
| P501 | | Dispose of contents/container to collecting place for dangerous waste in accordance with national regulations. | | | |
| | P273 | Avoid release to the environment | | | |
| 2.3 | Other hazards | | | | |
| | #The substance does not belong to the category of PBT, vPvB and are not included in the | | | | |
| | drawn up in accordan | nce with Article 59 (1) of REACH | | | |

| SECTION 3 | Composition/inform | omposition/information on ingredients | | | | |
|------------------------------------|---|--|------|--|--|--|
| 3.2 | #Mixtures | Mixtures | | | | |
| Folder name | e Identific | Identification number | | Classification | SCL, M, ATE, note | |
| Tripotassium hexacyanofe ate | | 13746-66-2 237-323-3 Not available Not available | <15 | # Eye Irrit2;H319 Aquatic Chronic 2;H411 | For substance there are Union workplace exposure limits – see to 8.1 | |
| Potassium bromide | CAS number ES number Index number Registration number | 7758-02-3 231-830-3 Not available 01-2119962195-33- 0001 | < 15 | Eye Irrit.2;H319 | Not available | |

Solution

(Full text H-phrases... section 16)

| SECTION 4 | First aid measures | | |
|-----------|--|--|--|
| 4.1 | Description of first aid measures | | |
| | Prompt medical help is necessary if in eyes. | | |
| | After contact with skin : To take off immediately all contaminated clothing. Wash affected area thoroughly with water | | |
| | Eye Contact : Remove any contact lenses and wash eyes with plenty of water as soon as possible. If necessary, use force to open tightly closed eyelids. Take care not to rinse contaminated water into the non-affected eye. Do not neutralize. Seek medical help. | | |
| | Exposure by inhalation : Remove patient to fresh air; to get medical advice if affected person feels unwell. | | |
| | Ingestion: Affected person calm, clear water rinse. Place to drink a glass (about 0.25-0,5 litre) of lukewarm water. Do not induce vomiting . If affected person vomit spontaneously, control to prevent inhalation of vomit. Do not administer activated charcoal, and no neutralizing agent. Call a physician or transport the affected person to a doctor. | | |
| | #Personal protective equipment for first aid responders: In possible exposition is recommended using of personal protective equipments in accordance with section 8 | | |
| 4.2 | Most important symptoms and effects, both acute and delayed | | |

| | #Causes eye irritation in case of immediate contact. Vomiting, diarrhoea,damage od tooth enamel,dermatologic trouble, other information see to section 11 |
|-----|---|
| 4.3 | Indication of any immediate medical attention and special treatment needed |
| | Specific instruction is not known, symptomatic medical treatment |

| SECTION 5 | Firefighting measures | | | | |
|--------------|--|--|--|--|--|
| 5.1 | Extinguishing media | | | | |
| | The product (liquid solution) is not flammable. Extinguishing agents adapt burning nearby. | | | | |
| | Inappropriate extinguishing media: N.a. | | | | |
| F 2 | Special hazards arising from the substance or mixture | | | | |
| 5.2 | #Not known. – inflammable water solution. In fire is possible development of dangerous products decomposition- toxic gas | | | | |
| 5.3 | Advice for firefighters | | | | |
| | #Due to possible decomposition products see 5.2 and 10.6 it is necessary to use special breathing technique, chemical suit | | | | |

| SECTION 6 | Accidental release measures | | | |
|--------------|---|--|--|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | | | |
| | Take persons not participating in removing the consequences of the accident out of reach. Ventilate enclosed spaces. Use the prescribed personal protective equipment when removing the consequences of the accident. Use breathing apparatus and complete protective suit when working on the disposal of the accident. Smoking and manipulation with open fire is prohibited. | | | |
| 6.2 | Environmental precautions | | | |
| | Do not allow substance to enter soil, sewage system, surface and groundwater. | | | |
| 6.3 | Methods and material for containment and cleaning up | | | |
| | Let soak it to inert absorption products. Rinse the affected area thoroughly with water. Small leak strongly dilute with water. | | | |
| 6.4 | Reference to other sections | | | |
| | #See sections 8 and 13 | | | |

| SECTION 7 | Handling and storage | | | |
|--------------|---|--|--|--|
| 7.1 | Precautions for safe handling | | | |
| | Follow the safety rules while working. Wear recommended personal protective equipment. Avoid contact with eyes. Eating, drinking, smoking, working with burning materials and open fire is prohibited while working. Equipment must contain fire extinguishers in enclosed areas, ventilation must be ensured naturally or mechanically in enclosed spaces. Workplaces must be kept clean and escape routes must remain free. | | | |
| 7.2 | Conditions for safe storage, including any incompatibilities | | | |
| | Store in original PE containers in a cool, dry and well ventilated place. Containers should be stored separately from food. The working solution must be prepared according to the instructions. | | | |

| 7.3 | Specific end use(s) |
|-----|---------------------------------------|
| | See in 1.2 Other uses – not available |

| SECTION 8 | Exposure controls/personal protection | | | | | | |
|--------------|---|----------------|-----------|--------------------------|--------------------------------------|----------------|-----------------------------|
| 8.1 | Control parameters | | | | | | |
| | International limit | values for c | hemical a | agents (Occ | upational ex | posure limits | , OELs): |
| | Tripotassium hexacyanoferrate (Potassium ferricyanide Limit value - Eight hours | | | Limit value - Short term | | | |
| | Latvia | ppm | | mg/m³ 4 | PΙ | om | mg/m³ |
| | | | | • | | | |
| | Laying down limit | | | _ | | | nits, OELs) – not available |
| | Potassium bromide DNELs | 14 | <u></u> | <u></u> | | | |
| | | | | Consumers | | | |
| | Route of exposure | | | Chronic effect | | | |
| | Inhalation | | | 6.9x10 ⁻⁹ mg/ | | | |
| | Dermal | | | 1.4 mg/kg by | v/day | | |
| | PNECs | | | | DNEO | | |
| | Environmental protect | ction target | | | PNEC | | |
| | Fresh water | <u> </u> | | | 0.0147 mg/L | | |
| | Freshwater sedimen | ts | | | 0.67mg/kg sediment dw 0.0015 mg/L | | |
| | Marine water | aucas trootmo | nt | | | <u></u> | |
| | Microorganisms in sewage treatment | | | 0.002mg/L | andiment du | | |
| | Soil (agricultural) 0.08 mg/kg sediment dw | | | | | | |
| | Tripotassium hexacyanoferrate* DNELs | | | | | | |
| | | | Workers | | | Consumers | |
| | Route of exposure | | | effects system | ic | Chronic effect | |
| | Dermal | 9 mg/kg bw/day | | 4.5 mg/kg bw/day | | | |
| | Oral | Not available | | 4.5 mg/kg bw/day | | | |
| | PNECs Equironmental protection target DNEC | | | | | | |
| | Environmental protection target | | | PNEC | | | |
| | Fresh water Marine water | | | | 59 μg/L 5.9 μg/L | | |
| | Microorganisms in sewage treatment | | | 100 mg/L | | | |
| | *source : substance Brief Profile: http://echa.europa.eu/ | | | | | | |
| 8.2 | #Exposure controls | | | | | | |
| | Individual protection measures, incl. protective equipment | | | | | | |
| | Technical measures : Working with a local source of suction and running water for the irrigation needs of the eyes, wash your hands or contaminated parts of the skin. | | | | | | |
| | Tightly closed containers and equipment, natural and mechanical ventilation. Do not allow product to the eyes, mouth, inhalation, skin contact. Do not eat, drink or smoke. Avoid contact with food substances and drinks. After work wash hands with soap and water. Alternatively, take off contaminated clothing | | | | | | |
| | Respiratory protection: During normal handling is not required. | | | | | | |

#Hand protection: Hand protection: If contact with hand is pissible, there is recommended using of work glowes (EN 374 and EN 420), for examples KCL740/741 Dermatril- nitrile rubber, layer thickness 0,11 mm, breakthroug-time >480 min, KCL lapren 706-natural rubber, layer thickness 0,6 mm, breakthroug-time >480 min

#Eye protection: Safety glasses/ safety shield (EN166)

Skin protection: not required, recommended long- sleeved protective work clothing

Environmental exposure: Secure the spaces against the leakage into watercourses, soil and sewage system.

| SECTION 9 | #Physical and chemical properties | | | | |
|--------------|---|--|--|--|--|
| 9.1 | Information on basic physical and chemical properties | | | | |
| | Appearance | brown-orange liquid | | | |
| | Odour | nonspecific | | | |
| | рН | 5.8-6.2 | | | |
| | Melting point/freezing point | about 0 ° C | | | |
| | Initial boiling point and boiling range | about 100 ° C | | | |
| | Flash point | Non-flammable - aqueous solution | | | |
| | Flammability | Inflammable | | | |
| | Upper/lower flammability or explosive limits | Irrelevant- flammable liquid | | | |
| | Vapour pressure | <20 mbar | | | |
| | Relative vapour density | Information is not available | | | |
| | Oxidising properties | No | | | |
| | Absolute density | 1.15 g/cm ³ | | | |
| | Solubility – water | Water solution- full blended | | | |
| | Partition coefficient: n-octanol/water | Irrelevant | | | |
| | Auto-ignition temperature | Water solution- no self -ignition | | | |
| | Decomposition temperature | Not determined for the mixture, Tripotassium hexacyanoferrate - decomposition from 400 ° C | | | |
| | Kinematic viscosity; | Information is not available | | | |
| | Explosive properties | No explosive properties | | | |
| | Particle characteristics | Irrelevant | | | |
| 9.2 | Other information | Not specified | | | |

| SECTION 10 | Stability and reactivity |
|---------------|---|
| 10.1 | Reactivity |
| | Under normal conditions the product is stable |
| 10.2 | Chemical stability |

| | Under normal conditions the product is stable |
|------|---|
| 10.3 | Possibility of hazardous reactions |
| | Not known |
| 10.4 | Conditions to avoid |
| | Under normal conditions the product is stable. Protect from long time effect of sunshine and heat - may causes destructions the mixture |
| 10.5 | Incompatible materials |
| | Strong mineral acids |
| 10.6 | Hazardous Decomposition Products |
| | N.a. The product is about 15% solution; during reaction with acid decomposition of Tripotassium hexacyanoferrate and liberating of hydrogen cyanide is not supposed |

| SECTION 11 | Toxicological informat | tion |
|-----------------------------|-----------------------------|---|
| 11.1 # | Information on hazard | classes as defined in Regulation (EC) No 1272/2008 |
| Acute toxicit | у | Based on available data, the criteria for this classification are not match up Toxic effects are not expected under normal conditions use of product |
| | | #Tripotassium hexycyanoferrate LD50/oral/rat: 5110 mg/kg bw (OECD 401) LD50/dermal/rat: >2000 mg/kg bw (OECD (OECD 402) |
| | | Potassium bromide LD50 / oral /rat : >2000 mg/kg LD50 / dermal/ rabbit: >2000 mg/kg |
| Skin corrosi | on/irritation | Based on available data, the criteria for this classification are not match up |
| Serious eye | damage/eye irritation | May cause serious eye irritation. |
| Respiratory sensibilisation | sensibilisation/ skin on | Based on available data, the criteria for this classification are not match up In sensitive persons case may cause an allergic reaction through prolonged or repeated exposure. This effect isn't reason for classification |
| Germ cell m | utagenicity | Based on available data, the criteria for this classification are not match up The substance has no mutagenic effects |
| Carcinogeni | city | Based on available data, the criteria for this classification are not match up The substance has no carcinogenic effects |
| Reproductive toxicity | | Based on available data, the criteria for this classification are not match up |
| | | There isn't precondition for reproductive toxicity |
| Specific target organ tox | | Based on available data, the criteria for this classification are not match up |
| single expos | sure | There isn't precondition for organ toxicity through single exposure |
| | rget organ toxicity — | Based on available data, the criteria for this classification are not match up |
| repeated ex | posure | There isn't precondition for organ toxicity through repeated exposure |
| Aspiration h | azard | Based on available data, the criteria for this classification are not match up Aspiration hazard are not expected under normal conditions use of product |
| Likely routes | s of exposure and sympto | oms related to the physical, chemical and toxicological characteristics: |
| | · | cted under normal using and observing the hygienic regulations |
| Toxicity oral | . (ingestion / swallowing) | : |

In ingestion may causes upper aitways irritation and digestive tract damage- a stomach ache, womiting, diarrhoea

Toxicity inhal. (inhalation):

Not expected under normal use

Toxicity dermal:

Not expected under normal use

Eye Contact:

Causes serious eye irritation in case of contact with eyes.

Immediate, delayed and chronic effects of short and long term exposure:Not available. The effects through prolonged or repeated exposure- see above .

11.2. Information on other hazards

Not specified

| SECTION | Ecological information | |
|---------|---|--|
| 12 | | |
| 12.1 | Toxicity | |
| | #Not determined for the mixture. Based on the calculation, it is classified as harmful to aquatic organisms, with long-term effects | |
| | Tripotassium hexycyanoferrate LC50/ freshwater fish (Pimephales promelas)/96 hr: >100 mg/L | |
| | *source: http://echa.europa.eu/ - Brief profile | |
| 12.2 | Persistence and degradability | |
| | # Information available for the mixture -irrelevant (inorganic substances) | |
| 12.3 | Bioaccumulative potential | |
| | #Information for the mixture is not available. Ingredients have no bioaccumulation potential - bioaccumulation potential is not expected. | |
| 12.4 | Mobility in soil | |
| 12.7 | Information for the mixture is not available, the product is soluble in water | |
| 12.5 | Results of PBT and vPvB assessment | |
| 12.3 | Information for mixture isn't available. Substances are not identified as a PBT or vPvB | |
| 12.6. | #Endocrine disrupting properties | |
| | The mixture doesn't contein endocrine disrupting substances | |
| 12.7 | Other adverse effects | |
| | #Not known. | |

| SECTION | Disposal considerations |
|---------|-------------------------|
| 13 | |

| 13.1 | Waste treatment methods | |
|------|---|--|
| | Code and type of waste | 09 01 01* – aqueous developer solutions |
| | | 20 01 17*- Photochemicals |
| | | 15 01 10 * - packaging containing residues of hazardous substances |
| | The recommended method of disposal of the substance/ preparation: | |
| | # Physical / chemical properties that may affect waste management | Labeling according to Annex III of Directive 2008/98 / EC: HP4-Irritant – skin irritation and eye damage HP14 Ecotoxic |
| | The recommended method of disposal of contaminated product packaging: | 9, 11 |
| | Waste legislation | Directive No. 2008/98/ES |

| SECTION | Transport information |
|---------|-----------------------|
| 14 | |

 $Land\ transport\ (road\ /\ rail)\ \ ADR/RID\ ,\ Maritime\ transport\ IMDG,\ Air\ transport\ ICAO-TI\ and\ IATA-DGR:$

For the transport of the product **is not** classified as a dangerous thing (goods).

| 14.1 | UN number or ID number | Not applicable |
|------|---|-------------------|
| 14.2 | UN proper shipping name | Not applicable |
| 14.3 | Transport hazard class(es) | Not applicable |
| 14.4 | Packing group | Not applicable |
| | Labels | |
| 14.5 | Environmental hazard | See to section 12 |
| | Marine pollutant | Not |
| 14.6 | Special precautions for user | See to section 8 |
| 14.7 | Maritime transport in bulk according to IMO instruments | Not applicable |

| SECTION 15 | Regulatory information |
|---------------|--|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture |
| | Regulation (EC) No 1907/2006, registration, evaluation, authorisation, restriction chemicals (REACH) |
| | # Regulation (EC) No 2020/878, Commission Regulation (EU) 2015/830 of 28 May 2015 amending |
| | Regulation (EC) No 1907/2006 |
| | Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, |
| | labelling and packaging of substances and mixtures |

| 15.2 | Chemical safety assessment The chemical safety assessment for the product was not made. |
|------|---|
| | Decree No. 381/2001 Coll. Establishing the Waste Catalogue. Government Regulation No. 361/2007 Coll. On the health conditions of workers at work European Agreement concerning the international carriage of dangerous goods (ADR) International Maritime Dangerous Goods Code (IMDG Code) IATA Dangerous Goods Regulations (DGR) |

| 16 | |
|------------------------|--|
| Abbreviations, symbols | |
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic (Category 2) |
| Aquatic Chronic3 | Hazardous to the aquatic environment, chronic (Category 3) |
| Eye Irrit.2 | Serious eye irritation (Cat. 2) |

CLP: Regulation (EC) č.1272/2008

SECTION Other information

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

SVHC: Substance of very high concerns PBT: Persistent, bioaccumulative and toxic vPvB:(very) Persistent, (very) Bioaccumulative

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

ICAO: International Civil Aviation Organisation

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level

PNEC: Predicted No-Effect Concentration LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EC50: Median Effective Concentration

LOAEL: Lowest observed adverse effect level NOAEL: No Observed Adverse Effect Level NOEC: No Observed Effect Concentration

bw: body weight dw: dry weight N.a.: not available

#ATE: Acute Toxicity Estimate #SCL: Specific Concentration Limit

| | for the processing of safety data sheet rided by the producer- Material Safety Data Sheets (MSDS) for chemical substances, |
|------------------|--|
| | se (www.gduv.de), European Chemicals Agency http://echa.europa.eu/ |
| Classification (| according to Regulation No 1272/2008 - CLP): calculation method |
| H-phrases: | |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| H319 | Causes serious eye irritation |

Workers coming into contact with hazardous chemicals or products must have access to data which are presented in this MSDS and be familiar with them clearly.

Person transporting hazardous chemicals and preparations must be familiar with guidelines for emergency response in accordance with regulations on hazardous goods within the meaning of ADR / RID.

The information contained in this MSDS are currently valid data and best practices for use and handling of this substance under normal conditions. Any other use or handling of this mixture which is not consistent with those of MSDS excludes the responsibility for defects, more precisely for damage for which the producer, importer or retailer would be otherwise responsible.

EU Poison Information Centres

| Country | Poison Centre | Tel number 24hour every day/ other time |
|------------|---|---|
| Austria | Poison Information Center/Vergiftungsinformationszentrale | + 43 1 406 43 43 |
| Belgium | Cente Antipoisons-Antigifcentrum center | +32 70 245 245 |
| Bulgaria | National Toxicology Information center- Hospital for Active Medical Treatment and Emergency Medicine 'N.I.Pirigov', Sofia | +359 2 9154 409 |
| Croatia | Poison Information Center/ Centar za kontrolu otrovanja | +385 1 2348 342 |
| Denmark | Poison Center Hotline | +45 82 12 12 12 |
| Estonia | Poisoning centre Hotline Mürgistusinfo | +372 16662 |
| Finland | Poison Information Centre | +358 9 471977 |
| France | Centre Antipoison et de Toxicovigilance de Paris | +33 1 40 05 48 48 |
| Germany | Poison Information Centre in Berlin | +49 30 192 40 |
| Greece | Poison Information Centre | +30 2107793777 |
| Iceland | Poisons Information Center (Eitrunarmiðstöð) | +354 543 2222 |
| Ireland | National Poisons Information Centre | +353 1 809 2566 |
| Hungary | Poison Information Service (National Institute for chemical safety) Információszolgáltatás akut mérgezés eseén) | +36 80 201 199 |
| Italy | Poisons Center CAV-Centro Antiveleni Roma | +39 06 68593726, +39 06 3054343, +39 06 49978000 |
| Latvia | Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs | +371 67042473 |
| Lithuania | Poison Information Bureau -PIB | +370 8-5 236 20 52 |
| Luxembourg | Belgian Poison Center | +352 8002 5500 |

| Country | Poison Centre | Tel number 24hour every day/ other time |
|----------------|--|--|
| Netherlands | National Poisons Information Center (nationaal vergiftigingen Informatie centrum,NVIC) | +031 (0) 30 274 8888 |
| Norway | Poison center (Giftinformasjonen) | +47 22 59 13 00 |
| Poland | National Poisons Information Centre Lodz | +48 42 63 14 724 |
| Portugal | Centro de Informação Antivenenos | +351 808 250 143 |
| Romania | National ilstitute for Public Health (Centrum National de Informare Toxicologica) | +40 21 318 36 06 |
| Slovakia | National Toxicological Information Centre (Národné toxikologické informačné centrum | +421 2 54 774 166 |
| Spain | Toxicological Information Service (Servicio de Información toxicologica) | +34 91 562 04 20 |
| Sweden | Giftinformationscentralen (Swedish poisons Information Centre) | 112/ mon-fri 9.00-17.00 +46 10 456 6700 |
| Switzerland | The Swiss Toxicological Information Centre (STIC) | 145 |
| United Kingdom | National Poisons Information Service -NPIS(Birmingham) | England, Wales, Scotland 111 |
| Turkey | Toxicolog Department and Poisons Centre | + 90 0312 433 7001,+90 0800 314 7900 |

Revised safety data sheet:

version 7.0 – format change safe sheet according to Regulation (EU) No. 2020/878, change of classification of potassium ferricyanide, change of classification and labeling of the mixture and general revision of the text and data. Changes to the document are marked with the symbol: #