

Name of the Product **Heart Infusion Powder**

Code No. BA2191

Section 1 : Chemical Identification

> Code No. BA2191

Name of the Product **Heart Infusion Powder** Produced by Central Drug House Pvt. Ltd.

Address 7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)

Tel No 00 91 11 49404040

| Section 2 | Hazards Identification | | | | |
|-----------|--|--|--|--|--|
| | 2.1 | Classification of the substance or mixture | | | |
| | | Classification acc. to GHS | | | |
| | | This substance does not meet the criteria for classification. | | | |
| | 2.2 | Label elements | | | |
| | | Labelling | | | |
| | | not required | | | |
| | 2.3 | Other hazards | | | |
| | | Results of PBT and vPvB assessment | | | |
| | | According to the results of its assessment, this substance is not a PBT or a vPvB. | | | |
| | | Endocrine disrupting properties | | | |
| | | Does not contain an endocrine disruptor (ED) at a concentration of \geq 0,1%. | | | |
| Section 3 | Composition/Information On Ingredients | | | | |
| | 3.1 | Substances | | | |

Name of substance Heart Infusion Powder

Section 4 First - Aid Measures

4.1 **Description of first aid measures**

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh

Following skin contact

Brush off loose particles from skin. Rinse skin with water/shower.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed



| Section 5 | Fire Fighting Measures | | | | | |
|-----------|-------------------------|--|--|--|--|--|
| | 5.1 Extinguishing media | | | | | |
| | S | Guitable extinguishing media | | | | |
| | V | Vater, Foam, ABC-powder | | | | |
| | | Insuitable extinguishing media | | | | |
| | | Vater jet | | | | |
| | | pecial hazards arising from the substance or mixture | | | | |
| | | Hazardous combustion products | | | | |
| | | Carbon monoxide (CO), Carbon dioxide (CO2) | | | | |
| | | Advice for firefighters | | | | |
| | | n case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire | | | | |
| | S | surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated | | | | |
| | | irefighting water separately. | | | | |
| | F | Fight fire with normal precautions from a reasonable distance. | | | | |
| Section 6 | Accident | al Release Measures | | | | |
| <u> </u> | Accident | ui Neicuse Meusures | | | | |
| | 6.1 P | Personal precautions, protective equipment and emergency procedures | | | | |
| | F | or non-emergency personnel | | | | |
| | R | Remove persons to safety. | | | | |
| | F | or emergency responders | | | | |
| | V | Wear breathing apparatus if exposed to vapours/dust/spray/gases. | | | | |
| | | | | | | |
| | | invironmental precautions | | | | |
| | | eep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. | | | | |
| | P | revent further leakage or spillage if safe to do so. No special environmental precautions required. | | | | |
| | 6.3 N | Nethods and material for containment and cleaning up | | | | |
| | | Advice on how to contain a spill | | | | |
| | | Covering of drains, Take up mechanically | | | | |
| | | Advice on how to clean up a spill | | | | |
| | | ake up mechanically. | | | | |
| | | Other information relating to spills and releases | | | | |
| | | Place in appropriate containers for disposal. Ventilate affected area. | | | | |
| | | | | | | |
| | _ | Reference to other sections Hazardous combustion products: see section 5. Personal protective equipment: see section 8. | | | | |
| | | scompatible materi- als: see section 10. Disposal considerations: see section 13. | | | | |
| | "' | compatible materi- als. see section 10. Disposal considerations, see section 15. | | | | |
| Section 7 | Handling and Storage | | | | | |
| | 7.1 P | Precautions for safe handling | | | | |
| | R | Recommendations | | | | |
| | - | Measures to prevent fire as well as aerosol and dust generation | | | | |
| | | Use local and general ventilation. Take precautionary measures against static discharge. Use only in well- | | | | |
| | | ventilated areas. Ground/bond container and receiving equipment. | | | | |
| | | Specific notes/details | | | | |
| | | Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered | | | | |
| | | form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust | | | | |
| | | explosion. | | | | |
| | | Advice on general occupational hygiene | | | | |
| | | Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and | | | | |
| | | protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. | | | | |
| | | Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs. | | | | |
| | | | | | | |



7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Removal of dust deposits.

- Ventilation requirements

Use local and general ventilation.Specific designs for storage rooms or vessels

- Storage temperature

Recommended storage temperature: 10 - 30 °C

7.3 Specific end use(s)

See section 16 for a general overview.

Section 8 Exposure Controls / Personal Protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

| Coun- try | Name of agent | CAS No | Identi- fier | | STEL [ppm] | STEL [mg/ms] | Ceiling-C [ppm] | Ceiling-C [mg/ms] | Nota- tion | Source |
|--------------|---------------|--------|-----------------|----|---------------|-----------------|--------------------|----------------------|---------------|---------------|
| GB | dust | | WEL | 10 | | | | | i | EH40/ 2005 |
| GB | dust | | WEL | 4 | | | | | r | EH40/ 2005 |

Notation

Ceiling-C ceiling value is a limit value above which exposure should

not occur i inhalable fraction

r respirable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-

minute peri- od (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8

hours time-weighted average (unless otherwise specified)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear protective gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

Particulate filter device (EN 143).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.



| | l and Chemical Properties | |
|-----|--|---|
| 9.1 | Information on basic physical and chemical properties | |
| | Physical state | solid (powder) |
| | Colour | Light yellow to brownish yellow coloured homogenous free flowing powder |
| | Odour | Characteristic odour but not putrescent |
| | Melting point/freezing point | not determined |
| | Boiling point or initial boiling point and boiling range | not determined |
| | Flammability | non-combustible |
| | Lower and upper explosion limit | not relevant (solid) |
| | Flash point | not applicable |
| | Auto-ignition temperature | not determined |
| | Decomposition temperature | not relevant |
| | pH (value) | 6.7 – 7.1 |
| | Kinematic viscosity | not relevant |
| | Solubility (ies) | not determined |
| | Partition coefficient | |
| | Partition coefficient n-octanol/water (log value) | this information is not available |
| | Vapour pressure | not determined |
| | Density and/or relative density | |
| | Density | not determined |
| | Relative vapour density | not relevant (solid) |
| | Particle characteristics | no data available |
| 9.2 | Other information | |
| | Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
| | | |



| Section 10 | Stability and Reactivity |
|------------|---|
| | 10.1 Reactivity Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". |
| | 10.2 Chemical stability The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. |
| | 10.3 Possibility of hazardous reactions No known hazardous reactions. |
| | 10.4 Conditions to avoid |
| | There are no specific conditions known which have to be avoided. |
| | Hints to prevent fire or explosion |
| | The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion. |
| | 10.5 Incompatible materials Oxidisers |
| | 10.6 Hazardous decomposition products Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5. |
| Section 11 | Toxicological Information |
| | 11.1 Information on toxicological effects Classification acc. to GHS This substance does not meet the criteria for classification. Acute toxicity |
| | |
| | Shall not be classified as acutely toxic. |
| | Skin corrosion/irritation |
| | Shall not be classified as corrosive/irritant to skin. |
| | Serious eye damage/eye irritation |
| | Shall not be classified as seriously damaging to the eye or eye irritant. |
| | Respiratory or skin sensitisation |
| | Shall not be classified as a respiratory or skin sensitiser. |
| | Germ cell mutagenicity |
| | Shall not be classified as germ cell mutagenic. |
| | Carcinogenicity |
| | Shall not be classified as carcinogenic. |
| | Reproductive toxicity |



| - | 1 | | | | | | |
|------------|---|---|--------------------------------------|--|--|--|--|
| | | Shall not be classified as a reproductive toxic | ant. | | | | |
| | | Specific target organ toxicity - single exposu | e | | | | |
| | | Shall not be classified as a specific target org | an toxicant (single exposure). | | | | |
| | | Specific target organ toxicity - repeated expe | | | | | |
| | | Shall not be classified as a specific target org | | | | | |
| | | Aspiration hazard | an toxicant (repeated exposure). | | | | |
| | | Shall not be classified as presenting an aspira | ation hazard | | | | |
| | 44.3 | | tion nazaru. | | | | |
| | 11.2 | Information on other hazards There is no additional information. | | | | | |
| | | mere is no additional information. | | | | | |
| Section 12 | Ecolog | rical Information | | | | | |
| | 12.1 | Toxicity | | | | | |
| | | Shall not be classified as hazardous to the ac | uatic environment. | | | | |
| | 12.2 | Persistence and degradability | | | | | |
| | | Data are not available. | | | | | |
| | 12.3 | Bioaccumulative potential Data are not available. | | | | | |
| | 40.4 | | | | | | |
| | 12.4 | Mobility in soil Data are not available. | | | | | |
| | 12.5 | Results of PBT and vPvB assessment | | | | | |
| | 12.5 | According to the results of its assessment, the | is substance is not a PBT or a vPvB. | | | | |
| | 12.6 | Endocrine disrupting properties | | | | | |
| | 12.0 | Does not contain an endocrine disruptor (ED | at a concentration of ≥ 0,1%. | | | | |
| | 12.7 | Other adverse effects | | | | | |
| | | Data are not available. | | | | | |
| Costian 12 | <u> </u> | | | | | | |
| Section 13 | Dispos 13.1 | sal Considerations Waste treatment methods | | | | | |
| | 13.1 | Sewage disposal-relevant information | | | | | |
| | Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets. | | | | | | |
| | Waste treatment of containers/packagings Completely emptied packages can be recycled. Handle contaminated packages in the same way as the | | | | | | |
| | substance it- self. Remarks | | | | | | |
| | Please consider the relevant national or regional provisions. Waste shall be separated into the categories the | | | | | | |
| | can be handled separately by the local or national waste management facilities. | | | | | | |
| Section 14 | Trans | oort Information | | | | | |
| | 14.1 | UN number or ID number | not subject to transport regulations | | | | |
| | 14.2 | UN proper shipping name | not relevant | | | | |
| | 14.3 | Transport hazard class (es) | none | | | | |



| | 14.4 | Packing group | not assigned |
|------------|---------|--|---|
| | 14.5 | Environmental hazards | non-environmentally hazardous acc. to the dan- gerous goods regulations |
| | 14.6 | Special precautions for user | |
| | | There is no additional information. | |
| | 14.7 | Maritime transport in bulk according to IMO instruments | |
| | | The cargo is not intended to be carried in bulk. Information for each of the UN Model Regulations | |
| | | International Maritime Dangerous Goods Code (IMDG) - Additional | al information |
| | | Not subject to IMDG. | |
| | | International Civil Aviation Organization (ICAO-IATA/DGR) - Additi | onal information |
| | | Not subject to ICAO-IATA. | |
| Section 15 | Regulat | ory Information | |
| | 15.1 | Safety, health and environmental regulations/legislation specific European Union (EU) Deco-Paint Directive | for the substance or mixture Relevant provisions of the |
| | | VOC content | 0% |
| | | Industrial Emissions Directive (IED) | |
| | | VOC content | 0 % |
| | | Directive on the restriction of the use of certain hazardous substa | ances in electrical and electronic equipment (RoHS) |
| | | not listed | |
| | | Regulation concerning the establishment of a European Pollutant | Release and Transfer Register (PRTR) |
| | | not listed | |
| | | Water Framework Directive (WFD) | |
| | | not listed | |
| | | Regulation on persistent organic pollutants (POP) | |
| | | not listed | |
| | | National regulations (GB) | |
| | | List of substances subject to authorisation (GB REACH, Annex 14) / | SVHC - candidate list |
| | | not listed | |
| | | Restrictions according to GB REACH, Annex 17 | |
| | | not listed | |
| | 15.2 | Chemical safety assessment | |
| | | No Chemical Safety Assessment has been carried out for the | his substance. |
| | | | |



| Section 16 | Other Information | | | | | |
|------------|----------------------------|---|--|--|--|--|
| | Abbreviations and acronyms | | | | | |
| | Abbr. | Descriptions of used abbreviations | | | | |
| | ADR | Accord relatif au transport international des marchandises dangereuses par route (Agreement concern- ing the International Carriage of Dangerous Goods by Road) | | | | |
| | CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) | | | | |
| | Ceiling-C | Ceiling value | | | | |
| | Abbr. | Descriptions of used abbreviations | | | | |
| | DGR | Dangerous Goods Regulations (see IATA/DGR) | | | | |
| | ED | Endocrine disruptor | | | | |
| | EH40/2005 | EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open- government-li- cence/) | | | | |
| | GB REACH | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended) | | | | |
| | GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Na- tions | | | | |
| | IATA | International Air Transport Association | | | | |
| | IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) | | | | |
| | ICAO | International Civil Aviation Organization | | | | |
| | IMDG | International Maritime Dangerous Goods Code | | | | |
| | PBT | Persistent, Bioaccumulative and Toxic | | | | |
| | ppm | Parts per million | | | | |
| | REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals | | | | |
| | RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regula- tions concerning the International carriage of Dangerous goods by Rai | | | | |
| | STEL | Short-term exposure limit | | | | |
| | TWA | Time-weighted average | | | | |
| | VOC | Volatile Organic Compounds | | | | |
| | vPvB | Very Persistent and very Bioaccumulative | | | | |
| | WEL | Workplace exposure limit | | | | |

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Further Information

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