

Name of the Product Liver Infusion Powder

Code No. BA2022

Section 1 : Chemical Identification

Code No. : BA2022

Name of the Product : **Liver 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

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 Liver 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 air. 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 immediate medical attention and special treatment needed

none

Section 5 Fire Fighting Measures



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5.1	Extinguishing media
	Suitable extinguishing media
	Water, Foam, ABC-powder
	Unsuitable extinguishing media
	Water jet
5.2	Special hazards arising from the substance or mixture
	Deposited combustible dust has considerable explosion potential.
	Hazardous combustion products
	Carbon monoxide (CO), Carbon dioxide (CO2)
5.3	Advice for fire fighters
	In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire
	surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately.
	Fight fire with normal precautions from a reasonable distance.
Acciden	tal Release Measures
61	Personal precautions, protective equipment and emergency procedures
0.1	For non-emergency personnel
	Remove persons to safety.
	For emergency responders
	Wear breathing apparatus if exposed to vapours/dust/spray/gases.
	wear breathing apparatus in exposed to vapours/dust/spray/gases.
6.2	Environmental precautions
	Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.
6.3	Methods and materials 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 Take up mechanically.
	Other information relating to spills and releases
	Place in appropriate containers for disposal. Ventilate affected area.
6.4	Reference to other sections
	Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible
	materi- als: see section 10. Disposal considerations: see section 13.
Handling	g and Storage
7.1	Precautions for safe handling
	Recommendations Magazines to provent fire as well as acrossly and dust generation
	 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
	5.2 5.3 Acciden 6.1 6.2 6.3



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 uses

See section 16 for a general overview .

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identi- fier	TWA [mg/ms]		Ceiling-C [mg/ms]		Source
GB	dust		WEL	10				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 conta water.	mination.	Keep away from drains, surface and ground				
ection 9	Physical and Chemical Properties							
	9.1	Information on basic physical and chemical properties						
		Physical state	solid (powder)				
		Colour		ish yellow to brown Homogenous flowing powder				
		Odour	Chara	cteristic odour but not putrescent				
		Melting point/freezing point	not de	etermined				
		Boiling point or initial boiling point and boiling range	not de	etermined				
		Flammability	not re	levant				
		Lower and upper explosion limit	not re	levant (solid)				
		Flash point	not ap	pplicable				
		Auto-ignition temperature	not de	etermined				
		Decomposition temperature	not re	levant				
		pH (value)	6-7					
		Kinematic viscosity	not re	levant				
		Solubility(ies) Partition coefficient	not de	etermined				
		Partition coefficient n-octanol/water (log	value)	this information is not available				
		Vapour pressure ensity and/or relative density		not determined				
		Density		not determined				
		Relative vapour density		not relevant (solid)				
		Particle characteristics		no data available				



	9.2 Other safety information				
		hazard classes acc. to GHS (physical hazards):			
	classes not relevant	us).			
	Other safety characteristics there is no additional information				
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 temp	perature			
	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 I	eads 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 an are not known. Hazardous combustion products: see section 5.	a neating			
	are not known. Trazardous 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				



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		Shall not be classified as a reproductive toxicant.
		Specific target organ toxicity - single exposure
		Shall not be classified as a specific target organ toxicant (single exposure).
		Specific target organ toxicity - repeated exposure
		Shall not be classified as a specific target organ toxicant (repeated exposure).
		Aspiration hazard
		Shall not be classified as presenting an aspiration hazard.
	11.2	Information on other hazards
		There is no additional information.
Section 12	Ecolog	ical Information
	12.1	Toxicity
		Shall not be classified as hazardous to the aquatic environment.
	12.2	Persistence and degradability
	12.2	Data are not available.
		Data are not available.
	12.3	Bioaccumulative potential
		Data are not available.
	12.4	Mobility in soil
	12.7	
		Data are not available.
	12.5	Results of PBT and vPvB assessment
		According to the results of its assessment, this substance is not a PBT or a vPvB.
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	12.6	Endocrine disrupting properties
		Does not contain an endocrine disruptor (ED) at a concentration of \geq 0,1%.
	12.7	Other adverse effects
		Data are not available.
Section 13	Dispos	al Considerations
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	13.1	Waste treatment methods
		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 that can be handled separately by the local or national waste management facilities.
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Section 14	Transp	ort 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 in: The cargo is not intended to be carried in	
		Information for each of the UN Model Regulat	<u>ions</u>
		International Maritime Dangerous Goods Code	(IMDG) - Additional information
		Not subject to IMDG.	
		International Civil Aviation Organization (ICAO-	ATA/DGR) - Additional information
		Not subject to ICAO-IATA.	
Section 15	Regula	tory Information	
	15.1	Safety, health and environmental regulations/le the European Union (EU)	gislation specific for the substance or mixture Relevant provisions of
		Deco-Paint Directive	
		VOC content	0 %
		Industrial Emissions Directive (IED)	
		VOC content	0 %
		Directive on the restriction of the use o electronic equipment (RoHS)	f certain hazardous substances in electrical and
		not listed	
		Regulation concerning the establishment (PRTR)	nt of a European Pollutant Release and Transfer Register
		not listed	
		Water Framework Directive (WFD)	
		not listed Pegulation on persistent organic pollut	ants (DOD)
		Regulation on persistent organic pollut	ants (FOF)
		not listed National regulations (GB)	
			on (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 this substance.
Section 16	Other I	nformation

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
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 Rail)
STEL	Short-term exposure limit
TWA	Time-weighted average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

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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