

Material Safety Data Sheet
Hibiscus Distillate Colourless Liquid

1. Product and Supplier

Product Name	Hibiscus Distillate Colourless Liquid
Supplier	ASES Chemical Works Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India Ph: +91-9636889954 Email : ecom@ases.in Website : www.ases.in

2. Composition and Ingredients

CAS No	84650-60-2
Hibiscus Extract	100%
Hazardous Components	None

3. Hazardous Identification

Environmental Hazards	Not Known
Eye Contact	May cause irritation
Skin Contact	May cause irritation
Ingestion	May cause gastrointestinal irritation with nausea, vomiting, and diarrhoea. May be harmful if swallowed.
Inhalation	May cause respiratory tract irritation and irritation of the mucous membranes.

4. First Aid Measures

Skin contact	Wash with soap and water.
Eye contact	Flush with plenty of water or eyewash solution for 15 minutes. Get medical attention if irritation persists
Ingestion	Never give anything by mouth to an unconscious person. Call a doctor at once. Do NOT induce vomiting. If conscious and alert, Your rinse mouth and drink 2-4 cupful's of milk or water.
Inhalation	Remove to fresh air. Seek medical attention if symptoms persist.
Notes to Physician	Treat symptomatically and supportively.

5. Fire Fighting Measures

Extinguishing Media	Water Spray, Powder, and Carbon Dioxide
Special Firefighting Procedures	As in any fire, wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.
Hazardous Thermal Decomposition Products	Irritating and highly toxic gases may be generated by thermal. Decomposition or combustion.

6. Accidental Release Measures

Precautions	Use proper protective gear as outlined in section 8.
Methods for Cleaning Up	Sweep up or flush with water and dispose of it according to local regulations. Avoid generating dust. Ventilate area well.

7. Handling and Storage

Safe Handling	Wash thoroughly after handling. Wear a dust mask with a filter for fine dust. Work in a ventilated area. Avoid contact with eyes. Wash contaminated clothing before reuse.
Storage	Keep the container closed and protect from humidity

8. Exposure Controls and Personal Protection

Respiratory protection	Use adequate ventilation to prevent inhalation of dust.
Ventilation	Ensure good ventilation of the work situation.
Eye protection	Safety glasses should be worn. An eyewash facility should be nearby.
Body/Skin protection	Gloves and suitable clothing should be worn. A safety showers should be nearby.
Other	Evaluate need based on application.
Work/Hygiene Practices	Normal work and hygiene practices

9. Physical Data and Chemical Properties

Physical State	Liquid
Color	Transparent colourless liquid
Odor	Characteristic
pH	4.73 (1% aqueous solution)
Solubility in Water	Soluble

10. Stability and Reactivity

Stability	Stable
Incompatibility(materials to avoid)	Moisture
Conditions to Avoid	Avoid exposure into moisture and strong oxidizing agents
Hazardous Decomposition or By Products	Irritating and highly toxic gases may form on thermal decomposition or combustion.

11. Toxicological Information

Teratogenicity	Teratogenic effects have occurred in experimental animals.
Reproductive Effects	Adverse reproductive effects have occurred in experimental animals.

12. Ecological Information

Not applicable

13. Disposal Considerations

Waste Disposal Methods	Dispose according to local, and federal regulations.
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14. Transport Information

DOT Classification	Not regulated as a hazardous material
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15. Regulatory Information

Not applicable

16. Other Information

This information is provided for documentation purposes only. The complete range of condition or methods of use is beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remain the responsibility of the user. This safety sheet cannot cover all possible situations that the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. bulletin should be provided to your employees or customers.

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	HIBISCUS DISTILLATE COLOURLESS LIQUID EXTRACT-10:1
2. INCI Name	Hibiscus Rosa-Sinensis
3. CAS Number	84775-96-2
3. Date Of Exp	As on Product Label

SR. No.	Parameters	Specification	Results	Test Protocol
1	Botanical Name	<i>Hibiscus rosa-sinensis</i>	Complies
2	Description	Transparent colourless liquid	Complies	Visual
3	pH of 1 % w/v aq. soln	4-7	4.73	IP 2014
4	Water solubility	soluble	Complies	IP 2014
5	Propylene glycol solubility	soluble	Complies	IP 2014
6	Specific gravity (20°C)	1.020-1.050	1.028	IP 2014
7	Dry residue 105°C	0.5%-2.0%	1.65%	IP 2014
Heavy Metals				
8	Arsenic	NMT 1ppm	Complies	“AOAC” Method
9	Lead	NMT 1ppm	Complies	“AOAC” Method
10	Mercury	NMT 1ppm	Complies	“AOAC” Method
11	Cadmium	NMT 0.5ppm	Complies	“AOAC” Method
Microbiological Tests				
12	Total Aerobic Bacteria	NMT 5000 cfu/gm	Complies	USP
13	Yeast and Moulds	NMT 200 cfu/gm	Complies	USP
14	Escherichia coli	Absent	Absent	USP
15	Salmonella	Absent	Absent	USP
16	Staphylococcus aureus	Absent	Absent	USP
17	Pseudomonas aeruginosa	Absent	Absent	USP

Since it is a herbal product, there is likely to be minor color variation because of the geographical and Seasonal variations of the raw material Legend: NLT= not less than, NMT=Not more than, CFU=Colony forming unit/gram