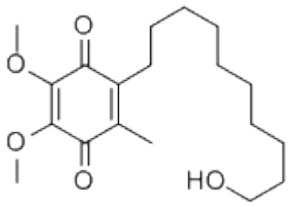
Material Safety Data Sheet

1. Identification of the substance or preparation

Product Name:	**IDEBENONE**
Synonyms	2,3-Dimethoxy-6-(10-hydroxydecyl)-5-methyl-1,4-benzoquinone;Avan;Daruma;Mnesis;IDEBENONE(PATENTED-NOSUPPLY);5,6-Dimethoxy-2-(10-hydroxydecyl)-3-methyl-1,4-benzoquinone;5,6-dimethoxy-2-(10-hydroxydecyl)-3-methyl-5-cyclohexadiene-1,4-dione;cv 2619 idebenone
Application:	Pharmaceutical raw materials; Cosmetic
Supplier:	Xi'an Natural Field Bio-Technique Co., Ltd Add.: 5th Floor, Building B, No.57,Keji 3rd Road, High-Tech Zone, Xi'an,710075,China Tel: 0086-29-87973630

2. Composition/information on ingredients.

Chemical Description:	Orange yellow or yellow,crystalline powder
Ingredient name:	Idebenone
CAS number:	58186-27-9
Molecular formula	C19H30O5
Molecular weight	338.44
EINECS number	--
Structural formula	

3. Hazards identification

Avoid prolonged exposure.
Do Not breathe vapor.
Use caution when handling.
Exposure to any chemical should be limited.
To the best of our knowledge,the health hazards of this product have not been fully inverstigated.
This product is provide solely for the purpose of research and development.

4. First aid measures

Skin contact:	Clean skin with soap and water. Wash contaminated clothing before re-use.
Eye contact:	Immediately wash eyes with copious amounts of water. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention.
Inhalation:	Remove to fresh air, rest and keep warm. In severe cases or if symptoms persist, seek medical attention.
Ingestion:	This product is editable, but need further process before eat. Wash out mouth with copious amounts of water.
Eye contact:	May cause redness

5. Fire fighting measures

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

6. Accidental release measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions:	Prevent substance entering drains, watercourses and sewers. If substance enters watercourse or sewers, inform Police, Fire Brigade, Local and Water Authorities immediately.
Spills/Leaks:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7. Handling and storage

Handling:	Avoid breathing, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood.
Storage:	Preserve in tight, light resistant containers at controlled room temperature.

8. Exposure Controls / PPE

Engineering Controls:	Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment	
Eyes:	Wear chemical splash goggles.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.

Respirators:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. Physical and chemical properties

Appearance:	Orange yellow or yellow crystalline powder
Order:	Characteristic
Solubility in Water:	Insoluble in water
Boiling point:	Not available
Melting Point:	Not available
Autoignition Pt:	Not available
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	Not available
Vapor Density (vs. Air = 1)	Not available
Evaporation Rate (vs Butyl Acetate=1):	Not available
Viscosity:	Not available
pH:	Not available
Auto ignition Temperature:	Not available

10. Stability and reactivity

Chemical Stability:	Stable
Conditions to Avoid:	Protect from moisture
Incompatibilities with Other Materials:	Strong bases Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide
Hazardous Polymerization:	Will not occur.

11. Toxicological information

RTECS#:	Not listed
LD50:	LD intraperitoneal rats - 125mg / kg; LD intraperitoneally mice - 125 mg / kg
Carcinogenicity:	Not listed
Other:	The toxicological properties have not been fully investigated.

12. Ecological information

No data.

13. Disposal consideration

Dispose of in a manner consistent with federal, state, and local regulations.

14. Transportation information

Non-hazardous for air and ground transportation.

15. Regulatory information

Indication of Danger:	Irritant.
Risk Statement:	Irritant to eyes, respiratory system, and skin.
Safety Statement:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

16. Other information

This MSDS is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. It is the responsibility of the handlers of the product to pass on the information contained in this document to any subsequent persons who come into contact with, handle or use the product in any way. They should check the adequacy of the information contained in the safety data sheet received before passing in onto their customers. The information given in the Data Sheets is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.