

MATERIAL SAFETY DATA SHEET
ACCORDING TO EC LEGISLATION 91/155/E EC

Date created: July2005

Date revised: July 2005

1. Identification:

Commercial name: Borage oil
Botanical Nomenclature:
INCI name: *Borage officinalis*
CAS number: 84012-16-8
EINECS CAS number: *Not available*
EEC Number: *Not available*

2. Composition:

Main components:
Additives (e.g. carriers, preservatives, antioxidants): *Nil*

3. Potential Health Hazards:

Inhalation: *No vapours present at normal temperatures*
Skin: *Wash with soap and water*
Eyes: *Rinse with plenty of water. Seek medical attention if irritation persists*
Ingestion: *Not considered dangerous*

4. First aid:

Inhalation: *None identified*
Skin: *Remove contaminated clothing. Wash affected area with mild soap and water. Seek medical advice if irritation persists.*
Eyes: *Flush with plenty of water for 15 minutes. Seek medical advice if irritation persists.*
Ingestion: *Rinse mouth with water. Not a direct hazard.*

5. In case of fire:

Extinguishing media: *Carbon dioxide, foam, inert powders.*
Do not use: *Water jet*
Special precautions: *Wear self contained breathing apparatus and other protective clothing.*

6. Spill and Leak Procedure:

Individual precautions: *Avoid contact with skin eyes and clothes. All spillages can cause a slipping hazard.*
Environmental protection: *Keep away from soils, surface and groundwater.*
Cleaning methods: *Remove all potential ignition sources. Contain the spill. Cover with an inert inorganic absorbent material, sweep up and remove to an approved disposal container. Clean with water and detergents. Observe state, federal and local disposal regulations.*

7. Handling and storage:

Store in a cool, dry and dark place in suitable containers (aluminium cans or lacquer lined steel drums).
Handle in a well ventilated area.
Keep away from sources of heat and ignition.

8. Personal Protection / Exposure control:

Respiratory protection: *Avoid breathing product vapour, apply local ventilation when possible.*

Skin protection: *Rubber or plastic gloves should be worn*

Eye protection: *Safety glasses or safety goggles should be worn*

General precautions: *Use good industrial hygiene practise.*

9. Physiochemical properties:

Appearance: *light yellow mobile liquid*

Odour: *Characterisitic*

pH: *Not available*

Boiling point: *Not available*

Flash point: *>200C*

Autoignition Temperature: *Not available*

Explosion Limits: *Not available*

Vapour pressure (20°C): *<0.01mm Hg*

Vapour Density: *Not available*

Specific Gravity (20°C): *Not available*

Optical Rotation (20°C): *Not available*

Refractive Index (20°C): *Not available*

Solubility in water (20°): *insoluble*

Partition Coefficient log P o/w: *Not available*

Evaporation rate: *Not available*

10. Stability and Reactivity:

Chemical Stability: *Stable.*

Conditions to avoid: *Strong oxidising agent, temperatures near flash point.*

Hazardous Decomposition Products: *None. (termal decomposition water, carbondioxide)*

11. Toxicological Information:

According to RIFM- Monograph:

Acute Toxicity: *Oral LD₅₀: /kg in rats Not available*
Dermal LD₅₀: /kg in rabbits Not available

Irritation: *Not irritant on skin, slightly irritant on eyes.*

Sensitisation: *Not available*

Phototoxicity: *Not available*

12. Ecotoxicological information:

Readily biodegradable

Fish Toxicity: LCO/EC₅₀: *Not available.*

Bacteriotocity: ECO/EC₅₀: *Not available.*

13. Disposal Method:

Check Federal, State and Local Regulations.

14. Transport Information:

Non-hazardous material transport in suitable containers.

15. Regulatory Information

The British Essential Oil Association Chip Regulations – 2002

Hazard Symbols: -----

Risk Phrases: -----

H/C %: -----

Safety Phrases: -----

DISCLAIMER: THE INFORMATION CONTAINED IN THIS MSDS IS OBTAINED FROM CURRENT AND RELIABLE SOURCES. HOWEVER, THE DATA IS PROVIDED WITHOUT WARRANTY, EXPRESSES OR IMPLIED, REGARDING ITS CORRECTNESS OR ACCURACY. IT IS THE USER'S RESPONSIBILITY TO DETERMINE SAFE CONDITIONS FOR USE AND TO ASSUME LIABILITY FOR LOSS, INJURY, DAMAGE OR EXPENSE RESULTING FROM IMPROPER USE OF THIS PRODUCT.

FOR AND ON BEHALF OF PHOENIX NATURAL PRODUCTS:

J.S. CHANA..... (MANAGING DIRECTOR)

DATE:.....