



Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Rice Bran Oil.			
Biological Definition		Oryza Sativa Bran Oil is the fixed oil expressed from the bran of the Rice, <i>Oryza sativa L.</i> , <i>Poaceae</i> . It consists primarily of the glycerides of the fatty acids linoleic, oleic, palmitic and stearic.			
INCI Name		Oryza Sativa Bran Oil.			
Synonyms & Trade Names		-			
CAS-No	68553-81-1	EC No.	297-397-8	EINECS No.	297-397-8
1.2 Relative identified uses of the substance or mixture and uses advised against					
Recommended use; component of cosmetic products, food, animal food and pharmaceutical products					
1.3 Details of the supplier of the safety data sheet					
Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1					
1.4 Emergency Tel. No.		604-540-8700 (Monday-Friday 8:30 am-4:30 pm)			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Not classed as a hazardous substance.	
Classification (EC 1272/2008)	
Not classed as a hazardous substance.	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
None.	
Signal Word	None.
Contains	Contains no hazardous substances.
Hazard Statements	
None.	
Precautionary Statements	
None.	
Supplementary Precautionary Statements	
None.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
100% Oryza Sativa Bran Oil Cas. No. 68553-81-1 not classed as a hazardous substance.

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	No special measures required. Move the exposed person to fresh air. Seek medical attention if any discomfort continues.
Ingestion	Non toxic product - no adverse affects expected under normal conditions. Seek medical attention if any discomfort occurs.
Skin Contact	Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention immediately. Continue to rinse.
4.2 Most important symptoms and effects, both acute and delayed	
No symptoms known.	
4.3 Indication of any immediate medical attention and special treatment needed	
None.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Extinguishing media: Carbon dioxide (CO ₂). Dry Chemical Powder. Foam. Unsuitable extinguishing media: do not use direct water jet on burning material.	
5.2 Special hazards arising from the product	
This product is made up of inflammable material with low risk. The product may only form ignitable mixtures or burn only upon heating above the flash point. However, minor contamination by lightly volatile hydrocarbons may increase the hazard. Ignition hazard at welding at the empty container. Dangerous combustion residues: smoke, carbon monoxide, carbon dioxide.	
5.3 Advice for firefighters	
In case of fire; use respirator.	

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
Use protective gloves, goggles and suitable protective clothing. Remove sources of ignition, provide adequate ventilation. Avoid contact with skin and eyes.	
6.2 Environmental Precautions	
Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.	
6.3 Methods and material for containment and cleaning up.	
Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations. If spillage in water occurs; Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.	
6.4 Reference to other sections	
None.	

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Keep containers tightly closed, dry and avoid leakages. Protect against sunlight.
7.2 Conditions for safe storage, including any incompatibilities
Intrusion into soil to be avoided. Store the product in cool (max. at room temperature) and well-ventilated environment and keep away from sources of ignition. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
None.
8.2 Exposure controls
Protective Equipment
No special measures required.
Process Conditions
No special measures required.
Engineering Measures
No special measure required, though adequate ventilation is recommended in line with general good laboratory practise.
Respiratory Equipment
No special measures required.
Hand Protection
No special measures required, though good laboratory practise should be followed.
Eye Protection
No special measures required, though good laboratory practise should be followed.
Other Protection
Slip proof shoes may be worn in event of spillages.
Hygiene Measures
Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection
No special measures required, though good laboratory practise should be followed.
Skin Protection
No special measures required, though good laboratory practise should be followed.
Environmental Exposure Controls
Avoid discharging into drainage water.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Appearance
Clear, light yellow liquid.
Colour
Light yellow.
Odour
Characteristic
Relative Density
0.916 - 0.922 @ 20°C
Flash Point (°C)
>200°C
Refractive Index
1.470 - 1.474 @ 20°C
Melting Point (°C)
No additional data available.
Boiling Point (°C)
>350°C
Vapour Pressure
No additional data available.
Solubility in Water @20°C
Insoluble in water. Soluble in oil and ethanol.
Auto-ignition temperature (°C)
No additional data available.
9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Generally stable, becomes rancid on prolonged exposure to air. Formation of free fatty acids.

10.2 Chemical stability

Stable under the recommended handling and storage conditions.

10.3 Possible hazardous reactions

Reacts with oxidants.

10.4 Conditions to Avoid

Keep away from heat sources open flames and sunlight.

10.5 Incompatible materials

Avoid contact with strong acids, alkalis and oxidising agents.

10.6 Hazardous Decomposition Products

Does not decompose at proper handling.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	In compliance with generally accepted uses and quantities are no negative impacts to be expected. LD50 oral: not determined LD50 dermal: not determined LC50: not determined Inhalation: There is not expected negative impact. Ingestion: There is not expected negative impact. Skin contact: There is not expected negative impact. Eye contact: There is not expected negative impact.
Skin corrosion / irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Serious eye damage / irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Respiratory or skin sensitisation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Germ Cell Mutagenicity	No expected negative impact.
Carcinogenicity	No expected negative impact.
Reproductive toxicity	No expected negative impact.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	None.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No additional data available.

12.2 Persistence & degradability

Biologically well degradable.
12.3 Bioaccumulation Potential
No additional data available.
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
No additional data available.
12.6 Other adverse effects
Do not allow product to enter streams, sewers or other waterways. Water hazard class; WGK-1

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Collect and dispose of waste product, in accordance with local authority guidelines, at an authorised disposal facility. Product remainders should not intrude soil or waters.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Non hazardous product - not bound by transport regulations.
UN No. SEA	Non hazardous product - not bound by transport regulations.
UN No. AIR	Non hazardous product - not bound by transport regulations.
14.2 UN proper shipping name	
No additional data available.	
14.3 Transport hazard class(es)	
not bound by transport regulations.	
14.4 Packing group	
No additional data available.	
14.5 Environmental hazards	
No hazard label necessary – non hazardous product.	
14.6 Special precautions for user	
See sections 6 – 8.	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
Not defined.	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No additional data available.
15.2 Chemical safety assessment
No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	None - non hazardous product.
Other Information	None.

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