

# AKÖMA™

## FROM THE HEART

### MATERIAL SAFETY DATA SHEET

#### 1 --- Identification of Product and Supplier

Product Name: **Rice Bran Oil**  
Supplier: **Akoma International (UK) LTD**  
Unit 9A Sawley Park  
Nottingham Road  
Derby  
DE21 6AS  
Tel: +44 (0) 1332 613 967  
Emergency Contact: Mr. Wynn Mensah – Tel: 01332 613 967

#### 2 --- Composition and information on ingredients:

The product does not belong to any list of substances supposedly hazardous to human or animal health according to EU guideline 548/67 and further amendments, nor to those having recognised exposition limits.

INCI NAME: **Oryza Sativa (Rice) Bran Oil**  
Chemical composition: Oryza Sativa Bran Oil is the fixed oil expressed from the bran of rice, *Oryza sativa*, *Graminae*. It consists primarily of the glycerides of the fatty acids linoleic, oleic, palmetic and stearic.  
CAS number: 68553---81---1  
Einecs Number: 271---397---8  
Application: Is used in Food Industries and Cosmetics (Emollient)

#### 3 --- Hazards identification:

Non hazardous

#### 4 --- First aid measures:

Eye contact: Flush with water.  
Skin contact: Wash with water and soap.  
Ingestion: Edible, food grade

## 5 --- Fire --- Fighting measures:

<u>Extinguishing media:</u>	Carbon dioxide, foams, inert powder
<u>Extinguishing media to avoid:</u>	Water
<u>Special exposure hazards:</u>	Fine oil mists may be hazardous. On extreme long heating at high temperature gaseous components occur of acrolein variety.
<u>Protection against fire:</u>	Standard measures in line with fire safety regulations

## 6 --- Accidental release measures:

<u>Spillage on soil:</u>	Use a solid absorbent and/or wash floors with detergent. May cause slip on floors. If solidified, shovel into containers.
<u>Spillage on water:</u>	Since the density of oil is lower than water, it will appear on the surface. The fat can be scraped off the surface. Disposal according to UK/EU environmental regulations.

## 7 --- Handling and storage:

At times oil---soaked materials may spontaneously combust. Use only in well ventilated areas, avoid contact with skin, eyes and clothing.

## 8 --- Exposure controls and personal protection:

No special personal protective equipment required.  
Protective gloves and goggles when handling hot oil.

## 9 --- Physical data and chemical properties:

Appearance: Clear, light yellow to orange liquid

Odour: Characteristic, bland

Specific Gravity @ 20°C: 0.914

Refractive Index @ 20°C: 1.467

Free Fatty Acid: 0.10

Peroxide Value  
MeqO<sub>2</sub>/kg: 0.80

Saponification Value: 188

Iodine Value: 102.50

Acid Value 0.20

## 10 --- Stability and Reactivity:

Conditions to avoid: High temperature near flash point

Materials to avoid: Strong acids and oxidising agents

Hazardous decomposition products: Acrolein at extreme heating  
Hazardous reactions: Polymerisation not likely to occur  
Shelf Life: Min 12 months from the date of manufacture when stored in nitrogen flushed Containers

### 11 --- Toxicological information

Non toxic product --- pharmaceutical use – food grade

### 12 --- Ecological information:

Readily biodegradable

### 13 --- Disposal considerations:

Residue for disposal: According to local regulations.  
Waste packing: Observe local regulations.

### 14 --- Transport information:

Not dangerous product  
Classification: Not classified in RID/ADR/IMDG

### 15 --- Regulatory information:

In compliance with the requirements in the current Cosmetic Directives 67/548 EEC et 1999/45/CE

### 16 --- Other information:

#### Q.C. REQUIREMENTS

In--line with general product specification. Always satisfy suitability for specific application.

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