



## SAFETY DATA SHEET

### 01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE: Abyssinian Oil

### 02. HAZARD IDENTIFICATION

MAIN HAZARDS:

INHALATION:

SKIN CONTACT:

EYE CONTACT:

INGESTION:

HAZARD SYMBOL:

RISK PHRASES:

ENVIRONMENT:

Vegetable Oil Mist

No known hazards under normal conditions with adequate ventilation but may cause irritation of respiratory tract

No known hazards

Mild irritation may occur. Signs and symptoms include burning, tearing, redness and swelling.

No known hazards but may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

None required

Not applicable

Likely to be fully biodegradable so unlikely to contaminate soil, ground or surface water.

### 03. COMPOSITION/INFORMATION ON INGREDIENTS

The product does not belong to any list of substances supposedly hazardous to human or animal health and is not classified as dangerous according to the Directive 88/379/EEC or its amendments.

INGREDIENTS:

100% Vegetable Oil Triglycerides

CHEMICAL IDENTIFICATION:

INCI Name: *Crambe Abyssinica* Seed Oil

EINECS: 273-313-5

CAS: 68956-68-3

### 04. FIRST AID MEASURES

INHALATION:

If inhaled: move to fresh air and breathe normally in a comfortable position. If breathing is difficult give oxygen.

SKIN CONTACT:

Crambe oil can be removed from skin by washing with soap and water. Hot oil could result in burns to the contact part. In the event, follow normal first air procedures for treating burns.

EYE CONTACT:

Eyes should be flushed with plenty of water for at least twenty minutes holding the eye open. Get medical attention if irritation persists.

INGESTION:

Do not induce vomiting. Consult medical personnel if symptoms develop.



## 05. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Class "B" fire extinguisher; CO2 Foam, Dry Chemical etc. Keep containers and surroundings cool with water spray.

EXTINGUISHING MEDIA TO BE AVOIDED:

Water

SPECIAL PROTECTIVE EQUIPMENT:

Wear self-contained breathing apparatus.

## 06. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material.

PERSONAL PRECAUTION:

Ensure adequate ventilation

ENVIRONMENTAL PRECAUTIONS:

Try to prevent material from entering drains or water courses as there may be short term pollution.

SPILLAGES:

Spills from fats and oils produce slippery surfaces.

Employ normal sanitation procedures to reduce risk.

Absorb material on clay, sawdust, or other material.

## 07. HANDLING & STORAGE

HANDLING:

Use in well-ventilated area. Avoid inhaling mists, dusts or vapor. Avoid contact with eyes, skin and clothing.

STORAGE:

Keep container tightly closed when not in use. Store in a cool (17-22°C), dry location, in a sealed container.

Exposure of material to air, heat or water may cause deterioration in quality. Keep material and empty container away from heat and sources of ignition.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Maintain adequate ventilation to keep hazardous ingredients below their PELs or TLVs. Use NIOSH/MSHA approved respirator whenever exposure limits exceeded.

OCCUPATIONAL EXPOSURE STANDARDS:

Components:

Vegetable oil refined

OSHA STEL:

OSHA PEL:

OSHA TWA:

5 mg /m<sup>3</sup>

15 mg /m<sup>3</sup>

ACGIH STEL:

ACGIH TWA:

EXPOSURE CONTROL MEASURES:

Whenever possible material should be handled in well-ventilated Area e.g. dilution and local exhaust ventilation.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION:

Use self-contained respiratory equipment in closed systems and in case of mist, spray or aerosol exposure.

HAND PROTECTION:

Protective gloves, Neoprene gloves



EYE PROTECTION:  
HYGIENE MEASURES:

Safety glasses, goggle or face shield.  
Handle in accordance with good industrial hygiene and safety practice.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

Identification:	Clear yellow oily liquid and practically odorless
Color:	Clear yellow
pH value:	N/A
Freezing point:	Not determined
Boiling point:	>200°F / >93.3°C
Melting point:	N/A
Flash point:	177 °C
Autoflamability:	Not self-igniting
Explosive properties:	None expected
Oxidizing properties:	None expected
Vapor pressure:	Not determined
Solubility in water:	Insoluble
Solubility in ethanol:	Soluble
Partition coefficient:	Not determined
Refractive index:	Not determined
Density:	0.85 - 0.95 g/cm <sup>2</sup>
Solvent content:	
Percent Volatile:	0.0%
Water content:	Not applicable

## 10. STABILITY & REACTIVITY

STABILITY:	Stable under normal conditions
CONDITIONS TO AVOID:	High temperatures, flames and sparks
MATERIALS TO AVOID:	Strong oxidizing agents
HAZARDOUS REACTIONS:	Polymerization will not occur
HAZARDOUS COMBUSTION PRODUCTS:	Combustion produces carbon dioxide, carbon monoxide and smoke.

## 11. TOXICOLOGICAL INFORMATION

COMPONENTS:	Vegetable Oil, Refined
LC50/inhalational/4h/Rat:	No data available
LD50/Dermal/Rat:	No data available
LD50/Oral/Rat:	>2000mg/kg

### LOCAL EFFECTS:

ACUTE TEST: The following study complies with OECD Guideline 405:

Slight to moderate conjunctival irritation (redness, swelling, and discharge) was observed in 3/3 rabbits. Effects cleared within 48 to 72 hours post-instillation. The substance is considered a slight eye irritant; however, does not meet the criteria to be classified as an eye irritant as per the regulations.

SKIN IRRITATION: Non-irritating to the skin.  
EYE IRRITATION: Contact with eyes may cause irritation.



INHALATION: May cause irritation of respiratory tract.  
INGESTION: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
SENSITIZATION: Patch test on human volunteers did not demonstrate sensitization properties.  
CHRONIC TOXICITY: See table and/or data, below  
SPECIFIC EFFECTS:  
CARCINOGENIC EFFECTS: No classification data on the carcinogenic properties of this material is available from the IARC, NTP or OSHA  
MUTAGENIC EFFECTS: Was not mutagenic in Salmonella bacterial assay.  
TARGET ORGANS: None

## 12. ECOLOGICAL INFORMATION

No adverse eco-toxic effects known

AQUATIC TOXICITY: Product Information: No data available  
Persistence and degradability: No data available  
ENVIRONMENTAL FATE AND PATHWAYS: Mobility: No data available  
Biodegradability: Inherently biodegradable  
BIOACCUMULATIVE POTENTIAL: No data available  
Physical/Chemical: No data available  
BOD/COD: COD-value: No data available  
BOD5-value: No data available

## 13. DISPOSAL INFORMATION

PRODUCT DISPOSAL: Do not put into sewer lines. Absorb in vermiculite or dry sand, dispose in licensed special waste. Dispose in accordance with Local and National Regulations  
RCRA HAZARDOUS WASTE: RCRA: Not listed  
CONTAINER DISPOSAL: Labels should not be removed from containers before they have been cleaned. Empty containers should be thoroughly washed out with water before being disposed of. Do not incinerate closed containers.

## 14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR):  
Proper shipping name: Not regulated  
International Air Transportation (ICAO/IATA):  
Proper shipping name: Not regulated  
International Maritime Organization (IMO/IMDG):  
Proper shipping name: Not regulated  
Surface Shipments in Europe (ADR/RID):  
Proper shipping name: Not regulated  
Canada - Transportation of Dangerous Goods (TDG):  
Proper shipping name: Not regulated



## 15. REGULATORY INFORMATION

HEAVY METALS:	
HEAVY METALS CONTENT (ppm):	Not applicable
INTERNATIONAL INVENTORIES:	
TSCA/USA: Listed	EINECS/EU: Listed
DSL/CANADA: Listed	NDSL/CANADA: Not applicable
ENCS/JAPAN: Listed	IECSC/CHINA: Listed
PICCS/PHILIPPINES: Listed	KECL/KOREA: Listed
AICS/AUSTRALIA: Listed	HSNO/NEW ZEALAND: Listed
FDA/NON-TSCA COSMETIC STATEMENT:	FDA regulated cosmetic raw material. Not subject to TSCA
U.S.REGULATIONS:	
TSCA Section 12(b) Export Notification:	This product does not contain chemicals that are required to be notified under the TSCA 12(b) Export Notification.
SARA Title III:	
Section 302 EHS:	None
Section 311/312:	None
Section 313:	Not listed
CALIFORNIA PROP. 65:	Not listed
CANADA HMIS HAZARD CLASS:	Non-controlled
EC CLASSIFICATIONS:	Non-hazardous
RISK PHASES:	N/A
SAFETY PHASES:	
S-7:	Keep containers highly closed
S-26:	In case of contact with eyes, rinse immediately with plenty of water.
S- 36/37/39:	Wear suitable protective clothing, gloves and eye/face protection.
LABEL NAME:	Crambe Abyssinica Seed Oil

## 16. OTHER INFORMATION

HMIS  
Health: 1  
Flammability: 1  
Reactivity: 0