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## **SAFETY DATA SHEET**

### **1 COMPANY IDENTIFICATION**

MANUFACTURER	KANDLA AGRO AND CHEMICALS PVT. LTD. SURVEY NO.45, VILLAGE: BHARAPAR GANDHIDHAM, KUTCH DISTRICT, GUJARAT, INDIA
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<b>PRODUCT IDENTIFICATION</b>	
PRODUCT NAME	<b>Dehydrated castor oil fatty acid</b>
PRODUCT DESCRIPTION	High/medium/low conjugation DCO Fatty acid
PHYSICAL FORM/APPEARANCE	Clear light Yellow Liquid

### **2 HAZARDS IDENTIFICATION**

1. GHS Classification of the substance or mixture (According to Regulation (EC) No 1272/2008 and the GHS) Not Classified as Hazardous  
CLP Inventory/ Annex VI---Not listed  
EU CLP Classification---Not applicable
2. Label Elements  
Single word: Non Hazardous  
Hazard protection: Not classified as hazardous  
Prevention precautionary statements: Note: These precautionary statements are not prescribed by directive 1272/2008 as this product is not classified as hazardous under this directive. Wash hands thoroughly with soap and water after handling. Wear protective gloves, protective clothing, eye protection and face protection. If swallowed, inhaled, if in eyes or if on skin call a poison center or doctor/physician if you feel unwell. If inhaled, remove victim to fresh air and keep at rest in a comfortable position for breathing. Take off contaminated clothing

Fire act specifies combustible material (flammable liquid)



### 3 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL FORMULA	C18H32O2
MOLECULAR WEIGHT	280
SUBSTANCE / MIXTURE	Substance
CONTENT	100 %
CHEMICAL FAMILY	Organic
H.S. CODE	29157050
CAS NO.	61789-45-5
EC NO.	263-061-4

### 4 FIRST AID / EMERGENCY MEASURES

IF IN EYES	Immediately flush eyes with water for at least 15 minutes. If irritation persists, get medical attention
IF ON SKIN	Wash with plenty of soap and water. If irritation occurs, get medical attention
IF SWALLOWED	If large amounts were swallowed, give 1 / 2 glasses water to drink, and contact a physician. And give anything by mouth should not.
IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if you feel unwell.
ANTIDOTES	Information is not available

### 5 FIRE FIGHTING MEASURES

T.D.G. FLAME, CLASS	Not regulated
EXTINGUISHING MEDIA	Carbon dioxide, dry powder, foam, and sand.
SPECIAL PROCEDURE	No information
EXTINGUISHING AGENT NOT TO BE USED	No information
FIRE FIGHTING PROTECTION	PPE'S like gloves, glasses, masks etc.

### 6 ACCIDENTAL RELEASE MEASURES

LEAK/SPILL	Slippery when split. Dike spilled area to prevent spreading. Wear PPE's to prevent skin and eye contact. Prevent run off into drains, sewers and other waterways. Absorb residual material with sand, or other absorbent material. Scoop up used absorbent into drums. If it is large leak –ignition source near a hurry except that one. And prepare a fire extinguishing agent as disaster prevention measures. If indoor leakage and processed until provide adequate ventilation, have a large leak the people to evacuate to safety.
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### 7 HANDLING AND STORAGE

HANDLING PROCEDURES &  
EQUIPMENT  
STORAGE NEEDS

Use PPE's when handling. Use adequate ventilation. Wash thoroughly after handling.  
Store containers tightly closed. Store away from high temperatures and open flame. Store away from incompatible materials. Generally store in Storage tanks, Barrels etc.

### 8 EXPOSURE CONTROL AND PERSONAL PROTECTION

MANAGEMENT CONCENTRATION  
EQUIPMENT MEASURES  
PROTECTION

Not set  
A location near handling, set up eye wash and body wash facilities.  
Use PPE'S like gloves, glasses, masks, protective clothing, protective face shield, protective boots.  
Do not eat or drink when using the product. Wash hands and face thoroughly with soap and water, gargle and then to eat or drink.  
General and local exhaust ventilation as recommended by GMP should be sufficient for normal operations.

ADEQUATE SANITATION  
MEASURES

ENGINEERING CONTROLS

### 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE

Clear light Yellow Liquid

ODOUR

fatty

PH

Mild acidic

SOLUBILITY IN WATER

Insoluble

MELTING POINT

-10 to -18 Deg C

BOILING POINT

>200 deg C

FLASH POINT AND IGNITION  
POINTS

>200 deg C

SPECIFIC GRAVITY AT 25 DEG C

0.90 to 0.91

ORGANIC SOLVENTS

Soluble in Chloroform, Ether, Petroleum Benzene etc.

DECOMPOSITION TEMPERATURE

Not available

ODOUR THRESHOLD

Not available

VAPOUR PRESSURE (MMHG)

Not applicable

VAPOUR DENSITY

Not applicable

EVAPORATION RATE

Not applicable

### 10 STABILITY AND REACTIVITY

STABILITY

Stable in normal use.

MATERIALS TO AVOID

Bases, oxidizing agents, reducing agents

REACTIVITY CONDITONS

No information

HAZARDOUS DECOMPOSITION  
PRODUCTS

Carbon monoxide, carbon dioxide



### 11 TOXICOLOGICAL INFORMATION

EYES	Mild irritation may occur, possible reddening
SKIN	No adverse symptoms expected
SKIN ABSORPTION	No adverse symptoms expected, slight irritation
INGESTION	No known hazard
INHALATION	No adverse symptoms expected
ACUTE TOXICITY	No information
CHRONIC	Not expected to cause adverse chronic effects
CARCINOGENICITY	Not listed (IARC / ACGIH / EPA / NTP --Not applicable)
MUTAGEN / TERATOGENIC	No information

### 12 ECOLOGICAL INFORMATION

ECO TOXICITY	No information
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### 13 DISPOSAL CONSIDERATION

WASTE DISPOSAL	In accordance with municipal, provincial and federal regulations
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### 14 TRANSPORT INFORMATION

TDG CLASSIFICATION	Not regulated
MARINE TRANSPORT	Not classified as dangerous goods by the criteria of the International maritime dangerous goods code (IMDG) for transport by Sea
AIR TRANSPORT	Not classified as dangerous goods by the criteria of the INTERNATIONAL Air Transport Association (IATA) Dangerous Goods Regulations for transport by air

### 15 REGULATORY INFORMATION

FIRE ACT	Specifies combustible material (flammable class)
SHIP SAFETY LAW	Not applicable
AVIATION LA MARITIME LAW	Not applicable
MARINE POLLUTION PREVENTION LAW	
SARA Section 311/312	Fire: No Pressure generating: No Reactivity: No Acute: No Chronic: No
SARA Section 313	Notification: No This product contains no SARA title III, section 313 listed chemicals
TSCA, section 13	Notification: No
WHMIS CLASSIFICATION	This is not a controlled product. Non-WMHIS
CTFA regulation	Not registered
The substance is not subject to classification according to EC directives and other sources of literature known to us. Observe the general safety regulations when handling.	



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#### OTHER INFORMATION

**Statement of Hazard Nature:** NFPA

Health Hazard 1

Flammability 1

Instability 0

**Hazard Rating:**

Flamability 1

Reactivity 1

Toxicity 2

Body Contact 2

Chronic 2

(min/nil-0; low-1; moderate-2; high-3; extreme-4)

**DISCLAIMER:** Information contained in this SAFETY DATA SHEET is believed to be reliable but not representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/seller/user to ensure that the information contained in the safety data sheet is related to the product manufacture/handled or sold by him as the case may be. KANDLA AGRO AND CHEMICALS PVT. LTD. makes no warranties expressed in respect of the adequacy of this document for any particular purpose.

**FOR  
KANDLA AGRO AND CHEMICALS PVT. LTD.**



**D PANDEY  
QA MANAGER**