

## SAFETY DATA SHEET

### 1 COMPANY IDENTIFICATION

MANUFACTURER	KANDLA AGRO AND CHEMICALS PVT. LTD. SURVEY NO.45, VILLAGE: BHARAPAR GANDHIDHAM, KUTCH DISTRICT, GUJARAT, INDIA
TELEPHONE	+91-2836-225090 / 225091
EMERGENCY	+918980018311/8980018313
<b>PRODUCT IDENTIFICATION</b>	
PRODUCT NAME	RA
PRODUCT DESCRIPTION	Ricinoleic Acid
PHYSICAL FORM/APPEARANCE	Pale Yellow Viscous Liquid

### 2 HAZARDS IDENTIFICATION

- 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
- Label Elements Non Hazardous  
Single word: Not classified as hazardous  
Hazard protection: Note: These precautionary statements are not prescribed by  
Prevention precautionary statements: 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)





# KANDLA AGRO AND CHEMICALS PVT. LTD.

MANUFACTURER & EXPORTER OF CASTOR OIL & ITS DERIVATIVES

BBZ-S-49/50 2<sup>nd</sup> Floor, Zanda Chowk, Gandhidham [Kutch] 370 201, Tel : +91-2836-225090,225091  
E-mail- kacpl@friendsgroupindia.com Website: www.kandlaagro.com

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## COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL FORMULA	C18H34O3
MOLECULAR WEIGHT	298
SUBSTANCE / MIXTURE	Substance
CONTENT	100 % (main component RA as 85% min)
CHEMICAL FAMILY	Organic
H.S. CODE	38231900 / 29161900
CAS NO.	141-22-0
EC NO.	205-470-2

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## 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 swallowed, give 1 / 2 glasses water to drink, and contact a physician immediately. 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

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## 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.

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## 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. Keep containers tightly closed. Store away from high temperatures and open flame. Store away from incompatible materials. Generally store in SS Storage tanks, HDPE Barrels etc.
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## 8 EXPOSURE CONTROL AND PERSONAL PROTECTION

MANAGEMENT CONCENTRATION EQUIPMENT MEASURES	Not set A location near handling, set up eye wash and body wash facilities.
PROTECTION	Use PPE'S like gloves, glasses, masks, protective clothing, protective face shield, protective boots.
ADEQUATE SANITATION MEASURES	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.
ENGINEERING CONTROLS	General and local exhaust ventilation as recommended by GMP should be sufficient for normal operations.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Yellow Liquid
ODOUR; Sp. Gr at 25 deg C	Slight fatty; 0.937 – 0.943
PH	Not applicable
SOLUBILITY IN WATER	Insoluble
MELTING POINT	< 10 Deg C
BOILING POINT	>200 deg C
FLASH POINT AND IGNITION POINTS	>200 deg C
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





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## 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





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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**