

SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME	Castor seed meal (Castor DOC)
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

PRODUCT IDENTIFICATION

PRODUCT NAME	CSM
PRODUCT DESCRIPTION	Castor seed de-oiled meal
PHYSICAL FORM/APPEARANCE	SOLID
CHEMICAL FORMULA	NA
MOLECULAR WEIGHT	NA
CHEMICAL FAMILY	Organic
H.S. CODE	23069027
CAS NO.	

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COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS/ COMPOSITION	No known hazardous ingredients
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HAZARDS IDENTIFICATION

IMMEDIATE CONCERNS	Poses little or no immediate hazard
POTENTIAL HEALTH EFFECTS	
EYES	Not expected to cause serious irritation
SKIN	Not expected to cause serious irritation
SKIN ABSORPTION	Not expected to cause serious irritation
INGESTION	Not expected to cause serious irritation
INHALATION	Not expected to cause serious irritation

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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	None expected
CHRONIC	Not expected to cause adverse chronic effects
CARCINOGENICITY	Not listed
MUTAGENICITY	Not expected from available information



REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS	Not expected from available information
TERTOGENIC EFFECTS	Not listed
MEDICAL CONDITION AGGREGATED	Not known
ROUTES OF ENTRY	Inhalation, Skin, Oral
TARGET ORGAN STATEMENT	Not known

4 FIRST AID MEASURES

EYES	Immediately flush eyes with water for at least 15 minutes. If irritation persists, get medical attention
SKIN	Wash with soap and water
INGESTION	If swallowed, give one glass water to drink, try to get the victim to vomit and contact a physician immediately.
INHALATION	Remove to fresh air
ANTIDOTES	Information is not available

5 FIRE FIGHTING MEASURES

T.D.G. FLAME, CLASS	Not regulated
FLAMMABILITY	None. Not applicable
EXTINGUISHING MEDIA	Carbon dioxide, dry chemical, foam, water spray
SPECIAL PROCEDURE	None
FLASH POINT ©	NA

6 ACCIDENTAL RELEASE MEASURES

LEAK/SPILL	Wear PPE's to prevent skin and eye contact. Scoop up into bags.
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7 HANDLING AND STORAGE

HANDLING PROCEDURES & EQUIPMENT	Avoid contact with eyes, skin, and clothing. Use adequate ventilation. Wash thoroughly after handling.
STORAGE NEEDS	Store away from high temperatures and open flame. Store away from incompatible materials. Generally store as bulk in warehouse.



8 EXPOSURE CONTROL AND PERSONAL PROTECTION

GLOVES/TYPE	Rubber or Polyethylene Gloves
RESPIRATORY/TYPE	Use respirators tested and approved under appropriate government standards.
EYE/TYPE	Safety goggles
FOOTWEAR/TYPE	Depends on operation
CLOTHING/TYPE	Wear adequate protective clothes
OTHER/TYPE	Eye bath and safety shower
ENGINEERING CONTROLS	General and local exhaust ventilation as recommended by GMP should be sufficient for normal operations

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Solid
ODOUR	NA
ODOUR THRESHOLD	Not available
VAPOUR PRESSURE (MMHG)	Not applicable
VAPOUR DENSITY	Not applicable
EVAPORATION RATE	Not applicable
BOILING POINT	Not applicable
PH	Not applicable
SOLUBILITY IN WATER	Insoluble
MELTING POINT	Not applicable

10 STABILITY AND REACTIVITY

CHEMICAL STABILITY	Yes. The product stable under normal conditions of temperature and pressure
MATERIALS TO AVOID	flammables
REACTIVITY CONDITONS	None known
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide

11 TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the products is mishandled and overexposure occurs are:

INGESTION	No adverse effects expected, however large amounts may cause nausea and vomiting
EYE CONTACT	May be an eye irritant. May cause physical irritation to the eyes.

SKIN CONTACT

INHALATION

LONG TERM EFFECTS

TOXICOLOGICAL DTA

Repeated or prolonged skin contact may lead to irritation
NA

No information available for the product

No LD50 data available for the product



12 ECOLOGICAL CONSIDERATION

Not applicable

13 DISPOSAL CONSIDERATION

WASTE DISPOSAL

In accordance with municipal, provincial and federal regulations

14 TRANSPORT INFORMATION

TDG CLASSIFICATION

MARINE TRANSPORT

Not regulated

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

WHMIS CLASSIFICATION

CPR COMPLIANCE

This is not a controlled product

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS container all the information required by the CPR

16 OTHER INFORMATION

DISCLAIMER: Information contained in this MATERIAL 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 material 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.**

KANDLA AGRO AND CHEMICALS PVT. LTD.

MANUFACTURER & EXPORTER OF CASTOR OIL & ITS DERIVATIVES

BBZ-S-49/50 2nd 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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QA MANAGER