



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

Friends Group

REVISED DATE: 01.04.2022 (REV: 06)

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
PRODUCT IDENTIFICATION	
PRODUCT NAME	HCO
PRODUCT DESCRIPTION	Hydrogenated Castor Oil
PHYSICAL FORM/APPEARANCE	White Flakes / White Granules/ White Powder

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 solid) |





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COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL FORMULA	C57H110O9
MOLECULAR WEIGHT	938
SUBSTANCE / MIXTURE	Substance
CONTENT	100 %
CHEMICAL FAMILY	Organic
H.S. CODE	15162039
CAS NO.	8001-78-3
EC NO.	232-292-2

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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	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

LEAKAGE	Wear PPE's to prevent skin and eye contact. Prevent run off into drains, sewers and other waterways. Scoop up the material and fill into bags. 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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HANDLING AND STORAGE

HANDLING PROCEDURES & EQUIPMENT

Use PPE's when handling. Use adequate ventilation. Wash thoroughly after handling. Dust may cause an explosion might, static electricity measures.

STORAGE NEEDS

Store away from high temperatures and open flame. Store away from incompatible materials. Generally store in HDPE paper laminated bags/HDPE bags etc.

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EXPOSURE CONTROL AND PERSONAL PROTECTION

MANAGEMENT CONCENTRATION

Not set

EQUIPMENT MEASURES

A location near handling, set up eye wash and body wash facilities.

PROTECTION

Use PPE'S like rubber or poly ethylene 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.

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PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE

White flakes / white granules / white powder

ODOUR

Slight fatty

PH

Not applicable

SOLUBILITY IN WATER

Insoluble

MELTING POINT

82 to 88 deg C

BOILING POINT

>300 deg C

Flash Point And Ignition Points

>300 deg C

BULK DENSITY AT 30 DEG C

0.55 g/ml

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





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10 STABILITY AND REACTIVITY

STABILITY	Stable in normal use.
MATERIALS TO AVOID	Bases, oxidizing agents, reducing agents
REACTIVITY CONDITIONS	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 information
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





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REGULATORY INFORMATION

FIRE ACT	Specifies combustible material (flammable class)
SHIP SAFETY LAW	Not applicable
AVIATION LA MARITIME LAW MARINE	Not applicable
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**



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ANNEXURE

Hydrogenated Castor Oil

A. List for Sectors of Use (SU): Industrial Use SU3

1. Manufacturing greases and lubricants

2. Preparation of personal care products like lipsticks and anti deodorant sticks.
3. Wax formulations like pencils, crayons and polishes
4. High performance polyamides mfg.
5. As mould release agent in the processing of plastics and rubbers.
6. As a coating agent for paper & as anti foaming agent.
7. In the manufacture of soaps & cosmetics
8. In the manufacture of hot-melt coatings and sealant requiring resistance to water.
9. In the manufacture of Automotive refinish Acrylics, Rheological agent that provides thixotropy in paints, coatings, inks, adhesives, sealants
10. Flame Retardant and anti static agent for fibre.
11. In preparation of ointments, emulsified virus vaccines, sustained release capsules
Processing aid for colour concentrates, Surface treatment agents, plasticizers and textile auxiliaries in the form of derivatives such as esters, ethoxylates, sulfates etc.

B. List for chemical Product Category (PC): Lubricant, Greases PC24
Sub category: Liquids or Pastes

C. List for Process Categories (PROC): Use in closed batch process (synthesis or formulation) PROC3

D. Description for Environmental Release Categories (ERC): ERC 8D

Wide dispersive outdoor use of processing aids in open systems - automotive and bicycle care products (lubricants)

Lubricants and lubricant additives	Substances entrained between two surfaces and thereby used to reduce friction: oils; fats; waxes; friction reducing additives
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