



TKB TRADING, LLC
1101 9th Avenue
Oakland, CA 94606
Tel: 510-922-9027
www.tkbtrading.com

SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE:	Castor Oil – USP
SUPPLIER NAME:	TKB TRADING, LLC 1101
SUPPLIER ADDRESS:	9th Avenue
	Oakland, CA 94606
TELEPHONE NUMBER:	510-922-9027

02. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

SAFETY DATA RATINGS (PROVIDED HERE FOR YOUR CONVENIENCE):

HEALTH RATING:	1 - Slight
FLAMMABILITY RATING:	1 - Slight
REACTIVITY RATING:	0 - None
CONTACT RATING:	1 - Slight
LAB PROTECTIVE EQUIP:	Goggles; lab coat.
STORAGE COLOR CODE:	Orange (General Storage)

POTENTIAL HEALTH EFFECTS:

INHALATION:	No adverse health effects expected from inhalation.
INGESTION:	No adverse effects expected. Large oral doses may cause spasmodic intestinal or abdominal pain.
SKIN CONTACT:	Not expected to be a health hazard from skin exposure. May cause mild irritation and redness.
EYE CONTACT:	No adverse effects expected. May cause mild irritation, possible reddening.
CHRONIC EXPOSURE:	No information found.
AGGRAVATION OF PRE-EXISTING CONDITIONS:	No information found.

03. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	Castor Oil
CHEMICAL IDENTIFICATION:	INCI Name: <i>Ricinus Communis</i>
	CAS No.: 8001-79-4
	PERCENT: 99 - 100%
	HAZARDOUS: Yes

04. FIRST AID MEASURES

INHALATION:	Not expected to require first aid measures.
INGESTION:	If large amounts were swallowed, give water to drink and get medical advice.
SKIN CONTACT:	Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.
EYE CONTACT:	Not expected to require first aid measures. Wash thoroughly with running water. Get medical advice if irritation develops.

05. FIRE FIGHTING MEASURES

FIRE:	Not considered to be a fire hazard.
FLASH POINT:	229°C (444F) CC
AUTOIGNITION TEMPERATURE:	449°C (840F)
EXPLOSION:	Not considered to be an explosion hazard.
FIRE EXTINGUISHING MEDIA:	Use any means suitable for extinguishing surrounding fire. Water or foam may cause frothing.
SPECIAL INFORMATION:	Use protective clothing and breathing equipment appropriate for the surrounding fire.

06. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Small amounts of residue may be flushed to sewer with plenty of water.

07. HANDLING & STORAGE

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Protect from excessive heat. Protect from freezing.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:	None established.
VENTILATION SYSTEM:	In general, dilution, ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
PERSONAL RESPIRATORS (NIOSH APPROVED):	Airborne exposure is not expected to be a problem under ordinary handling conditions.

SKIN PROTECTION:	Wear protective gloves and clean body-covering clothing.
EYE PROTECTION:	Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

09. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Light yellow viscous liquid
ODOR:	Slight characteristic odor
SOLUBILITY:	Negligible (< 0.1%)
SPECIFIC GRAVITY:	0.958-0.969 @ 15/15.5°C
PH:	No information found.
% Volatiles by volume @ 21C (70F):	100
BOILING POINT:	313°C (595°F)
MELTING POINT:	-10°C (14°F)
VAPOR DENSITY (AIR=1):	Not applicable
VAPOR PRESSURE (MM HG):	Not applicable
EVAPORATION RATE (BUAC=1):	No information found

10. STABILITY & REACTIVITY

STABILITY:	Stable under ordinary conditions of use and storage.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon dioxide and carbon monoxide may form when heated to decomposition.
HAZARDOUS POLYMERIZATION:	Will not occur
INCOMPATIBILITIES:	Strong oxidizers
CONDITIONS TO AVOID:	Excessive heat, freezing and incompatibles

11. TOXICOLOGICAL INFORMATION

No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a tumorigen.

-----\Cancer Lists\-----			
---NTP Carcinogen---			
Ingredient	Known	Anticipated	IARC Category
Castor Oil (8001-79-4)	No	No	None

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:	No information found.
ENVIRONMENTAL TOXICITY:	No information found.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

CHEMICAL INVENTORY STATUS - PART 1:

INGREDIENT	TSCA	EC	Japan	Australia
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Castor Oil (8001-79-4)	Yes	Yes	No	Yes

CHEMICAL INVENTORY STATUS - PART 2:

--Canada--

INGREDIENT	Korea	DSL	NDSL	Phil.
Castor Oil (8001-79-4)	Yes	Yes	No	Yes

FEDERAL, STATE & INTERNATIONAL REGULATIONS - PART 1:

	-SARA 302-	-----SARA 313-----		
INGREDIENT		RQ	TPQ	List Chemical Catg.
Castor Oil (8001-79-4)	No	No	No	No

FEDERAL, STATE & INTERNATIONAL REGULATIONS - PART 2:

-RCRA- -TSCA-the CPR.

INGREDIENT	CERCLA	261.33	8(d)
Castor Oil (8001-79-4)	No	No	No

CHEMICAL WEAPONS CONVENTION:

TSCA 12(b):	No
CDTA:	No

SARA 311/312:

ACUTE:	No
CHRONIC:	No
FIRE:	No
PRESSURE:	No

REACTIVITY:	No	(Pure / Liquid)
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AUSTRALIAN HAZCHEM CODE:
POISON SCHEDULE:
WHMIS:

None allocated.
None allocated.
This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

NFPA RATINGS:

HEALTH:

0

FLAMMABILITY:

1

REACTIVITY:

0

LABEL HAZARD WARNING:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

LABEL PRECAUTIONS:

None.

LABEL FIRST AID:

Not applicable.

PRODUCT USE:

Laboratory Reagent.

REVISION INFORMATION:

No Changes.

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although TKB Trading, LLC believes the above information to be accurate based on the information available to TKB, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from TKB meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to TKB Trading, LLC standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.