

MATERIAL SAFETY DATA SHEET

1 Chemical Product and Company Identification		
*	MSDS Name	Castor Oil
*	CAS No.:	8001-79-4
*	Synonyms	Ricinus oil, Aromatic castor oil, First Special Grade Refined Castor Oil, FSG castor Oil
*	Molecular Weight	Not Applicable
*	Chemical Formula	Not Applicable
*	Supplier	Rajena Agro Products Pvt. Ltd. Sidhpur, Gujarat
*	Buyer Name	Tekpol Teknik Polyuretan San Ve Tic Istanbul

2 Hazards Identification	
*	Apperance : Pale yellow Liquid. May cause eye and skin irritation. May cause respiratory and digestive tract irritation
*	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.

POTENTIAL HEALTH EFFECTS

*	Eyes	May cause mild irritation No adverse effects expected.
*	Inhalation	No adverse health effects expected from inhalation.
*	Skin Contact:	Not expected to be a health hazard from skin exposure. May cause mild irritation and redness.
*	Ingestion:	No adverse effects expected. Large oral doses may cause spasmodic intestinal or abdominal pain.
*	Chronic Exposure:	No information found

3 First Aid Measures		
*	Eye Contact	Not expected to require first aid measures. Wash thoroughly with running water. Get medical advice if irritation develops.
*	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.

4 Fire Fighting Measures		
*	Fire	Flash point: 229C (444F) CC, Autoignition temperature: 449C (840F) Not considered to be a fire hazard.
*	Fire Extinguishing Media:	Use any means suitable for extinguishing surrounding fire. Water or foam may cause frothing.

* Explosion:	Not considered to be an explosion hazard.
* Special Information:	Use protective clothing and breathing equipment appropriate for the surrounding fire
5	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.

6	Handling and 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

7	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.
*	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.
*	Skin Protection	Wear protective gloves and clean body-covering clothing.
*	Personal Respirators (NIOSH Approved):	Airborne exposure is not expected to be a problem under ordinary handling conditions

8	Physical and Chemical Properties	
*	Appearance:	Light yellow viscous liquid
*	Odor:	Slight characteristic odor
*	Solubility:	Negligible (< 0.1%)
*	Relative Density@ 40 Deg C	0.954-0.960 (gm/m)
*	Boiling Point:	313C (595F)
*	Melting Point:	-10C (14F)
*	Vapor Density (Air=1)	Not applicable
*	Vapor Pressure (mm Hg)	Not applicable
*	Evaporation Rate (BuAc=1):	No information found.

9	Stability and 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.
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10	Toxicological Information			
*	No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a tumorigen			
*	Ingredient Category	NTP known	Carcinogen anticipated	IARC
	Castor Oil (8001-79-4)	NO	NO	NONE

11	Ecological Information			
*	Environmental Toxicity	No information found		
	Environmental Fate	No information found		

12	Transport Information			
*	Not regulated			

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	Regulatory Information				
*	-Chemical Inventory Status – Part 1				
	Ingredient	TSCA	EC	Japan	Australia
	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				
	Ingredient	SARA 302 RQ	SARA 302 TPQ	SARA 313 List	SARA 313 Chemical catg
	Castor Oil (8001-79-4)	No	No	No	No
*	Federal, State & International Regulations – Part 2				
	Ingredient	RCRA- CERCLA	TSCA 261.33	8(d)	
	Castor Oil (8001-79-4)	No	No	No	

*	Australian Hazchem Code	None allocated.
	Poison Schedule	None allocated.
	WHMIS	This MSDS 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.

15	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:	Industrial Application		

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