



PACIFIC COAST CHEMICAL COMPANY

Safety Data Sheet Pac-Oil EVCO (Castor Oil)

SECTION 1: Identification

1.1 Product identifier

Product name	Pac-Oil EVCO (Castor Oil)
EC no.	232-293-8
CAS no.	8001-79-4

1.3 Recommended use of the chemical and restrictions on use

Chemical intermediate

1.4 Supplier's details

Name	Pacific Coast Chemical Company
Address	2424 Fourth Street Berkeley, CA 94710 USA
Telephone	(510) 549-3535
Fax	(510) 549-0890

1.5 Emergency phone number(s)

Chemtrec: 1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

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5.3 Special protective actions for fire-fighters

Basic Fire Fighting Guidance:

Evacuate area and fight fire from a safe distance.

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.

Flammability Classification (OSHA):

Combustible Liquid - Class III B

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuation Procedures:

Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Special Instructions:

Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

6.2 Environmental precautions

Prevent releases to soils, drains, sewers, and waterways.

6.3 Methods and materials for containment and cleaning up

Containment Techniques and Clean-up Procedures:

For small spills, use suitable absorbent material and collect for later disposal. Do not allow the spilled product to enter public drainage system or open waterways. LARGE SPILLS: Shut off leak if safe to do so. Contain the discharged material. Material can then be collected for later disposal. For large spills, the area may require diking to contain the spill.

Special Reporting Requirements:

Not applicable.

Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, absorbent and clean up material disposal instructions.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear appropriate protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material. No special handling equipment required.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry place. Keep away from strong acids and oxidizing agents.

Incompatibility: Incompatible with oxidizing materials.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

All appropriate engineering controls should be used to minimize exposure potential. Use exhaust ventilation to keep airborne concentrations below exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Chemical goggles or face shield where necessary.

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3.1 Substances

EC no.	232-293-8
CAS no.	8001-79-4
Other names / synonyms	TANGANTANGAN OIL; RICINUS OIL

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	No specific treatment is necessary since this material is not likely to be hazardous by inhalation. Remove from exposure. If not breathing, give artificial respiration and call a physician.
In case of skin contact	Wash thoroughly after skin contact. Get medical attention if irritation develops or persists.
In case of eye contact	Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. Seek medical advice if symptoms persist.
If swallowed	If swallowed, do not induce vomiting. Get prompt medical attention. Do not give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

Acute:

Contact with eyes may cause slight irritation. Prolonged or repeated skin contact may cause skin irritation in some individuals. Single exposure to inhaling vapors or mist is not likely to be hazardous. Not likely to be toxic by ingestion. Single dose oral toxicity is low.

Delayed Effects:

None known.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Thermal Exposure:

Not applicable.

Note to Physician:

No additional first aid information available

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Alcohol foam, carbon dioxide, dry chemical. Water spray

5.2 Specific hazards arising from the chemical

Hazardous Products of Combustion:

Toxic fumes and/or vapors may be released upon burning, but their composition has not yet been determined.

Potential for Dust Explosion:

not available

Special Flammability Hazards:

Material may burn, but does not ignite readily. Avoid high temperature.

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Skin protection

Impervious gloves, boots, and clothing.

Body protection

Impervious gloves, boots, and clothing, chemical goggles or face shield where necessary, and a NIOSH approved chemical cartridge respirator or supplied air breathing apparatus.

Respiratory protection

Observe OSHA regulations for respirator use (29 CFR 1910.134). Air-purifying respirators must not be used in oxygen-deficient atmospheres.

Thermal hazards

Not applicable

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Clear amber liquid
Odor	Mild characteristic odor
Odor threshold	Not available
pH	Not available
Melting point/freezing point	-20°F
Initial boiling point and boiling range	Not available
Flash point	540°F (282°C) (Pensky-Martens Closed Cup)
Evaporation rate	< 1 (Butyl Acetate = 1)
Flammability (solid, gas)	Not available
Upper/lower flammability limits	Not available
Upper/lower explosive limits	Not available
Vapor pressure	Not available
Vapor density	Heavier than air
Relative density	0.985
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	840°F
Decomposition temperature	Not available
Viscosity	GH @ 25°C D+ / 7.5 stokes @ 25°C
Explosive properties	Not expected
Oxidizing properties	Not available

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as dangerously reactive.

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Not expected to occur.

10.4 Conditions to avoid

Strong oxidizers.

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10.5 Incompatible materials

Incompatible with oxidizing materials.

10.6 Hazardous decomposition products

Products of incomplete combustion may include CO, CO₂ and dense smoke.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Acute Oral LD50:

Oral LD50 (rat) > 5000 mg/kg

Acute Dermal LD50:

Not available.

Acute Inhalation LC50:

Not available.

Other Toxicity Data:

Draize score (rabbit) 0.25 Not applicable.

Skin corrosion/irritation

Skin Irritation:

Mildly irritating to skin.

Skin Sensitization:

No data available.

Serious eye damage/irritation

Mildly irritating to eyes.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

Eye irritancy, rabbit: 500 mg - mild

Skin irritancy, rabbit: mild

Skin irritancy, human (48 hour patch test): not irritating

SECTION 12: Ecological information

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Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Not available.

Results of PBT and vPvB assessment

Not available.

SECTION 13: Disposal considerations

Disposal of the product

US EPA Waste Number: Non-Hazardous. Classification of Waste as Manufactured: Spent or discarded material is not expected to be a hazardous waste.

(per US Regulations) Note: Generator is responsible for proper waste characterization. State hazardous waste regulations may differ substantially from federal regulations. Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable national, state or local laws. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Toxic Substances Control Act (TSCA) Inventory

Present

Canadian Domestic Substances List (DSL)

DSL

Japanese Existing and New Chemical Substances (ENCS)

(8)-600

Korean Existing Chemicals List (KECL)

KE-04979

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Australian Inventory of Chemical Substances (AICS)
Present

Philippine Inventory of Chemicals and Chemical Substances (PICCS)
Present

Swiss Inventory of Notified New Substances
G-5398

SARA 313 Components
Not Listed

California Prop. 65 Components
Not Applicable

HMIS Rating

Health	1
Flammability	1
Physical hazard	0
Personal protection	

NFPA Rating

Health hazard	1
Fire hazard	1
Reactivity hazard	0
Special hazard	

SECTION 16: Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.