



RV INTERNATIONAL

Pure Essentials, Naturally Crafted

GST NO: 06BGIPG9360E1ZF

Opp. Sudhanshu Maharaj Ashram, Shiv Mandir, Nimbri, Panipat, Haryana 132104

MATERIAL SAFETY DATA SHEET

Pomegranate Seed Carrier Oil

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	Pomegranate Seed Carrier Oil
Botanical Name	Punica granatum
CAS No	84961-57-9
Product Code	PMCO-101
Product Type	Natural Carrier / Base Oil — Cold Pressed
Manufacturer	RV International Brand: RVOrganica
Address	Opp. Sudhanshu Maharaj Ashram, Shiv Mandir, Nimbri, Panipat, Haryana 132104
Phone	+91 8937003005
Email	info@rvorganica.com
Website	www.rvorganica.com
Emergency Contact	Person Incharge: Golden Kumar Pandit

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Nature	Fixed Vegetable Oil — Cold Pressed from Pomegranate Seeds
Major Components	Punicic Acid / CLnA Omega-5 (65–80%), Linoleic Acid (4–8%), Oleic Acid (4–8%)
Minor Components	Stearic Acid, Palmitic Acid, Phytosterols, Natural Tocopherols (Vitamin E)
Unique Component	Punicic Acid (Omega-5 / Conjugated Linolenic Acid) — rare, found almost exclusively in pomegranate
Hazardous Ingredients	None identified
REACH Status	Not classified as a hazardous substance

SECTION 3: HAZARDS IDENTIFICATION

GHS Classification	Not classified as a hazardous substance under GHS/CLP
Physical Hazards	Not flammable under standard storage conditions (Flash Point >285°C)
Health Hazards	Non-toxic at normal use levels; rare sensitisation possible in individuals with pomegranate allergy
Environmental Hazards	Readily biodegradable; low environmental concern
Signal Word	None
Hazard Statements	None under GHS classification
Special Note	Punicic acid undergoes oxidation over time — use within recommended shelf life to prevent rancid p

SECTION 4: FIRST AID MEASURES

Eye Contact	Rinse thoroughly with clean water for 10–15 minutes. Seek medical attention if irritation persists.
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Skin Contact	Wash area with soap and water. Conduct patch test before first full use. Discontinue on allergic reaction.
Ingestion	Not intended for internal consumption in this form. If ingested in large quantities, seek medical advice.
Inhalation	Non-volatile at room temperature. No significant inhalation risk under normal use.
Note to Doctor	Treat symptomatically. Evaluate for Punica granatum (pomegranate) sensitivity if reaction occurs.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point	> 285°C (COC Method)
Auto Ignition Temperature	> 340°C (Estimated)
Flammability	Not flammable under normal storage and use conditions
Suitable Extinguishing Media	CO ₂ , dry chemical powder, foam — water spray for large fires
Hazardous Combustion Products	CO, CO ₂ , and irritant organic vapours upon combustion
Special Precautions	Wear full protective equipment and self-contained breathing apparatus in fire situations

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear non-slip footwear — spilled oil creates significant slip hazard. Use gloves.
Environmental Precautions	Prevent entry into drains, watercourses, or soil in large quantities.
Cleanup Method	Absorb with dry inert material (sand, earth, vermiculite). Collect in labelled containers for disposal.
Small Spills	Wipe up with absorbent cloth. Clean surface with warm soapy water.

SECTION 7: HANDLING AND STORAGE

Handling	Avoid contamination. Keep away from heat, light, and air exposure. Use clean, dry, airtight equipment.
Storage Conditions	Store below 25°C in a cool, dark, well-ventilated place. Refrigerate after opening to prevent oxidation.
Container Material	Store in original container or dark amber glass / HDPE. Avoid contact with iron or copper — can accelerate oxidation.
Shelf Life	2 Years (sealed). Use within 6 months of opening when stored refrigerated.
Special Note	Pomegranate Seed Oil is exceptionally high in polyunsaturated punicic acid — proper cold storage is essential.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	Not established (natural carrier oil)
Engineering Controls	Good general ventilation is sufficient for normal cosmetic use
Respiratory Protection	Not required for normal use
Hand Protection	Gloves recommended for prolonged handling or for those with pomegranate sensitivity
Eye Protection	Not required for normal cosmetic use; safety glasses in industrial settings
Skin Protection	Patch test before first use; avoid undiluted application to broken skin

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



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Appearance	Clear to Slightly Turbid Liquid
Color	Pale Yellow to Golden Yellow
Odor	Mild, Characteristic, Slightly Earthy-Nutty
Specific Gravity @ 25°C	0.924 – 0.934 g/ml
Refractive Index @ 25°C	1.472 – 1.480
Flash Point	> 285°C (COC Method)
Moisture Content	≤ 0.3%
Acid Value	≤ 3.0 mg KOH/g
Saponification Value	170 – 195 mg KOH/g
Peroxide Value	≤ 10 meq O ₂ /kg
Iodine Value	155 – 175 g I ₂ /100g
Solubility	Insoluble in Water; Miscible in Fixed and Carrier Oils
Viscosity	Low to Medium
pH	Not Applicable (anhydrous oil)

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions; refrigerate to prevent oxidation
Conditions to Avoid	Prolonged air exposure, heat, direct sunlight, moisture, iron/copper contact
Incompatible Materials	Strong oxidising agents; strong acids or alkalis; heavy metal ions (Fe, Cu)
Hazardous Decomposition	CO, CO ₂ , irritant organic compounds on combustion only
Polymerisation	Will not polymerise under normal conditions
Oxidation Risk	High — punicic acid (CLnA) is highly susceptible to oxidation; refrigeration is strongly recommended

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Not classified as toxic; cold-pressed natural vegetable oil
Skin Irritation	Non-irritating to most individuals; rare sensitisation in pomegranate-sensitive individuals
Eye Irritation	May cause mild transient irritation — rinse thoroughly with water
Sensitisation	Very low sensitisation potential; patch test recommended for first use
Carcinogenicity	Not classified as carcinogenic; punicic acid under active research for potential anti-tumour properties
Reproductive Toxicity	No data indicating reproductive toxicity at normal use levels
Mutagenicity	Not classified as mutagenic

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Low — readily biodegradable natural vegetable oil
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Biodegradability	Readily biodegradable under aerobic conditions
Bioaccumulation	Low potential for bioaccumulation
Mobility in Soil	Low mobility — oil adsorbs to soil particles
Water Hazard Class	Not classified as a water hazard
Disposal Notes	Do not dispose of large quantities in drains or waterways; use licensed waste contractor

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Classification	Non-hazardous — natural vegetable oil
Disposal Method	Small quantities: dispose via municipal waste. Large quantities: licensed waste disposal contractor.
Container Disposal	Rinse empty containers thoroughly. Recycle where facilities exist.
Regulatory Reference	Dispose in accordance with local, state, and national environmental regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number	Not regulated — not classified as dangerous goods for transport
Proper Shipping Name	Not applicable
Hazard Class	Not applicable
Packing Group	Not applicable
Marine Pollutant	No
Special Precautions	Protect from heat and light during transport; keep below 25°C; prevent leakage

SECTION 15: REGULATORY INFORMATION

REACH (EU)	Not classified as a substance of very high concern (SVHC)
GHS Classification	Not classified as hazardous under GHS/CLP
India MSDS	Prepared in accordance with BIS IS 1570 and international MSDS standards
Cosmetic Use	Complies with applicable cosmetic ingredient regulations for carrier oils
COSMOS / Natural	Suitable for natural and organic cosmetic formulations

SECTION 16: OTHER INFORMATION

Preparation Date	April 2026
Version	1.0
Prepared By	Quality Control, RV International
Reviewed By	Golden Kumar Pandit — Person Incharge
Tested By	Rajesh Kumar — Quality Control
Key Safety Note	Pomegranate Seed Oil is one of the richest known natural sources of Punicic Acid (Omega-5). Refri



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Disclaimer	Information provided in good faith and believed accurate at date of preparation. User is responsible
Caution	For external use only. Conduct patch test before first use. Refrigerate after opening. Keep out of rea