



RV INTERNATIONAL

Essential Oils Manufacturer & Bulk Supplier in India

GST NO. 06BGIPG9360E1ZF

Address: Opposite Sudhanshu Maharaj Ashram, Shiv Mandir, Nimbri, Panipat, Haryana 132104

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1.1 — PRODUCT IDENTIFICATION

PRODUCT NAME: SEA BUCKTHORN CARRIER OIL

BOTANICAL NAME: Hippophae rhamnoides

MOLECULAR FORMULA: NOT APPLICABLE (COMPLEX MIXTURE OF FATTY ACIDS)

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 90480-12-9

FEMA No.: NOT ASSIGNED

EXTRACTION METHOD: Cold Press / Supercritical CO2 Extraction from Sea Buckthorn Berries & Seeds

SECTION 1.2 — COMPANY IDENTIFICATION

Company Name: RV International

Address: Shiv Mandir, Ujha Rd, Opposite Sudhanshu Aashram, Nimbri, Panipat, Haryana 132104

Telephone: +91 8937003005

Email: info@rvorganica.com

Website: www.rvorganica.com

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	HAZARDOUS STATEMENT
SEA BUCKTHORN CARRIER OIL	90480-12-9	Not a hazardous substance

HAZARDOUS CLASSIFICATION: NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

Sea Buckthorn Carrier Oil is a 100% natural, cold-pressed or CO2-extracted oil obtained from the berries and seeds of Hippophae rhamnoides. It is exceptionally rich in beta-carotene and carotenoids (responsible for its distinctive deep orange colour), omega-3, omega-6, omega-7 (palmitoleic acid), and omega-9 fatty acids, as well as Vitamins C, E, and K.

SECTION 3: HAZARD IDENTIFICATION

Sea Buckthorn Carrier Oil is considered non-hazardous under normal conditions of use.

Eye Contact: May cause mild irritation — avoid direct contact

Skin Contact: Generally well-tolerated for topical use; note — may temporarily stain skin orange due to high carotenoid content

Inhalation: No significant hazard under normal use conditions



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Ingestion: Not for internal consumption as a cosmetic product

SECTION 4: FIRST AID MEASURES

Eyes: Flush with plenty of water for 15 minutes. Seek medical attention if irritation persists.

Skin: Rinse with water. Temporary orange staining may occur — wash with mild soap. Seek medical attention if irritation develops.

Ingestion: Drink water to dilute. Seek medical attention if large quantities ingested.

Inhalation: Remove to fresh air if vapour causes any discomfort.

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point: >200°C

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam

Unsuitable Media: Water (except to cool containers)

Special Firefighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus. Cool containers exposed to flame with water.

Unusual Fire & Explosion Hazards: None under normal conditions

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear gloves and eye protection. Note: oil may stain surfaces orange.

Methods for Cleaning Up: Absorb spill with dry absorbent material. Collect in suitable disposal container. Clean surface with appropriate degreaser.

- Small spills: wipe up with absorbent cloth or paper towels
- Large spills: use absorbent material; prevent entry into drains

SECTION 7: HANDLING AND STORAGE

Safe Handling: For external topical use — dilute before application (typically 1–5% in a carrier oil blend due to strong colour and potency). Avoid contact with eyes. Keep away from children.

Storage Requirements: Store in a cool, dry, dark, well-ventilated area away from heat and direct sunlight. Keep container tightly closed. Refrigeration recommended. Temperature below 25°C. Note: oil oxidises more quickly than most carrier oils — use within 12 months of opening.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Threshold Limit Value: Not established

Work Practice Controls: Standard cosmetic handling practices apply.

- Avoid direct contact with eyes
- Wash hands after handling — oil stains skin and fabric
- Use in well-ventilated areas



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Respiratory: Not required under normal use conditions

Ventilation: Normal room ventilation is sufficient

Eye: Avoid direct contact

Skin: Suitable for topical application when diluted; wear gloves to avoid skin/fabric staining during industrial handling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil

Color: Deep Orange to Red-Orange (due to high beta-carotene content)

Odor: Characteristic fruity, earthy, fatty sea buckthorn scent

Specific Gravity @25°C: 0.896

Refractive Index @25°C: 1.476

Flash Point: >200°C

Acid Value: ≤ 5.0 mg KOH/g

Saponification Value: 185 – 200 mg KOH/g

Peroxide Value: ≤ 10.0 meq/kg

Iodine Value: 145 – 165 g I₂/100g

Solubility in Water: Insoluble

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions; susceptible to oxidative rancidity if exposed to air, light, or heat

Incompatibility (Materials to Avoid): Strong oxidizing agents; prolonged exposure to air, light, and heat

Conditions to Avoid: Excessive heat, direct sunlight, moisture contamination, prolonged air exposure

Hazardous Decomposition By-products: Rancid odor and oxidative by-products may develop on prolonged exposure to air/heat

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

Sea Buckthorn Oil is a natural food-grade and cosmetic-grade ingredient with a long history of safe use.

Acute Toxicity: Not acutely toxic by oral, dermal, or inhalation routes

Irritancy: Non-irritant under normal use conditions; may cause temporary skin/fabric staining

Sensitization: Rarely sensitizing; patch test recommended for sensitive skin

Carcinogenicity: Not listed as a carcinogen

Note: Due to extremely high carotenoid content, undiluted sea buckthorn oil will temporarily stain skin orange. Always dilute to 1–5% in a carrier oil before application. Avoid use near fabrics.



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SECTION 12: ECOLOGICAL INFORMATION

Sea Buckthorn Carrier Oil is a natural, plant-derived, biodegradable material. Not expected to cause significant environmental harm under normal conditions of disposal.

SECTION 13: DISPOSAL CONSIDERATION

Waste Disposal Methods: Dispose of according to local, state and federal regulations. Small quantities may be disposed of via normal waste. Do not dispose of large quantities into waterways.

SECTION 14: OTHER REGULATORY INFORMATION

CAS NO: 90480-12-9

Hazards: Not classified as hazardous

Cosmetic Use: Suitable for use in cosmetics, skincare, hair care, and sun care formulations

Safety Phrases: For external use only. Always dilute before application (1–5%). Conduct patch test before use. May stain skin and fabrics. Keep out of reach of children. Store below 25°C away from light.

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of RV International's knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations.



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