Date 10.12.2015
Version 3.2

Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

OPUNTIA FICUS-INDICA OIL, MACERATE

1. Identification of the substance/preparation and the company

Trade name:	Opuntia ficus-indica oil, macerate
Utilization:	Raw material for cosmetic products
Supplier company identification:	**Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, office@elemental.eu
Emergency:	Tel: +40259-436.755

2. Hazards Identification

Classification according to Regulation EU 1272/2008:	Not classified as a hazardous substance. Labelling according to EU regulation 1272/2008 (GHS-Labelling) Signal word: None Pictograms: None Hazard phrases: None Safety phrases: None Other hazards: None
Classification according to EU 67/548 EEC or 1999/45/EC:	Not classified as a hazardous substance. Labelling according to EU regulation 67/548 Hazard Symbol: None Risk phrases: None Safety phrases: None

3. Composition / Information on ingredients

This product is a mixture

INCI-name:	Helianthus annuus seed oil	> 90%
CAS-number:	8001-21-6	
EINECS-number:	232-273-9	
INCI-name:	Opuntia Ficus-indica flower extract	< 10%
CAS-number:	90082-21-6	
EINECS-number:	290-109-1	

4. First Aid

Generally:	No special measures required. A medical examination is not necessary.
First aid after Inhalation:	Move to fresh air. Seek medical advice if necessary.
First aid after Skin contact:	In general product is not skin-irritating. Wash skin with soap and water.
First aid after Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
First aid after Ingestion:	No special measures required. In the event of unintentional swallowing, do not force vomiting. Seek medical attention if necessary, showing the label.
Most important symptoms and effects, acute/delayed:	No symptoms known.

5. Fire-fighting Measures



Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

Date 10.12.2015
Version 3.2

OPUNTIA FICUS-INDICA OIL, MACERATE

Suitable extinguishing media:	Foam, dry chemical powder, carbon dioxide, sand or earth
Unsuitable extinguishing media:	Do not use direct water jet on burning material.
Special protective equipment:	Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing equipment & protective clothing. Respiratory and eye protection required for fire crews when exposed to smoke or
Fire and explosion protection:	This product is made up of inflammable material with low risk. The product may only form ignitable mixtures or burn only upon heating above the flash point. However, minor contamination by lightly volatile hydrocarbons may increase the hazard. Ignition hazard at welding at the empty container. Dangerous combustion residues: smoke, carbon monoxide, carbon dioxide
Other information:	Closed containers may build up pressure when exposed to heat and should be cooled with water spray. In the case of fire: Use respirator.

6. Accidental release measures:

Personal precautions:	Remove sources of ignition, provide adequate ventilation, avoid contact with skin and eye contact. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
Environmental precautions Land spill:	Shut off source. Prevent product from entering sewerage, water courses or low lying areas. Take measures to reduce or prevent effects on ground water. Gather product mechanically if possible. Bind remainings of the product with sand or other appropriate absorbent and remove. Dispose of product and contaminated absorbents in suitable containers, as directed in section 13.
Water spill:	Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.
Methods for cleaning up:	Small spills and residues may be absorbed with material such as cloth or sawdust, washed away with water and cleaned with sodic products. Larger spillage may be pumped.

7. Handling and Storage

Precautions for safe handling:	Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Keep containers leak proof closed and dry. Protect against sun/light. Prevent spills and leakages to avoid slip hazard.
Conditions for safe storage:	Intrusion into soil to be avoided. Store the product in cool (max. at room temperature) and well-ventilated environment and keep away from sources of ignition. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations.

8. Exposure Controls and Personal Protection

Hand protection:	Wear suitable protective gloves in the event of prolonged or repeated skin contact. Gloves must be selected according to the application and duration of use at the

	workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Occupational exposure limit:	No special measures required
Eye protection:	Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes
Physical protection:	Use individual protective equipment

9. Physical and Chemical Properties

Appearance:	liquid clear
Colour:	pale yellow
Odour:	typical
Melting point / freezing point:	not available
Initial boiling point & range:	not available
Flash point:	> 240 °C
Refractive index at 20°C:	1.465 - 1.485
Relative density at 20°C:	0.910 - 0.930
Solubility:	insoluble in water; slightly soluble in ethanol, miscible with oil, soluble in ether
Viscosity at 20°C:	not determined
Auto-ignition temperature:	> 300 °C
Flamability:	not available
Explosive properties:	not available
Decomposition temperature:	not available

10. Stability and Reactivity

Reactivity:	It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents. Oxidation with atmospheric oxygen. Formation of free fatty acids
Chemical stability:	The product is stable under normal conditions
Possibility of hazardous reactions:	It presents no significant hazardous reaction. Reacts with oxidants.
Conditions to avoid:	Keep away from heat sources, open flames and sunlight.
Substances to avoid:	Avoid contact with strong oxidants
Hazardous decomposition products:	Product does not decompose at proper handling. Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. Toxicological Information

Not classified as hazardous conform EEC Dangerous Substance Directive and Dangerous Preparation Directives. If the product is used properly it will not cause any injuries to health.

Acute toxicity:	In compliance with generally accepted uses and quantities are no negative impacts to be expected. LD50 oral: not determined LD50 dermal: not determined LC50: not determined

MAYAM

Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

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Version 3.2

OPUNTIA FICUS-INDICA OIL, MACERATE

	Inhalation: There is not expected negative impact. Ingestion: There is not expected negative impact. Skin contact: There is not expected negative impact. Eye contact: There is not expected negative impact.
Skin corrosion/irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Serious eye damage/irritation	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Respiratory /skin sensitization	In compliance with generally accepted uses and quantities are no negative impacts to be expected.
Germ cell mutagenicity	There is not expected negative impact.
Carcinogenicity	There is not expected negative impact.
Reproductive toxicity	There is not expected negative impact.
STOT-single exposure	No information available
STOT-repeated exposure	No information available
Aspiration hazard	No information available

12. Ecological Information

12.1. Ecotoxicity: low
12.2. Mobility in soil: low
12.3. Degradability: Biologically well degradable
12.4. Bioaccumulation potential: possible
12.5 Various harmful effects: no information available

13. Disposal Considerations

Recommendation:	Absorb the oil with material such as cloth, paper or sawdust. Collect and dispose of waste product at an authorised disposal facility. Product remainders should not intrude in soil or waters.

14. Transport Information

General recomandations:	Not dangerous product
UN no:	not classified
Road (ADR/RID):	not classified
Air (IATA/ICAO):	not classified
Sea (IMDG):	not classified
Special precautions for user:	See section 6-8
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC:	Not defined

15. Additional Regulatory Information

EU Classification:	Not subject to classification according to CLP Regulation (EC) No. 1272/2008. Not subject to classification according to Directive 67/548/EC or Directive
Assessment of material safety:	An assessment has not been executed.

MAYAM

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16. Other Information

Disclaimer:
This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.