

SAFETY DATA SHEET FOR CARAWAY OIL

In conformity with regulation (EC) No.: 1272/2008 (also called CLP)

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY:

1.1 Product Identifier:

Name	: CARAWAY OIL	EINECS	: 288-921-6
Botanical source	: Carum carvi, L.	IFRA conformity	: yes
INCI name	: Carum carvi (Caraway) Seed Oil	FEMA	: 2238
CAS TSCA	: 8000-42-8	FDA	: 182.20
CAS EINECS	: 85940-31-4	CN code	: 3301.29.60

1.2 Details Of The Supplier Of The Safety Data Sheet:

EGYPTIAN HERBARIUM - 114, Zakaria Ghoneim Str.- 21321 Alexandria / EGYPT
Tel 03 59 15 864 - Fax 03 59 26 959 – email: info@egyptianherbarium.com

1.3 Emergency Tel. No.: +20 03 59 15 864

2. HAZARDS IDENTIFICATION:

2.1 Classification of the substance or mixture:

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids,	Category 3	H226: Flammable liquid and vapour.
Acute toxicity,	Category 4	H302: Harmful if swallowed
Skin corrosion,	Category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage,	Category 1	H318: Causes serious eye damage.
Skin sensitisation,	Category 1	H317: May cause an allergic skin reaction.
Aspiration hazard,	Category 1	H304: May be fatal if swallowed and enters airways.
Long-term aquatic hazard,	Cat. 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word : Danger

Hazard Statements : H226: Flammable liquid and vapour .
H302: Harmful if swallowed
H304: May be fatal if swallowed and enters airways.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction
H411: Toxic to aquatic life with long lasting effects.

Precaution Statements:

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative

3. COMPOSITION / INFORMATION ON INGREDIENTS:

3.1 Substances

UVCB (Substance of Unknown or Variable composition, Complex reaction products or Biological materials).

Hazardous components

Identifier	Chemical name	Concentration (% w/w)	Classification	Concentration limits
CAS-no : 8000-42-8 EC-no : 288-921-6	Caraway Oil	90 - 100	Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	-

3.2 Mixtures

Not applicable
For explanation of abbreviations see section 16.

4. FIRST-AID MEASURES:

4.1 Description of first aid measures

- General advice** : Do not leave the victim unattended.
- If inhaled** : If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
- In case of eye contact** : Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
- If swallowed** : Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Risks** : Harmful if swallowed. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Causes serious eye damage. Causes severe burns.

4.3 Indication of any immediate medical attention and special treatment needed

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

5. FIRE FIGHTING MEASURES:

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during Firefighting : May release toxic, irritating and/or corrosive gases.

Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary

Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions : Dangerous for the environment
Should not be released into the environment.

Try to prevent the material from entering drains or water courses.

Do not allow contact with soil, surface or ground water.

If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE:

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage : No materials to be especially mentioned.

Other data : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROL / PERSONAL PROTECTION:

8.1 Control parameters

Contains no substances with occupational exposure limit values.



8.2 Exposure controls

Respiratory protection:

PPE: Filtering mask for protection against vapours and particles.

Characteristics: «CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.

CEN standards: EN 136, EN 140, EN 149, EN 405

Maintenance: It must not be stored in places exposed to high temperatures or humidity before use. The condition of the inhalation and exhalation valves of the facial adapter should be specifically checked.

Remarks: Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles P1-P2-P3) and vapours (A-B-E-K-AX) changing them as advised by the manufacturer.

Hand protection:

PPE: Protective gloves.
Characteristics: «CE» marking, category II.
CEN standards: EN 374-1, EN 374-2, EN 374-3, EN 420



Maintenance: They should be kept in a dry place, away from possible sources of heat, and exposure to sunlight should be avoided as much as possible. Changes that could alter the gloves' resistance should not be made, nor should paints solvents or adhesives be applied.

Remarks: They should be replaced whenever tears, cracks or deformations are found and when external dirt may reduce their resistance. The gloves should be of the correct size and fit the hand without being too loose or too tight. They must always be used with clean, dry hands.

NITRILE: The list of chemical products against which the glove has been tested should be reviewed.

Eye protection:

PPE: Protective goggles with built-in frame.
Characteristics: Category II CE marking. Eye protector with integral frame for protection against dust, fumes, mists, vapours and splashes.
CEN standards: EN 166



Maintenance: Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.

Remarks: Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.


Skin protection:

PPE: Chemical protective clothing.
Characteristics: «CE» marking, category III. Clothing should fit properly. The level of protection must be set according to a test parameter called BT (Breakthrough Time), which indicates how long it takes for the chemical to pass through the material.
CEN standards: EN 464, EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034



Maintenance: In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.

Remarks: The protective clothing's design should facilitate correct positioning, staying in place without moving for the period of use expected, bearing in mind environmental factors as well as any movement or position the user might adopt while carrying out the activity.

PPE:	Anti-static safety footwear against chemicals.	
Characteristics:	«CE» marking, category III. Check the list of chemicals against which the footwear is resistant.	
CEN standards:	EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20345	
Maintenance:	For correct maintenance of this safety footwear, the instructions specified by the manufacturer must be followed. The footwear must be replaced in the event of any sign of deterioration.	
Remarks:	The footwear should be cleaned regularly and dried when damp, although it should not be placed too close to a source of heat in order to avoid any sharp changes in temperature.	

9. PHYSICAL AND CHEMICAL PROPERTIES:

Odor	: Warm, spicy, woody-herbaceous aroma.
Appearance	: Pale yellow to orange yellow colored liquid
Solubility in water	: Insoluble.
Solubility in alcohol	: N/A
Liposolubility	: Liposoluble
Relative Density @20°C	: 0.902 - 0.965
Refractive index @20°C	: 1.483 - 1.497
Optical rotation @20°C	: +50° to +81°
Acid value	: N/A
Ester value	: N/A
Flashpoint	: >100°C

10. STABILITY AND REACTIVITY:

10.1 Reactivity:

It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

10.2 Chemical stability:

No decomposition if stored and applied as directed

10.3 Possibility of hazardous reactions:

Hazardous reactions:

Stable under recommended storage conditions. No hazards to be specially mentioned

10.4 Decomposition:

Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

Under conditions described in point 7, the product is stable during 2 years (minimum) in an original closed packaging.

11. TOXICOLOGICAL INFORMATION:

Ingestion effect: DL50 oral (Mouse) : >5,000 mg/kg

Skin contact effect: DL50 dermal (Rabbit) : >5,000 mg/kg

Information on toxicological effects

Acute toxicity Harmful if swallowed.
Skin corrosion/irritation Causes severe burns.
Serious eye damage/eye irritation Causes serious eye damage.
Skin sensitization May cause an allergic skin reaction.
Respiratory sensitization Not classified based on available information.
Germ cell mutagenicity Not classified based on available information.
Carcinogenicity Not classified based on available information.
Reproductive toxicity Not classified based on available information.
STOT - single exposure Not classified based on available information.
STOT - repeated exposure Not classified based on available information.
Aspiration toxicity May be fatal if swallowed and enters airways

12. ECOLOGICAL INFORMATION:

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information: No data available

13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT REGULATIONS:

14.1 UN number

ADR : UN 2920
RID : UN 2920
IMDG : UN 2920
IATA : UN 2920

14.2 UN proper shipping name

ADR : CORROSIVE LIQUID, FLAMMABLE, N.O.S.
RID : CORROSIVE LIQUID, FLAMMABLE, N.O.S.
IMDG : CORROSIVE LIQUID, FLAMMABLE, N.O.S.
IATA : CORROSIVE LIQUID, FLAMMABLE, N.O.S.

14.3 Transport hazard class(es)

ADR : 8 (3)
RID : 8 (3)
IMDG : 8 (3)
IATA : 8 (3)

14.4 Packing group

ADR
Packing group : II
Classification Code : CF1
Hazard Identification Number : 83
Labels : 8 (3)
Tunnel restriction code : (D/E)

RID
Packing group : II
Classification Code : CF1
Hazard Identification Number : 83
Labels : 8 (3)

IMDG
Packing group : II
Labels : 8 (3)
EmS Code : F-E, S-D

IATA (Cargo)

Packing instruction (cargo aircraft) : 855
Packing instruction (LQ) : Y840
Packing group : II
Labels : Corrosive, Flammable Liquids

IATA (Passenger)

Packing instruction : 851
(passenger aircraft)
Packing instruction (LQ) : Y840
Packing group : II
Labels : Corrosive, Flammable Liquids



14.5 Environmental hazards

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

15. REGULATORY INFORMATION:

15.1 Safety, health and environmental regulations/legislation specific for the substance or Mixture

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorization (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Check:

- REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products
- REGULATION (EC) No 273/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 February 2004 on drug precursors
- REGULATION (EU) No 98/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 January 2013 on the marketing and use of explosives precursors

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

16. OTHER INFORMATION:

Abbreviations used:

EC	European Commission
EU	European Union
DG	Dangerous Goods
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Commercial chemical Substances
GHS	Globally Harmonized System
CMR	Carcinogen, Mutagen, Reprotoxic
PNEC	Predicted No Effect Concentration
EC50	Effective Concentration 50 percent
LC50	Lethal Concentration 50 percent
PBT	Persistent Bioaccumulative and Toxic
vPvB	Very Persistent Very Bioaccumulative
EWC	European Waste Catalogue
EmS	Emergency Medical Services
ADR	Transport of Dangerous Goods by Road
RID	International Carriage of Dangerous Goods by Rail
GGVSE	German Regulation on the Transport of Dangerous Goods by Road and Rail
MDG	International Maritime Dangerous Goods
ICAO-TI	International Civil Aviation Organization-Technical Instructions
IATA-DGR	International Air Transport Association-Dangerous Goods Regulation
WGK	Wassergefährdungsklassen
EPA	Environmental Protection Agency
TSCA	Toxic Substance Control Act
DSL	Dangerous Substance List

Disclaimer:

The data provided in this safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.