

Celery seed essential oil

Safety Data Sheet

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures (of Substance)

Eye contact:

Check for and remove any contact lenses. Immediately wash thoroughly with soft, clean water for 15 minutes while holding the eyelids open. Cold water may be used. If symptoms persist, seek medical attention.

Skin Contact:

Remove contaminated clothing and wash the skin thoroughly with soap and water. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to a hospital.

Inhalation:

Not likely to occur under normal conditions of use. If symptoms occur, move to fresh air and seek medical advice.

Ingestion:

Not an expected route of exposure. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the exposed person at rest. Do NOT force vomiting unless directed to do so by medical personnel. Seek immediate medical attention and show the Substance's label to medical personnel.

4.2 Most important symptoms and effects, both acute and delayed (of Substance) Eye contact:

May cause eye irritation and corneal damage if not immediately rinsed out.

Skin Contact:

No harmful effect with normal skin. If skin irritation does occur, wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

Inhalation:

Not an expected route of exposure.

Ingestion:

Not an expected route of exposure.

4.3 Indication of any immediate medical attention and special treatment needed (of Substance)

No data available.

SECTION 5: Fire-fighting measures

5.1 Flash point (Celsius/Fahrenheit)

54° C

5.2 Extinguishing media

Keep packages near the fire cool, to prevent pressurized containers from bursting.

Suitable extinguishing media: sprayed water or water mist, alcohol-resistant foam, multipurpose ABC powder, BC powder, carbon dioxide (CO₂)

Unsuitable extinguishing media: water jet (straight stream).

5.3 Specific hazards arising from the chemical

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. In the event of a fire, the following may be formed: carbon monoxide (CO) and carbon dioxide (CO₂).

5.4 Special protective actions for firefighters

Use self-contained breathing apparatus and protective clothing

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Stop leak if you can do so without risk. Consult safety measures listed under Sections 7 and 8.

For non-firefighters:

Avoid any contact with the skin and eyes.

For firefighters:

Fire-fighters will be equipped with suitable personal protective equipment (See Section 8).

6.2 Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.

6.3 Methods and material for containment and cleaning up

Absorb spill with non-combustible matter (such as detergent--do not use solvents) and transfer to containers.

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SECTION 7: Handling and storage

Requirements relating to storage premises apply to all facilities where the substance is handled.

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition – No smoking. Avoid unintentional contact with skin surfaces. Wear suitable protective clothing. Ensure good ventilation or exhaust in workplace. Do not allow contact with eyes. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention: Handle in well-ventilated areas. Vapors are heavier than air. They can spread along the ground and form mixtures that are explosive with air. Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits. Prevent the accumulation of electrostatic charges with connections to earth. Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected. Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks. Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Store in tight glass, aluminum, or double-lined containers in a dark, cool, or refrigerated area away from direct heat. The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OSHA TWA: None established
OSHA STEL: None established
ACGIH TWA: None established
ACGIH STEL: None established
NOHSC TWA: None established
NOHSC STEL: None established

8.2. Appropriate engineering controls

General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.

8.3 Individual protection measures

Personal protective equipment:

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place away from the work area. Never eat, drink, or smoke during use. Remove and wash contaminated clothing before re-using.

Eye/face protection:

Avoid contact with eyes. Use eye protectors (safety goggles in accordance with standard EN166) designed to protect against liquid splashes.

Hand protection:

Wear suitable protective gloves (resistant to chemical agents in accordance with standard EN374) in the event of prolonged or repeated skin contact. Type of gloves recommended: Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR)) or PVA (Polyvinyl alcohol).

Body protection: Flame-retardant, antistatic protective clothing.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as back-up to engineering controls.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Transparent Liquid

Color: Colorless to brownish yellow

Odor: Spicy, warm, long-lasting aroma

Miscibility in water: Insoluble

Miscibility in alcohol: Soluble

Miscibility in essential oil: Soluble

Lip solubility: Liposoluble

pH: Not specified

Boiling point/boiling range: Not specified

Flash Point: 54 °C

Vapor pressure: Not specified

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Evaporation rate: Not specified

Density: 0.867 – 0.908

Water solubility: Insoluble

Melting point/melting range: Not specified

Self-ignition temperature: Not specified

Decomposition point/decomposition range: Not specified

Refractive index @ 20 °C: 1.478 – 1.489

Partition coefficient: Not specified

Specific gravity @ 20 °C: 0.867 – 0.908

Viscosity: 0 Not specified

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

This substance is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the substance can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises. Avoid accumulation of electrostatic charges. Avoid heating, heat, flames, hot surfaces, humidity.

10.5. Incompatible materials

Alkali metals, ammonia, oxidizing agents, peroxides strong inorganic acids.

10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

Oral: LD50 (rat) > 5000 mg/kg

Dermal: LD50 (rabbit) > 5000 mg/kg

Skin corrosion/irritation:

May be irritating to skin

Serious eye damage/irritation:

Eye exposure to essential oils may irritate the eyes. Prompt rinsing and removal of the substance will avoid damage.

Respiratory or skin sensitization:

Breathing high concentrations of vapor may cause anesthetic effects.

Germ cell mutagenicity:

Not specified

Carcinogenicity:

IARH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity:

Not specified

STOT-single exposure:

Not specified

STOT-related exposure:

Not specified

Aspiration hazard:

May be fatal if swallowed and enters airways.

Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

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11.2 Information on the likely routes of exposure

Skin/scalp contact

11.3 Symptoms related to the physical, chemical, and toxicological characteristics

None known. Irritation of the eye if exposed. Redness of the skin if acting as a photosensitizer.

11.4 Delayed and immediate effects and also chronic effects from short-term and long-term exposure

Exposure to vapors from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver, and central nervous system.

Repeated or prolonged contact with the substance may cause removal of natural oil from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage.

11.6 Interactive effects

Not specified

11.7 Other information

RTECS number:

SECTION 12: Ecological information

12.1 Info summary of Ecological information

Balance of data on substance as a whole, not determined.

12.2 Eco toxicological properties of specific substances

See each category below for specific substances.

12.3 Toxicity

Acute fish toxicity:

LC50 / 96 HOUR – No data available

Toxicity to aquatic plants – No data available

Toxicity to microorganisms – No data available

Toxicity threshold – No data available

12.4 Persistence and degradability

Biodegradation is expected

12.5 Bio-accumulative potential

Bioaccumulation is unlikely

12.6 Mobility in soil

Unknown

12.7 Other adverse affect

Avoid exposure to marine environments and waterways

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not pour into drains or waterways. Observe all federal, state, and local environmental regulations. Member State-specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the materials, review and implement appropriate technical and procedural wastewater and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental release. This may include destructive techniques for waste and wastewater. In extreme situations, contact a licensed professional waste disposal service to dispose of this material.

Waste:

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC. Do not pour into drains or waterways. Waste management is carried out without endangering human health, without harming the environment, and in particular without risk to water, air, soil, plants, or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Soiled packaging:

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

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SECTION 14: Transport information

14.1 UN Number

UN 1169

14.2 UN Proper shipping name

Extracts, aromatic, liquid

14.3 Transportation hazard classes:



Class 3

14.4 Packing group, if applicable

III

14.5 Environmental hazards



Environmentally hazardous material

14.6 Special precautions for user

Not specified

14.7 Transport in bulk according to Annex II of MARPOL 73/78° and IBC Code

Not applicable

14.8 Additional transport information

Not specified

SECTION 15: Regulatory information

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

Country	Notification
Canada	Not regulated
EU	See EU Allergens in Section 3
Hong Kong	Not regulated
Singapore	Not regulated
USA	California Prop. 65 Components This contains chemicals known to the State of California to cause cancer, birth defects, and/or reproductive harm. See Section 3 for details.

SECTION 16: Other information

Additional Information

This essential oil is phototoxic and may cause skin irritation if skin is exposed to sun after application of the oil in pure or dilute forms. Patch test is Recommended

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