



BULKNATURALOILS.COM
JEDWARDS
INTERNATIONAL, INC.

SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE:

CAS #:

SUPPLIER NAME:

SUPPLIER ADDRESS:

TELEPHONE NUMBER:

RECOMMENDED USE:

EMERGENCY TELEPHONE NUMBER:

Key Lime Oil – Distilled Organic
8008-26-2

Jedwards International, Inc.

141 Campanelli Drive

Braintree, MA 02184 USA

(617)472-9300

For manufacturing and repackaging use only

Chemtrec 1-800-424-9300 (24 hrs)

02. HAZARD IDENTIFICATION

NAME OF COMPOUND

PERCENTAGE

R- PHRASES

CITRAL

<3.0%

R-36, 43

GERANIOL

<0.4%

R-36, 43

LIMONENE

<50%

R-36, 43

LINALOOL

<0.2%

Not classified



R-10:

R-38:

R-43:

R-65:

S-02:

S-16:

S-36/37:

S-62:

Flammable.

Irritating to skin.

May cause sensitization by skin contact.

Harmful: May cause lung damage if swallowed.

Keep out of the reach of children.

Keep away from sources of ignition - No smoking.

Wear suitable protective clothing and gloves.

If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label

Classification according to regulation EC No 1272/2008



May cause mild health effects



Very toxic to aquatic life



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Harmful in contact with skin and eye



Flammable liquid (flash point 114°F/45.56°C)

Hazardous in cases of skin contact irritants, and eye contact irritants.

Acute oral toxicity (LD50):	>5000mg/kg Rat.
Acute dermal toxicity (LD50):	>5000mg/kg Rabbit.

Environmental mishandling that can contaminate with soil, ground, and surface water.

03. COMPOSITION/INFORMATION ON INGREDIENTS

MAJOR CHEMICAL:	
ALPHA-PINENE:	.7% - 1.5%
BETA-PINENE:	1% - 3%
LIMONENE:	39% - 52%
ALPHA-TERPNEHINENE:	9% - 14%
TERPHINOLENE:	6% - 9%

04. FIRST AID MEASURES

EYE CONTACT:	Flush immediately with water for at least 15 min. Get medical treatment.
SKIN CONTACT:	Wash thoroughly with soap and water.
INHALATION:	Remove from exposure site to fresh air, if unable to access fresh air, artificial air should be given or consult a doctor.
INGESTION:	Rinse mouth with water and consult a doctor.

05. FIRE FIGHTING MEASURES

FLAMMABILITY OF PRODUCT:	Medium combustibility in room temperature
FLASH POINT:	45.56°C
PRODUCT OF COMBUSTION:	In open area carbon dioxide and water. Under limit factor may produce carbon monoxide.
EXTINGUISHING MEDIA:	Carbon Dioxide, Dry Chemical, Foam. Do not use direct water jet on burning materials.
SPECIAL PROTECTIVE ACTION FOR FIRE FIGHTERS:	Try to keep container walls cool with water spray.



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06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION:

CONTACT WITH SKIN, EYES, AND INHALATION:

ENVIRONMENTAL PRECAUTIONS:

METHOD AND MATERIAL FOR
CONTAINMENT AND CLEANUP:

First remove ignition source.

Use protective equipment for eyes,
nose, mouth and hands.

Do not allow to drain into surface, ground water, and
soil.

Provide adequate ventilation to avoid excess inhalation
of vapor. Spillage should be cleaned immediately by
use of sand or inert powder and kept without
contaminating the environment.

07. HANDLING & STORAGE

HANDLING:

STORAGE:

FIRE PROTECTION:

Apply good manufacturing and industrial hygiene
practices. Use proper equipment. Do not eat or drink
while handling.

Store in a cool dry and ventilated area away from heat
sources, protected from light, and under a nitrogen
surface.

Keep away from ignition source and flame.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETER:

APPROPRIATE ENGINEERING:

INDIVIDUAL PROTECTION:

Keep in cool condition. Higher moisture level of skin
means less permeable.

Provide exhaust ventilation and other engineering
control to keep the air borne concentration of weeper
below their respective threshold value limit. Ensure
that eye wash stations and safety showers are
proximal to the work station location.

Personal protective equipment. General protective and
hygienic measures. Do not eat, drink, smoke, or sniff
while working. Keep away from food stuffs, beverages,
and feed. Immediately remove all soiled and
contaminated clothing. Wash hands before break and
at the end of work and avoid contact with eyes and
skin.

RESPIRATORY PROTECTION:

Use suitable respiratory device only when vapors are
generated.

PROTECTION OF HANDS:

Protective gloves.





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EYE PROTECTION:

The glove material has to be impermeable and resistant to the product. Due to missing test no recommendation to the glove material can be given for the product. Select glove material with consideration of penetration time, rate of the diffusion, and degradation.



Tightly sealed goggles.

BODY PROTECTION:



Protective work clothing.

09. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:

ODOR:

ODOR THRESHOLD:

PH:

MELTING POINTS/FREEZING POINTS:

INITIAL BOILING POINT AND BOIL RANGE:

FLASH POINT:

EVAPORATION RATE:

UPPER FLAMMABILITY OR EXPLOSIVE LIMIT:

Natural variation

Specific lime

Not available

Not applicable

Not available

182°C

45.56°C

Not available

Not available

VAPOR PRESSURE (liquid/sub cooled):

VAPOR DENSITY:

SPECIFIC GRAVITY:

SOLUBILITY:

PARTITION COEFFICIENT: N/OCTANOL/WATER:

AUTO/IGNITION:

VISCOSITY:

19.1 Pa (0.143 mm Hg)

Not available

.8580-.8610

Insoluble in cool water, hot water, ethanol

Not available

Not available

Not available



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10. STABILITY & REACTIVITY DATA

REACTIVITY:

Presents no significant reactivity hazard by itself or in contact with water.

CHEMICAL STABILITY:

The product is stable.

POSSIBILITY OF HAZARDED REACTION:

Oxidizing agent, acid alkali, light and air conditions to avoid under nitrogen surface.

INCOMPATIBLE MATERIAL:

Polythene.

HAZARDOUS DECOMPOSITION PRODUCT:

Carbon monoxide may be performing during combustion.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:

INHALATION:

Cooling system is not functioning properly during processing.

SKIN:

Low moisture content on the skin.

INGESTION:

Hands are not properly washed before and after processing.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS: DELAYED, IMMEDIATE, AND CHRONIC EFFECT FROM SHORT TERM AND LONG TERM EXPOSURE:

Irritating to the eye, may sensitize by skin contact.

IMMEDIATE EFFECT:

Burning sensation.

DELAYED EFFECT:

Not available.

NUMERICAL MEASURES OF TOXICITY:

ACUTE ORAL TOXICITY (LD50):

>5000mg/kg rat

ACUTE DERMAL TOXICITY (LD50):

>5000mg/kg rabbit

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

AQUATIC TOXICITY:

Quantitative data on the ecological effects of this product are not available.

REMARKS:

Do not allow to enter water, waste water, or soil. Toxic to aquatic organisms.

PERSISTENCE AND DEGRADABILITY:

Sensitivity to air, light, oxidizing agent, acid and alkali, however long term degradation of product may arise.

BIO ACCUMULATIVE PRETENTION:

This product is unlikely to accumulate in the environment.

MOBILITY IN SOIL:

Some little portion dissolves in the water and moves.

OTHER ADVERSE EFFECTS:

Not Available.

13. DISPOSAL CONSIDERATIONS

Waste must be disposed according to local regulation, avoid disposing in to the environment.

14. TRANSPORT INFORMATION

UN NUMBER:

UN 1197

UN PROPER SHIPPING NAME:

Extracts, flavoring, liquid



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TRANSPORT HAZARD CLASS:
PACKING GROUP:
ENVIRONMENT HAZARD:
TRANSPORT IN BULK:
SPECIAL PRECAUTION:

Class 3: Flammable liquids.
PG 111
No
Not available
Not available

15. REGULATORY INFORMATION

HAZARD SYMBOL:

XI:

Irritating to the eye.

RISK PHRASES:

R-10:

Flammable.

R-38:

Irritating to the skin.

R-43:

May cause sensitization by skin contact.

R-65:

Harmful: May cause lung damage if swallowed.

SAFETY PHRASES:

S-02:

Keep out of the reach of children.

S-16:

Keep away from source of ignition – No Smoking.

S-36/37:

Wear suitable gloves and eye/face protection.

S-62:

If swallowed do not induce vomiting: Seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

None available

Essential oils must be diluted prior to use. It is the sole responsibility of the user to determine the method and amount of dilution required for safe use, which may vary depending on the nature of the intended use. Keep away from children and pregnant women.

Revised on 7/19/2021

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.