



# SAFETY DATA SHEET

## LIME OIL DISTILLED 5-FOLD

Issue date: 04-18-2024

Revision # 0

Print date: 04-18-2024

### 1. IDENTIFICATION

**Product Description:** LIME OIL DISTILLED 5-FOLD  
**CAS #** MIXTURE  
**Other means of identification**  
**Qaroma Item #** 1041024  
**Recommended use** Used as a fragrance ingredient according to legal and IFRA guidelines.  
For Manufacturing Use Only

#### Recommended restrictions

##### Company

Qaroma Incorporated  
8055 TX-60 S  
Bay City, TX, 77414  
call: 979-244-0100

#### Manufacturer/Importer/Supplier/Distributor information

##### Manufacturer

**Company name** Qaroma Flavor & Fragrance Incorporated  
**Address** 8055 TX-60 S  
Bay City, TX, 77414  
United States  
**Telephone** For information call: 979-244-0100  
**E-mail** ehsbc@chemicalsinc.  
com

**Emergency phone number** 979-244-0100

### 2. HAZARD(S) IDENTIFICATION

#### HAZARDS

#### SKIN SENSITIZATION CATEGORY 1

H2226 Flammable liquid & Vapor  
H315 Skin irritation  
H317 Cause allergic skin reaction  
H319 Causes serious eye irritation.  
H304 May be fatal if swallowed and enters airways  
H411 Toxic to aquatic life with long lasting effects.

#### PRECAUTIONS

P261 Avoid breathing vapors/spray.  
P273 Avoid release to the environment  
P280 Wear proper PPE  
P301+P310 IF SWALLOWED immediately call the doctor  
P331 Do NOT induce vomiting.  
P305+P351+P338 IF IN EYES wash with plenty of water  
P501 Dispose of contents/container according to regulations

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Chemical name	Common names and synonyms	CAS number	EC number	Concentration(%)
Lime Oil Distilled 5-Fold	Citrus Aurantifolia Swingle	MIXTURE	NONE	100

### 4. FIRST-AID MEASURES

<b>Inhalation</b>	If breathed in, move a person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Eye contact</b>	Flush the eyes with plenty of fresh water. Get medical assistance immediately
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Symptoms</b>	It can cause pulmonary edema and pneumonitis in case of breathing
<b>Indication of immediate medical attention and special treatment needed</b>	Not available.
<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance
<b>symptoms/effects</b>	No data

**Indication of immediate medical attention and special treatment needed** Not available.

**General information** Provide all the necessary documents regarding this chemical to the physician.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Use water spray, alcohol-resistant foam, dry chemical, or carbon

**Unsuitable extinguishing media** Water with full jet

**Specific hazards arising from the chemical** Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>) and Smoke

**Special protective equipment and precautions for firefighters** Wear self-contained breathing apparatus for firefighting if necessary.

**Firefighting equipment/instructions** Use standard firefighting procedures and consider the hazards of other involved materials.

**Specific methods** No Data

**General fire hazards**

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing vapors. For personal protection see section 8.

**Methods and materials for containment and cleaning up** Wipe up little amounts with absorbent material like cloth or pulp. Water and cleansing agent  
Absorb with incombustible liquid-binding material (sand, diatomite, universal binders).

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Large Spills: Stop the flow of material if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g., cloth, fleece). Clean surface thoroughly to remove residual contamination.

Use water spray to cool unopened containers.



# SAFETY DATA SHEET

## LIME OIL DISTILLED 5-FOLD

Issue date: 04-18-2024

Revision # 0

Print date: 04-18-2024

---

**Environmental precautions** Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate the water.

### 7. HANDLING AND STORAGE

**Precautions for safe handling** Avoid contact with skin and eyes. Avoid formation of vapor and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where vapor is formed. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Handle it away from ignition source.

**Conditions for safe storage, including any incompatibilities** Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Store in a cool, well-ventilated area.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational Exposure limit values** No Data available

**Biological limit values** No Data available

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles). Wear safety glasses with side shields (or goggles). Face shield is recommended.

**Skin protection** Wear impervious clothing. The type of protective equipment must be selected according to the concentration and number of dangerous substances at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Hand protection** Chemical resistant gloves.

**Other** Use of an impervious apron is recommended.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** No Data available.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Yellowish Liquid.
<b>Physical state</b>	Liquid.
<b>Color</b>	Yellow.
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	>35 °C
<b>Flash point</b>	184.0 °F (84.4 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	<b>Not Soluble</b>
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Molecular formula</b>	NA
<b>Oxidizing properties</b>	Not available.
<b>Specific gravity</b>	0.91 at 25 °C



# SAFETY DATA SHEET

## LIME OIL DISTILLED 5-FOLD

Issue date: 04-18-2024

Revision # 0

Print date: 04-18-2024

---

### 10. STABILITY AND REACTIVITY

<b>Reactivity Chemical stability</b>	No Data available
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No Data available
<b>Conditions to avoid</b>	Heat, flames, and sparks.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions.

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

<b>Inhalation</b>	No Data available.
<b>Skin contact</b>	Cause irritation.
<b>Eye contact</b>	If comes in contact with eyes can cause irritation.
<b>Ingestion</b>	Aspirated into the lungs through ingestion may cause serious chemical pneumonia.

**Symptoms related to the physical, chemical, and toxicological characteristics**      Aspiration may cause pulmonary edema and pneumonitis.

#### Information on toxicological effects

**Acute toxicity**      No Data available.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**      No Data available.

**Persistence and degradability**      No data is available on the degradability of this product.

**Bio accumulative potential**

**Mobility in soil**      No data available.

**Other adverse effects**      No Data available.



# SAFETY DATA SHEET

## LIME OIL DISTILLED 5-FOLD

Issue date: 04-18-2024

Revision # 0

Print date: 04-18-2024

### 13. DISPOSAL

<b>Disposal instructions</b>	<b>Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used containers. Dispose of contents/container in accordance with local/regional/national/international regulations.</b>
<b>Local disposal regulations</b>	<b>Dispose in accordance with all applicable regulations.</b>
<b>Waste from residues</b>	<b>Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner</b>
<b>Contaminated packaging</b>	Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

### 14. TRANSPORTATION

#### ADN

UN number 3082  
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIME OIL FOLDED)  
Transport hazard class(es) 9  
Subsidiary class(es) -  
Packing group III  
Environmental hazards Yes  
Labels required 9

#### ADR

UN number 3082  
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIME OIL FOLDED)  
Transport hazard class(es) 9  
Subsidiary class(es) -  
Packing group III  
Environmental hazards Yes  
Labels required 9

#### RID

UN number 3082  
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIME OIL FOLDED)  
Transport hazard class(es) 9  
Subsidiary class(es) -  
Packing Group III  
Environmental Hazards Yes  
Labels required 9  
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

#### DOT BULK

UN number NA1993  
Proper shipping name COMBUSTIBLE LIQUID, N.O.S. (LIME OIL FOLDED)



# SAFETY DATA SHEET

## LIME OIL DISTILLED 5-FOLD

Issue date: 04-18-2024

Revision # 0

Print date: 04-18-2024

Hazard class Combustible liq  
Packing group III  
Marine pollutant Yes  
Environmental hazards  
Packaging exceptions 150  
Packaging bulk 241  
Labels required None

### DOT NON-BULK

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIME OIL FOLDED)

Transport hazard class(es) 9

Subsidiary class(es) -

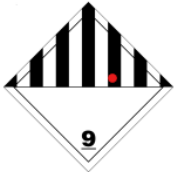
Packing group III

Marine pollutant Yes

Environmental hazards

Labels required 9

ADN; ADR; IMDG; RID



Marine pollutant



## 15. REGULATORY INFORMATION

### OSHA Hazards

Combustible Liquid

### SARA 304 Emergency release notification

SARA 304: Not regulated

### SARA 313 Components

SARA 313: Not regulated

### SARA 311/312 Hazards

No

### Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.





# SAFETY DATA SHEET

## LIME OIL DISTILLED 5-FOLD

Issue date: 04-18-2024

Revision # 0

Print date: 04-18-2024

**Safe Drinking Water Act (SDWA)**  
Not regulated.