



# FATTY ACID MIX (U-13C, 98%+)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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CLM-8455

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixtures  
Product name : FATTY ACID MIX (U-13C, 98%+)  
Product code : CLM-8455

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : For professional use only

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Cambridge Isotope Laboratories, Inc.  
50 Frontage Road  
Andover, MA 01810  
USA

USA: 1-800-322-1174 Int: 1-978-749-8000  
[cilsales@isotope.com](mailto:cilsales@isotope.com) [www.isotope.com](http://www.isotope.com)

#### Emergency telephone number

Emergency numbers:

Chemtrec: 1-800-424-9300 (24 hours)  
International: 1-703-741-5970 (24 hours)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

##### GHS-US classification

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

##### GHS-US labelling

No labelling applicable

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

| Name                         | Product identifier | %   | Classification according to Directive 67/548/EEC |
|------------------------------|--------------------|-----|--|
| FATTY ACID MIX (U-13C, 98%+) |                    | 100 | Not classified                                   |

| Name                         | Product identifier | %   | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------------------|--------------------|-----|---|
| FATTY ACID MIX (U-13C, 98%+) |                    | 100 | Not classified  |

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Move out of dangerous area. Consult a physician and show this safety data sheet.                              |
| First-aid measures after inhalation   | : If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician. |
| First-aid measures after skin contact | : Wash with soap and plenty of water. Consult a physician.  |
| First-aid measures after eye contact  | : Flush eyes with water as a precaution.  |
| First-aid measures after ingestion    | : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.           |

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects                    | : Not available.  |
| Symptoms/effects after inhalation   | : May be harmful if inhaled. May cause respiratory tract irritation.  |
| Symptoms/effects after skin contact | : May be harmful if absorbed through skin. May cause skin irritation. |
| Symptoms/effects after eye contact  | : May cause eye irritation.   |
| Symptoms/effects after ingestion    | : May be harmful if swallowed.  |

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Do not let product enter drains.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

No additional information available

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                                   |  |
|-----------------------------------|--|
| Additional hazards when processed | : Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.    |
| Hygiene measures                  | : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. |

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store refrigerated (-5 °C to 5 °C). Protect from light.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.



Eye protection : Wear safety glasses with side shields (or goggles) and a face shield.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : When appropriate, use NIOSH/CEN approved respirator.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                      |
|--|----------------------|
| Physical state                             | : Solid              |
| Appearance                                 | : Liquid or Solid    |
| Colour                                     | : White to off-white |
| Odour                                      | : No data available  |
| Odour threshold                            | : No data available  |
| pH   | : No data available  |
| Relative evaporation rate (butylacetate=1) | : No data available  |
| Melting point                              | : No data available  |
| Freezing point                             | : No data available  |
| Boiling point                              | : No data available  |
| Flash point                                | : No data available  |
| Auto-ignition temperature                  | : No data available  |
| Decomposition temperature                  | : No data available  |
| Flammability (solid, gas)                  | : No data available  |
| Vapour pressure                            | : No data available  |
| Relative vapour density at 20 °C           | : No data available  |
| Relative density                           | : No data available  |
| Solubility                                 | : No data available  |
| Log Pow                                    | : No data available  |
| Log Kow                                    | : No data available  |
| Viscosity, kinematic                       | : No data available  |
| Viscosity, dynamic                         | : No data available  |
| Explosive properties                       | : No data available  |
| Oxidising properties                       | : No data available  |
| Explosive limits                           | : No data available  |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Two years after receipt of order if stored as above. Re-QC after two years.

### 10.3. Possibility of hazardous reactions

No additional information available

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### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|   |   |
|---|---|
| Acute toxicity                                      | : Not classified  |
| Skin corrosion/irritation                           | : Not classified  |
| Serious eye damage/irritation                       | : Not classified  |
| Respiratory or skin sensitisation                   | : Not classified  |
| Germ cell mutagenicity                              | : Not classified  |
| Carcinogenicity                                     | : Not classified  |
| Reproductive toxicity                               | : Not classified  |
| STOT-single exposure                                | : Not classified  |
| STOT-repeated exposure                              | : Not classified  |
| Aspiration hazard                                   | : Not classified  |
| Potential adverse human health effects and symptoms | : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. |
| Symptoms/effects after inhalation                   | : May be harmful if inhaled. May cause respiratory tract irritation.  |
| Symptoms/effects after skin contact                 | : May be harmful if absorbed through skin. May cause skin irritation.   |
| Symptoms/effects after eye contact                  | : May cause eye irritation.   |
| Symptoms/effects after ingestion                    | : May be harmful if swallowed.  |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not applicable

### 14.2. UN proper shipping name

Not applicable

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### 14.3. Additional information

Other information : No supplementary information available.  
Special transport precautions : Not dangerous goods.

### Overland transport

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

### 14.4. Environmental hazards

Other information : No supplementary information available.

### 14.5. Special precautions for user

Special transport precautions : Not dangerous goods.

### 14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

| FATTY ACID MIX (U-13C, 98%+)                       |   |
|--|---|
| SARA Section 302 Threshold Planning Quantity (TPQ) | Not subject to reporting requirements of the United States SARA Section 302 |
| SARA Section 313 - Emission Reporting              | Not subject to reporting requirements of the United States SARA Section 313 |

### 15.2. International regulations

#### CANADA

No additional information available

#### 15.2.1. National regulations

No additional information available

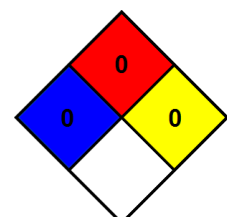
### 15.3. US State regulations

| FATTY ACID MIX (U-13C, 98%+)(I)                                     |    |
|---|----|
| U.S. - California - Proposition 65 - Carcinogens List               | No |
| U.S. - California - Proposition 65 - Developmental Toxicity         | No |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | No |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Male   | No |

## SECTION 16: Other information

Other information : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.  
NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.  
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



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### HMIS III Rating

Health : 0 Minimal Hazard - No significant risk to health  
Flammability : 0 Minimal Hazard

CIL Substance SDS

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