

## SAFETY DATA SHEET

Issue Date 25-Nov-2025  
Revision Number 2.05

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier**

Product Name Methyl Hexanoate

**Other means of identification**

Product Code(s) 134-04753, 130-04755

**Recommended use of the chemical and restrictions on use**

Recommended Use For research use only.

Uses advised against Seek expert judgment when using for purposes other than those recommended.

**Details of the supplier of the safety data sheet****Manufacturer Address**

FUJIFILM Wako Pure Chemical Corporation  
1-2, Doshomachi 3-Chome,

Chuo-ku Osaka 540-8605, Japan

Tel : +81-6-6203-3741

Fax: +81-6-6201-5964

**Distributor**

FUJIFILM Irvine Scientific  
E. Warner Avenue, Santa Ana, CA 92705-5505, U.S.A.: +1 949 261 7800  
Fax: +1 949 261 6522

**2. HAZARDS IDENTIFICATION****GHS classification****Classification of the substance or mixture**

Flammable liquids

Category 3

**Pictograms**

Signal word

Warning

**Hazard statements**

H226 - Flammable liquid and vapour

**Precautionary statements-(Prevention)**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking Keep container tightly closed Ground/bond container and receiving equipment Use explosion-proof electrical/ ventilating / lighting / equipment Use only non-sparking tools Take precautionary measures against static discharge Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary statements-(Response)**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
In case of fire: Use suitable extinguishing media for extinction

**Precautionary statements-(Storage)**

Store in a well-ventilated place. Keep cool

**Precautionary statements-(Disposal)**

Dispose of contents/container to an approved waste disposal plant

**Others****Other hazards**

Not available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Single Substance or Mixture** Substance  
**Formula** CH<sub>3</sub>(CH<sub>2</sub>)<sub>4</sub>COOCH<sub>3</sub>

Chemical Name	Molecular weight	CAS RN	Weight-%
Methyl hexanoate	130.18	106-70-7	98.0

**Impurities and/or Additives:** Not applicable

**4. FIRST AID MEASURES****First aid measures**

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash skin with soap and water.

**Inhalation** Remove to fresh air.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing media**

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Foam. Extinguishing powder. Sand.

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Vapors may form explosive mixtures with air.

**Explosion data**

**Sensitivity to Mechanical Impact** none.  
**Sensitivity to Static Discharge** none.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods and material for containment and cleaning up** Absorb dry sand, earth, sawdust and the waste. Collect empty container that can be sealed.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## **7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Technical measures** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use with local exhaust ventilation.

**Protective measures** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage conditions** Keep container protect from light tightly closed. Store in a cool (2-10 °C) place.

**Packaging materials** Glass.

**Incompatible materials** Strong oxidizing agents.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering controls**

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand- and eye-wash facility. And display their position clearly.

**Exposure limits** Not applicable

**Personal protective equipment**

**Respiratory protection** gas mask for organic gas ( JIS T 8152 )

**Hand protection** chemical protective gloves ( JIS T 8116 )

**Eye protection** protective eyeglasses or chemical safety goggles (JIS T 8147)

**Skin and body protection** Long-sleeved work clothes

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form**

**Color** colorless

**Turbidity** clear

**Appearance** liquid

**Odor**

characteristic odor

**pH**

no data available

**Melting point/freezing point**

-71 °C

**Boiling point, initial boiling point and boiling range**

151 °C

**Flash point**

45 °C

**Evaporation rate:**

no data available

**Flammability (solid, gas):**

no data available

**Upper/lower flammability or explosive limits**

no data available

**Upper:**

no data available

**Lower:**

no data available

**Vapour pressure**

no data available

Vapour density	4.52 ( air = 1 )
Specific Gravity / Relative density	0.883 - 0.888 g/mL
Solubilities	Ethanol : soluble . water : practically insoluble,or insoluble .
n-Octanol/water partition coefficient:(log Pow)	no data available
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
Viscosity (coefficient of viscosity)	no data available
Dynamic viscosity	no data available
Particle characteristics	no data available

## 10. STABILITY AND REACTIVITY

### Stability

**Chemical stability** May be altered by light.  
**Reactivity** no data available

### Hazardous reactions

None under normal processing

### Conditions to avoid

Extremes of temperature and direct sunlight, Heat, flames and sparks, static electricity, spark

### Incompatible materials

Strong oxidizing agents

### Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl hexanoate	5 gm/kg ( Rat )	5 gm/kg ( Guinea pig )	14 gm/m <sup>3</sup> 2 h ( Mouse )

### Skin irritation/corrosion

no data available

### Serious eye damage/ irritation

no data available

### Respiratory or skin sensitization

no data available

### Reproductive cell mutagenicity

no data available

### Carcinogenicity

no data available

### Reproductive toxicity

no data available

### STOT-single exposure

no data available

### STOT-repeated exposure

no data available

### Aspiration hazard

no data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

no data available

### Persistence and degradability

No information available

### Bioaccumulative potential

No information available

### Mobility

no data available

<u><b>Mobility in soil</b></u>	No information available
<u><b>Other Data</b></u>	No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Precautionary including method of disposing contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

#### DOT

<b>UN/ID No</b>	UN3272
<b>Proper shipping name:</b>	Esters, n.o.s. (Methyl hexanoate)
<b>UN classification</b>	3
<b>Subsidiary hazard class</b>	
<b>Packing group</b>	III
<b>Marine pollutant</b>	Not applicable

#### IATA

<b>UN/ID No</b>	UN3272
<b>Proper shipping name:</b>	Esters, n.o.s. (Methyl hexanoate)
<b>UN classification</b>	3
<b>Subsidiary hazard class</b>	
<b>Packing group</b>	III
<b>Environmentally Hazardous Substance</b>	Not applicable

#### IMDG

<b>UN/ID No</b>	UN3272
<b>Proper shipping name:</b>	Esters, n.o.s. (Methyl hexanoate)
<b>UN classification</b>	3
<b>Subsidiary hazard class</b>	
<b>Packing group</b>	III
<b>Marine pollutant (Sea)</b>	Not applicable

### 15. REGULATORY INFORMATION

#### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS RN	Weight-%	SARA 313 - Threshold Values %
Methyl hexanoate - 106-70-7	106-70-7	98.0	N/A

#### SARA 311/312 Hazard Categories

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any chemicals regulated by Proposition 65

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

**U.S. EPA Label Information**

EPA Pesticide Registration NumberNot applicable

**16. OTHER INFORMATION**

**Issue Date** 25-Nov-2025

**Revision Note**

No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet