

## SAFETY DATA SHEET

Issue Date 20-Nov-2025  
Revision Number 2.06

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

**Product Name** 2-Ethoxyethanol  
**Other means of identification**  
**Product Code(s)** 054-01061,054-01066

**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**

<b>Manufacturer Address</b> 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	<b>Distributor</b> FUJIFILM Irvine Scientific E. Warner Avenue, Santa Ana, CA 92705-5505, U.S.A.: +1 949 261 7800 Fax: +1 949 261 6522
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**2. HAZARDS IDENTIFICATION****GHS classification****Classification of the substance or mixture****Flammable liquids****Acute toxicity - Inhalation (Vapors)****Serious eye damage/eye irritation****Reproductive Toxicity****Specific target organ toxicity (single exposure)**

**Category 1** central nervous system, blood system, kidneys, liver

**Specific target organ toxicity (repeated exposure)**

**Category 1** blood system, testes

Category 3  
Category 4  
Category 2B  
Category 1B  
Category 1

Category 1

**Pictograms****Signal word**

Danger

**Hazard statements**

H226 - Flammable liquid and vapour  
H320 - Causes eye irritation  
H332 - Harmful if inhaled  
H360 - May damage fertility or the unborn child  
H370 - Causes damage to the following organs: central nervous system, blood system, kidneys, liver  
H372 - Causes damage to the following organs through prolonged or repeated exposure: blood system, testes

**Precautionary statements-(Prevention)**

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Use only outdoors or in a well-ventilated area Wash face, hands and any exposed skin thoroughly after handling Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when

using this product 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

**Precautionary statements-(Response)**

IF exposed: Call a POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

In case of fire: Use suitable extinguishing media for extinction

**Precautionary statements-(Storage)**

Store locked up 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  $C_2H_5OCH_2CH_2OH$

Chemical Name	Molecular weight	CAS RN	Weight-%
2-Ethoxyethanol	90.12	110-80-5	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**

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

**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** Store away from sunlight in well-ventilated place at room temperature (preferably cool). Keep container tightly closed.

**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

Chemical Name	ACGIH	OSHA PEL	NIOSH IDLH
2-Ethoxyethanol 110-80-5	TWA: 5 ppm Skin	TWA: 200 ppm TWA: 740 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 740 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 500 ppm TWA: 0.5 ppm TWA: 1.8 mg/m <sup>3</sup>

**Personal protective equipment**

<b>Respiratory protection</b>	gas mask for organic gas ( JIS T 8152 )
<b>Hand protection</b>	chemical protective gloves ( JIS T 8116 )
<b>Eye protection</b>	protective eyeglasses or chemical safety goggles (JIS T 8147)
<b>Skin and body protection</b>	Long-sleeved work clothes

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form**

<b>Color</b>	colorless
<b>Turbidity</b>	clear
<b>Appearance</b>	liquid

**Odor**

characteristic odor

**pH**

no data available

**Melting point/freezing point**

-90 °C

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

135 °C

**Flash point**

42 °C (CC)

**Evaporation rate:**

no data available

**Flammability (solid, gas):**

no data available

**Upper/lower flammability or explosive limits**

**Upper:** no data available

**Lower:** no data available

**Vapour pressure**

no data available

**Vapour density**

no data available

**Specific Gravity / Relative density**

0.928 - 0.932 g/mL

**Solubilities**

water , Ethanol , acetone : Very soluble.

**n-Octanol/water partition coefficient:(log Pow)**

no data available

**Auto-ignition temperature:**

235 °C

**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** Stable under recommended storage conditions.

**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
2-Ethoxyethanol	2125 - 5720 mg/kg ( Rat )	3900 mg/kg ( Rat )	4119 ppm ( Rat ) 4 h

Chemical Name	Acute toxicity -oral- source information	Acute toxicity -dermal- source information	Acute toxicity -inhalation gas- source information
2-Ethoxyethanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

Chemical Name	Acute toxicity -inhalation vapor- source information	Acute toxicity -inhalation dust- source information	Acute toxicity -inhalation mist- source information
2-Ethoxyethanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

**Skin irritation/corrosion**

Chemical Name	Skin corrosion/irritation source information
2-Ethoxyethanol	Based on the NITE GHS classification results.

**Serious eye damage/ irritation**

Chemical Name	Serious eye damage/irritation source information
2-Ethoxyethanol	Based on the NITE GHS classification results.

**Respiratory or skin sensitization**

Chemical Name	Respiratory or Skin sensitization source information
2-Ethoxyethanol	Based on the NITE GHS classification results.

**Reproductive cell mutagenicity**

Chemical Name	germ cell mutagenicity source information
2-Ethoxyethanol	Based on the NITE GHS classification results.

**Carcinogenicity**

Chemical Name	Carcinogenicity source information
2-Ethoxyethanol	Based on the NITE GHS classification results.

**Reproductive toxicity**

Chemical Name	Reproductive toxicity source information
2-Ethoxyethanol	Based on the NITE GHS classification results.

**STOT-single exposure**

Chemical Name	STOT -single exposure- source information
2-Ethoxyethanol	Based on the NITE GHS classification results.

**STOT-repeated exposure**

Chemical Name	STOT -repeated exposure- source information
2-Ethoxyethanol	Based on the NITE GHS classification results.

**Aspiration hazard**

Chemical Name	Aspiration Hazard source information
2-Ethoxyethanol	Based on the NITE GHS classification results.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-Ethoxyethanol 110-80-5	EC50 : Pseudokirchneriella subcapitata > 100 mg/L 72 h	LC50 : Killifish > 94.7 mg/L 96 h	N/A	EC50 : Daphnia magna 89.5 mg/L 48 h

**Persistence and degradability**

No information available

**Bioaccumulative potential**

No information available

**Mobility**

no data available

Chemical Name
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	Partition coefficient
2-Ethoxyethanol 110-80-5	0.32

**Mobility in soil** No information available  
**Other Data** 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

**UN/ID No** UN1171  
**Proper shipping name:** Ethylene glycol monoethyl ether  
**UN classification** 3  
**Subsidiary hazard class**  
**Packing group** III  
**Marine pollutant** Not applicable

#### IATA

**UN/ID No** UN1171  
**Proper shipping name:** Ethylene glycol monoethyl ether  
**UN classification** 3  
**Subsidiary hazard class**  
**Packing group** III  
**Environmentally Hazardous Substance** Not applicable

#### IMDG

**UN/ID No** UN1171  
**Proper shipping name:** Ethylene glycol monoethyl ether  
**UN classification** 3  
**Subsidiary hazard class**  
**Packing group** III  
**Marine pollutant (Sea)** 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 contains a chemical or 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 %
2-Ethoxyethanol - 110-80-5	110-80-5	98.0	1.0

##### SARA 311/312 Hazard Categories

**Acute health hazard** No  
**Chronic Health Hazard** No

Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
2-Ethoxyethanol 110-80-5	1000 lb	N/A	RQ 1000 lb final RQ RQ 454 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any chemicals regulated by Proposition 65

Chemical Name	California Proposition 65
2-Ethoxyethanol - 110-80-5	Developmental Male Reproductive

U.S. State Right-to-Know Regulations

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-Ethoxyethanol 110-80-5	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration NumberNot applicable

16. OTHER INFORMATION

Issue Date 20-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