

SAFETY DATA SHEET

Preparation Date: 5/7/2015

Revision Date: 7/10/2018

Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: E1021
Product Name: 2-ETHOXYETHANOL, REAGENT

Other means of identification

Synonyms: Cellosolve
 Ethylene Glycol Monoethyl Ether
 ÉTHER MONOÉTHYLIQUE DE L'ÉTHYLÈNEGLYCOL (French)
CAS #: 110-80-5
RTECS # KK8050000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Solvent.
Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000

Order Online At: <https://www.spectrumchemical.com>
Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Gases)	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Serious eye damage/eye irritation	Category 2B
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2
Flammable liquids	Category 3

Label elements

Danger

Hazard statements

Harmful if swallowed
Harmful if inhaled
Causes eye irritation
May damage fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure
Flammable liquid and vapor



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

May be harmful in contact with skin
Causes mild skin irritation

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. — 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 or concerned: Get medical advice/attention
In case of fire: Use CO₂, dry chemical, or foam to extinguish.
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 skin irritation occurs: Get medical advice/attention
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
2-Ethoxyethanol	110-80-5	100

4. FIRST AID MEASURES

First aid measures

General Advice:	National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.
Skin Contact:	Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.
Eye Contact:	Flush eyes with water for 15 minutes. Get medical attention.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
Ingestion:	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms	Irritating to eyes Mild eye irritation May cause slight skin irritation Central nervous system effects Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea May affect the liver It may affect the kidneys May affect the blood May affect the bone marrow May affect respiration
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Indication of any immediate medical attention and special treatment needed

Notes to Physician:	Treat symptomatically.
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Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:	Carbon dioxide (CO ₂). Dry chemical. Alcohol-resistant foam. Water spray.
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Unsuitable Extinguishing Media:	Do not use a solid (straight) water stream as it may scatter and spread fire.
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Specific hazards arising from the chemical

Hazardous Combustion Products:	Carbon Monoxide, Carbon Dioxide.
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Specific hazards:	Flammable. May be ignited by heat, sparks or flames. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Container explosion may occur under fire conditions or when heated.
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Special Protective Actions for Firefighters

Specific Methods:	Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.
Special Protective Equipment 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:	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.
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<u>Environmental precautions</u>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.
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Methods and material for containment and cleaning up

Methods for containment	Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.
Methods for cleaning up	Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use clean non-sparking tools to collect absorbed material. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:

Strong oxidizing agents
Strong bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
2-Ethoxyethanol	110-80-5	200 ppm TWA 740 mg/m ³ TWA	0.5 ppm TWA 1.8 mg/m ³ TWA	5 ppm TWA	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
2-Ethoxyethanol	110-80-5	0.1 ppm TWA 0.4 mg/m ³ TWA 5 ppm TWA 18 mg/m ³ TWA	5 ppm TWA	None	None

Australia and Mexico

Components	CAS-No.	Australia	Mexico
2-Ethoxyethanol	110-80-5	5 ppm TWA 18 mg/m ³ TWA	50 ppm TWA 185 mg/m ³ TWA 100 ppm STEL 370 mg/m ³ STEL

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection:	Goggles
Skin and body protection:	Chemical resistant apron Long sleeved clothing Gloves
Respiratory protection:	Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
Hygiene measures:	Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:
Liquid

Appearance:
No information available.

Color:
Clear. Colorless.

Odor:

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Pleasant. Sweetish.

Molecular/Formula weight:
90.12

Flashpoint (°C/°F):
43 °C/109.4 °F
48.8 °C/120 °F

Lower Explosion Limit (%):
1.7%

Decomposition temperature(°C/°F):
No information available

Density (g/cm3):
No information available

Vapor pressure @ 20°C (kPa):
0.5 20 °C
0.708 25 °C

VOC content (g/L):
No information available

Viscosity:
No information available

Taste
Slight. Bitter.
Flammability:
No information available

Flash Point Tested according to:
Closed cup
Open cup

Upper Explosion Limit (%):
15.6%

Boiling point/range(°C/°F):
135.1°C/275.2 °F

Specific gravity:
0.931 20 °C

Evaporation rate:
No information available

Odor threshold (ppm):
2.7-49

Miscibility:
Miscible with Acetone
Miscible with Benzene
Miscible with Carbon tetrachloride
Miscible with Ether
Miscible with Methanol
Miscible with water

Formula:
C4H10O2
Flash point (°C):
43

Autoignition Temperature (°C/°F):
235 °C/455 °F

Melting point/range(°C/°F):
-70 °C/-94 °F

Bulk density:
No information available

pH:
No information available

Vapor density:
3.11

**Partition coefficient
(n-octanol/water):**
-0.32

Solubility:
Completely soluble in water

10. STABILITY AND REACTIVITY

Reactivity

Reactive with strong oxidizing agents
Reacts with strong bases

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

Incompatible Materials: Strong oxidizing agents
Strong bases

Hazardous decomposition products: Carbon monoxide. Carbon dioxide.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

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11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Ingestion. Inhalation. Skin.

Acute Toxicity

Component Information

2-Ethoxyethanol	
CAS-No.	110-80-5

LD50/oral/rat = 2800 mg/kg Oral LD50 Rat(LOLI)

(European Chemicals Bureau IUCLID dataset)

(RTECS)

LD50/oral/mouse = 1519-4831 mg/kg (EU Commission dataset)

2451-4000 mg/kg (RTECS)

LD50/dermal/rabbit = 3300 mg/kg Dermal LD50Rabbit (LOLI, EU Commission dataset and RTECS)

3900 mg/kg (EU Commission dataset and RTECS)

LD50/dermal/rat = No information available

LC50/inhalation/rat = 2000 ppm Inhalation LC50 Rat 7 h

4267 ppm Inhalation LC50 Rat 4 h

15-16 mg/l Inhalation LC50 Rat 4 h

LC50/inhalation/mouse = 1820 ppm Inhalation LC50 Mouse 7 h

Other LD50 or LC50 information = 1275 mg/kg Oral LD50 Rabbit

950-1400 mg/kg Oral LD50 Guinea pig

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = 1746 mg/kg

LD50/oral/mouse =

Value - Acute Tox Oral = 2451 mg/kg

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = 3300 mg/kg

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = 15 mg/l (4-hr)

VALUE-Gas = 4267 ppm (4-hr)

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = 1820 ppm 7 h

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact:

May cause skin irritation. Mild skin irritation. May be absorbed through the skin.
May be harmful in contact with skin.

Eye Contact:

Causes eye irritation. Mild eye irritation.

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Inhalation Harmful by inhalation. May cause irritation of respiratory tract. May affect behavior/central nervous system (central nervous system depression, somnolence, analgesia, headache, dizziness, weakness, fatigue, loss of coordination, personality changes and passing out).

Ingestion Harmful if swallowed. May cause digestive (gastrointestinal) tract irritation with nausea, vomiting, diarrhea. May affect the liver, urinary system, respiratory system (chronic pulmonary edema). May affect kidneys (hematuria,renal failure), liver, behavior/central nervous system (somnolence, tetany, coma, mental confusion, general anesthetic, unconscious), brain, respiration (respiratory depression, respiratory stimulation, dyspnea).

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Prolonged or repeated exposure to high concentrations may affect behavior/central nervous system, the brain, liver, kidneys, blood (normocytic anemia, changes in serum composition, changes in red blood cell count, changes in white blood cell count (granulocytopenia)), bone marrow (bone marrow suppression). Prolonged skin contact may defat the skin and produce dermatitis.

Sensitization: No information available.

Mutagenic Effects: May affect genetic material based on animal test data

Carcinogenic effects: Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
2-Ethoxyethanol	110-80-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity May damage fertility or the unborn child

Reproductive Effects: May cause adverse reproductive effects
May impair fertility

Developmental Effects: No information available

Teratogenic Effects: May cause birth defects (teratogenic effects)
May cause harm to the unborn child

Specific Target Organ Toxicity

STOT - single exposure No information available.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Target Organs: Central nervous system. Blood. Kidneys. Liver. Bone Marrow.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

2-Ethoxyethanol - 110-80-5

Freshwater Algae Data: 1000 mg/L EC50 *Desmodesmus subspicatus* 72 h

Freshwater Fish Species Data: 10000 mg/L LC50 *Lepomis macrochirus* 96 h static 1 0.1 mg/L LC50 *Pimephales promelas* 96 h static 1

Water Flea Data: 10000 mg/L EC50 *Daphnia magna* 48 h

Persistence and degradability: No information available

Bioaccumulative potential: Potential for bioconcentration in aquatic organisms is low.

Mobility: It is expected to have high mobility in soil.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
2-Ethoxyethanol	110-80-5	None	None	None	U359

14. TRANSPORT INFORMATION

DOT

UN-No: UN1171

Proper Shipping Name: Ethylene glycol monoethyl ether

Hazard Class: 3

Subsidiary Class: No information available

Packing group: III

Emergency Response Guide Number: 127

Marine Pollutant: No data available

DOT RQ (lbs): No information available

Special Provisions: B1, IB3, T2, TP1

Symbol(s): [DOT]: (R4) - Identifies a material that is a hazardous substance that has a reportable quantity (RQ) of 1000 pounds (454 Kilograms).

Description: UN1171, Ethylene glycol monoethyl ether, 3, III

TDG (Canada)

UN-No: UN1171

Proper Shipping Name: Ethylene glycol monoethyl ether

Hazard Class: 3

Subsidiary Risk: No information available

Packing Group: III

Marine Pollutant: No Information available

Description: UN1171, Ethylene glycol monoethyl ether, 3, III

ADR

Product code: E1021

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UN-No: UN1171
Proper Shipping Name: Ethylene glycol monoethyl ether
Hazard Class: 3
Packing Group: III
Subsidiary Risk: No information available
Description: UN1171, Ethylene glycol monoethyl ether, 3, III

IMO / IMDG

UN-No: UN1171
Proper Shipping Name: Ethylene glycol monoethyl ether
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant: No information available
EMS: F-E
Description: UN1171, Ethylene glycol monoethyl ether, 3, III

RID

UN-No: UN1171
Proper Shipping Name: Ethylene glycol monoethyl ether
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Description: UN1171, Ethylene glycol monoethyl ether, 3, III

ICAO

UN-No: UN1171
Proper Shipping Name: Ethylene glycol monoethyl ether
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Description: UN1171, Ethylene glycol monoethyl ether, 3, III

IATA

UN-No: UN1171
Proper Shipping Name: Ethylene glycol monoethyl ether
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
ERG Code: 3L
Special Provisions: No information available
Description: UN1171, Ethylene glycol monoethyl ether, 3, III

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
2-Ethoxyethanol	110-80-5	Present ACTIV E	Present KE-13667	Present	Present (7)-97,(2)-411, (2)-2424	Present	Present	Present 203-804-1

U.S. Regulations

2-Ethoxyethanol

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 0839

New Jersey (EHS) List: 0839 500 lb TPQ

New Jersey - Discharge Prevention - List of Hazardous Substances: Present

Pennsylvania RTK: Environmental hazard

Pennsylvania RTK - Environmental Hazard List Present

Minnesota - Hazardous Substance List: Present

New York Release Reporting - List of Hazardous Substances:

1000 lb RQ

1 lb RQ

Louisiana Reportable Quantity List for Pollutants: 1000lbfinal RQ

454kgfinal RQ

California Directors List of Hazardous Substances: Present

FDA - 21 CFR - Total Food Additives 175.105, 177.2600, 73.1

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

 WARNING: This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
2-Ethoxyethanol	110-80-5	Not Listed	developmental toxicity	male reproductive toxicity	Not Listed

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
2-Ethoxyethanol	110-80-5	1000 lb final RQ 454 kg final RQ	None	None	None	1.0 % de minimis concentration

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
2-Ethoxyethanol	110-80-5	40 CFR 721.10001	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component
2-Ethoxyethanol
110-80-5 (100)

WHMIS 2015 Hazard Classification
Flammable liquids - Category 3: H226 Flammable liquid and vapour.; Acute toxicity - Inhalation - Category 4: H332 Harmful if inhaled.; Serious Eye Damage/Eye Irritation - Category 2: H319 Causes serious eye irritation.; Reproductive Toxicity - Category 1: H360 May damage fertility or the unborn child.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

WHMIS 1988 Hazard Class

B3 Combustible liquid
D1B Toxic materials
D2A Very toxic materials

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D2B Toxic materials

Components
2-Ethoxyethanol

WHMIS 1988
B3,D1B,D2A,D2B

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
2-Ethoxyethanol	0.1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
2-Ethoxyethanol	110-80-5	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
2-Ethoxyethanol	110-80-5	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
2-Ethoxyethanol	110-80-5	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
2-Ethoxyethanol	110-80-5	Flammable liquids - Flam. Liq. 3: H226 Flammable liquid and vapour.; Acute toxicity - Oral - Acute Tox. 4: H302 Harmful if swallowed.; Acute toxicity - Inhalation - Acute Tox. 3: H331 Toxic if inhaled.; Reproductive Toxicity - Repr. 1B: H360FD May damage fertility. May damage the unborn child.603-012-00-X

EU - CLP (1272/2008)

R-phrase(s)

R10 - Flammable.
R60 - May impair fertility.
R61 - May cause harm to the unborn child.
R20/22 - Harmful by inhalation and if swallowed.

S -phrase(s)

S53 - Avoid exposure - obtain special instructions before use.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
2-Ethoxyethanol	110-80-5	R10 Repr.Cat.2; R60-61 Xn; R20/22	No information	S53 S45

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xn - Harmful.

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Xn



16. OTHER INFORMATION

Preparation Date: 5/7/2015
Revision Date: 7/10/2018
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet