

Trade Name: Ethoxydiglycol

1 Identification

1.1 Product identifier

Trade name: Ethoxydiglycol

Product Code: C6024

Application of the substance / the mixture: Pharma Excipient

1.2 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SpecializedRx Products, LLC

7237 University Ave. NE

Fridley, MN 55432

www.specializedrx.com

sales@specializedrx.com

Information department:

Tel.: 1-888-512-1209

Fax: 1-612-424-8481

1.3 Emergency telephone number:

Emergency Telephone:

US: 1-888-512-1209

International: 1-888-512-1209

2 Hazard(s) identification

2.1 Classification of the substance or mixture

Flammable liquids (CAT:4), Combustible Liquid North America, Skin Corrosion/Irritation (CAT: 2), Serious Eye Damage/Eye Irritation (CAT: 2)

2.2 Label elements

Hazard pictograms



Signal word Warning

Hazard statements

H227 – Combustible Liquid

H315 – Causes skin irritation

H320 – Causes eye irritation

Precautionary statements (GHS US)

: P264 - Wash exposed skin thoroughly after handling.

P280 - Wear eye protection.

Trade Name: Ethoxydiglycol

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

3.1 Chemical Characterization: Substances

Description: CAS No. 111-90-0 Ethoxy Diglycol
2-(2-ethoxyethoxy)ethanol

Common Name: Ethoxy Diglycol

Impurities and/or Stabilizing Additives: No data available.

4 First-aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

After skin contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Call Physician or Poison Control center for most current information. If professional advice is not available, give 2 glasses of water to drink. DO NOT INDUCE VOMITING.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing agents: alcohol-resistant foam, carbon dioxide, water spray, sand. Use fire-fighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture

Trade Name: Ethoxydiglycol

Isolate from oxidizers, heat and open flame. Closed containers may explode if exposed to extreme heat.

5.3 Advice for firefighters

Protective equipment: In the event of fire, wear self-contained breathing apparatus.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Keep unprotected personnel away. Wear appropriate personal protective equipment.

6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Protective Action Criteria for Chemicals

PAC-1: 75 ppm

PAC-2: 100 ppm

PAC-3: 450 ppm

7 Handling and storage

7.1 Precautions for safe handling: No special precautions are necessary if used correctly.

Keep ignition sources away – do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

7.3 Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Trade Name: Ethoxydiglycol

Components with limit values that require monitoring at the workplace:

Material: 2(2-Ethoxyethoxy)ethanol CAS-No. 111-90-0 TWA (OSHA): None Known. TLV (ACGIH) 25 ppm.

Material: 2(2-Ethoxyethoxy) ethanol: CAS# 111-90-0 Ceiling: None Known, STEL (OSHA/ACGIH): None Known.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Breathing equipment: Not required.

Protection of hands:

The glove material must be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation of the glove material by the substance.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time must be found out by the manufacturer of the protective gloves and must be observed.

Eye protection: Goggles recommended during handling.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Liquid

Color: Colorless

Odor: Pleasant

pH-value: Not determined

Melting point/Melting range: -96°C (-140.8°F)

Boiling point/Boiling range: 202.7°C (396.9°F)

Flash point: 93°C (199.4°F)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 190°C (374°F)

Decomposition temperature: Not determined.

Auto igniting: 398°C / 750°F

Danger of explosion: Not determined

Explosion limits:

Lower: 1.2 Vol %

Upper: 11.6 Vol %

Vapor pressure: 0.13 hPa (0.1 mm Hg)

Density: at 20°C 0.9885 g/cm³ (8.24903 lbs/gal)

Relative density: Not determined.

Vapor density: Not determined.

Evaporation rate: Not determined.

Trade Name: Ethoxydiglycol

Solubility in / Miscibility with Water: Fully miscible.
Partition coefficient (n-octanol/water): Not determined.
Viscosity:
Dynamic: @ 20°C (68°F) 4.95 mPas
Kinematic: Not determined.
Solvent content:
Organic solvents: 0.0 %
Water: 0.0 %
VOC content: 0.0 %

9.2 Other information: No further relevant information available.

10 Stability and reactivity

10.1 Reactivity: Stable under normal conditions, no hazardous reactions when kept from incompatibles.
10.2 Chemical stability: Stable under normal conditions, no hazardous reactions when kept from incompatibles.
10.3 Possibility of hazardous reactions: Isolate from oxidizers, heat & open flame.
10.4 Conditions to avoid: Isolate from oxidizers, heat & open flame.
10.5 Incompatible materials: Reacts with oxidants, causing fire and explosion hazard.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:		
Oral	LD50	5500 mg/kg (rat)
Dermal	LD50	8500 mg/kg (rabbit)

Primary irritant effect:

on the skin: Irritating to contaminated tissue.
on the eye: Primary irritation to eyes: tearing, redness, blurred vision.
Sensitization: Not a known sensitizer/no known sensitizing effects known.

Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer): Substance not listed.

NTP (National Toxicology Program): Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration): Substance is not listed.

12 Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Trade Name: Ethoxydiglycol

Additional ecological information:

General notes:

Water hazard class 1 (assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods

Recommendation: Must not be disposed of together with household garbage; do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

14.1 UN-Number

DOT, ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

DOT, ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Class

Void

14.4 Packing group

DOT, ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

UN "Model Regulation":

Void

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· **Sara Section 355 (extremely hazardous substances):** Substance is not listed.

Trade Name: Ethoxydiglycol

- **Sara Section 313 (Specific toxic chemical listings):** Substance is listed.
- **TSCA (Toxic Substances Control Act):** ACTIVE
- **Hazardous Air Pollutants** Substance is not listed.
- **Proposition 65**
- **Chemicals known to cause cancer:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for females:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for males:** Substance is not listed

16 Other information

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. However, the information is provided without any representation or warranty, expressed or implied regarding its accuracy or correctness. The Company cannot assume responsibility for adverse events which may occur in the use and/or misuse of this product and expressly disclaims liability for loss, damage and/or expense arising out of or in any way connected with the handling, storage, use and/or disposal of this product.

Department issuing SDS:

SpecializedRx Products, LLC

Quality Assurance

Contact: sales@specializedrx.com

Date of preparation / last revision: 15 Feb 2022

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit