

SDS Number: EGW30DR

1 PRODUCT AND COMPANY INFORMATION

Product Name: EGW-30
Revision Date: 03/19/2018
SDS Number: EGW30DR
Common Name: Ethylene Glycol Solution, 30%
CAS Number: Blend
Product Code: EGW30DR
Synonyms: 1,2-Ethanediol solution, Ethylene Glycol in Water 30/70

Company Identification:

Manufactured for:
LYDEN OIL COMPANY
3711 LeHarps Drive
Youngstown, OH 44515

For Product Information: 1-330-792-1100
For Emergencies: 1-800-424-9300
CHEMTREC: 1-800-424-9300 or 1-703-527-3887

2 HAZARDS IDENTIFICATIONSignal Word:**WARNING**Hazard Classes/Categories:

Acute toxicity, Oral category 4.
Specific target organ toxicity – repeated exposure (kidney), Category 2.

SDS Number: EGW30DR

Hazard Statement(s):

H302: Harmful if swallowed.

H373: May cause damage to organs (Kidney) through prolonged or repeated exposure if swallowed.

Precaution Statement(s):

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P260: Do not breathe dust/fumes/gas/mist/vapors/spray.

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P301+312+330: IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell. Rinse mouth.

P314: Get Medical advice/attention if you feel unwell.

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazard Statement(s):

-NFPA Ratings:

Health = 1

Fire = 1

Reactivity = 0

3**COMPOSITION / INFORMATION ON INGREDIENTS**Ingredients:*Mixture of the substances listed below with nonhazardous additions.*

Chemical Name	CAS Number	Percentage
1,2-Ethanediol	107-21-1	25-35
Diethylene glycol	111-46-6	<1
Water	7732-18-5	65-75

**Any concentration shown as a range is to protect confidentiality or is due to batch variation.*

SDS Number: EGW30DR

4 FIRST AID MEASURESDescription of First Aid Measures:

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Skin Contact:

Wash with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if needed.

Eye Contact:

Flush eyes with running water for at least 15 minutes. If redness, blurred vision or irritation persists, transport to nearest medical facility for additional treatment.

Ingestion:

If swallowed, call a poison control center or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Symptoms and Effects, both acute and delayed:

No further relevant data available.

Recommended Actions:

Treat symptomatically. Call a doctor or poison control center for guidance. Note to Physician: Principal effects produced by Ethylene Glycols, especially by acute overexposure from swallowing the liquid, are kidney injury and metabolic acidosis. Treatment of metabolic acidosis, administration of ethanol, and hemodialysis may be indicated. Hemodialysis may be indicated for more complete elimination.

SDS Number: EGW30DR

5 FIRE FIGHTING MEASURESRecommended Fire-Extinguishing Equipment:

Use water, dry powder, foam, or carbon dioxide fire extinguishers.

Possible Hazards During a Fire:

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

Recommendations to Firefighters:

Proper protective equipment including breathing apparatus.

6 ACCIDENTAL RELEASE MEASURESPersonal Precautions:

Avoid contact with skin, eyes, and clothing. Do not ingest.
Keep away from sources of ignition.

Emergency Procedures:

Contain spilled material, collect in suitable and properly labeled containers.

Environmental Precautions:

Do not allow to reach sewage system or any water course.
Do not allow to enter ground waters.

Cleanup Procedures:

Pick up excess with inert absorbant material.



Safety Data Sheet

Lyden Oil Company

Page 5 of 9

EGW-30

SDS Number: EGW30DR

7 HANDLING AND STORAGE

Handling Precautions:

Handle with care and avoid spillage on the floor.
Do not cut, weld, drill, grind, braze, or solder container.

Storage Requirements:

Keep container tightly sealed.
Keep away from sources of ignition.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

1,2-Ethanediol:

US (ACGIH) 100 mg/m³

Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment:

Keep away from foodstuffs, beverages, and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with eyes and skin.
Use safety glasses and gloves. Use air respirators if misting or vapors present.

9 PHYSICAL AND CHEMICAL PROPERTIES

Color:	Colorless
Physical State:	Liquid
Odor:	Data not available
Odor Threshold:	Data not available
pH:	Data not available

SDS Number: EGW30DR

Melting Point:	-13° C / 9° F
Boiling Point:	>100° C / >212° F
Boiling Range:	Data not available
Flash Point:	116° C / 240° F
Evaporation Rate:	1
Flammability:	Data not available
Flammability Limits:	Upper explosion limit: 15.3 %(V) Lower explosion limit: 3.2 %(V)
Vapor Pressure:	0.05 mmHg at 20° C
Vapor Density:	2.14
Relative Density:	1.113 g/mL at 77° F
Solubilities:	Completely Soluble in Water
Partition Coefficient:	log Pow: -1.36
Auto-Ignition Temperature:	398° C / 748° F
Decomposition Temperature:	Data not available
Viscosity:	Data not available

10 STABILITY AND REACTIVITYStability:

Stable under normal conditions.

Reactivity:

Not reactive under normal conditions.

Conditions to Avoid:

Extreme temperature, sparks, open flame, and direct sunlight.

Hazardous Reactions:

No known hazardous reactions.

Incompatible Materials:

Strong oxidizers, acids, strong basers, aldehydes.

Decomposition Products:

Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.

SDS Number: EGW30DR

11 TOXICOLOGICAL INFORMATIONRoutes of Exposure:

Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

Exposure Effects:

When ingested early symptoms mimic alcohol inebriation and are followed by nausea, vomiting, abdominal pain, weakness, muscle tenderness, respiratory failure, convulsions, cardiovascular collapse, pulmonary edema, hypocalcemic tetany, and severe metabolic acidosis. Without treatment, death may occur in 8 to 24 hours. Victims who survive the initial toxicity period usually develop renal failure along with brain and liver damage., Exposure to and/or consumption of alcohol may increase toxic effects.

Measures of Toxicity:

LD50 Oral - Rat - 5,890-13,400 mg/kg
Inhalation: No data available
LD50 Dermal - Rabbit - 10,626 mg/kg

Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be mutagenic.

12 ECOLOGICAL INFORMATIONEcological Precautions:

Avoid exposing to the environment.

Ecological Effects:

LC50 - Oncorhynchus mykiss (rainbow trout) - 22,810 mg/l - 96 h
LC50 - Leuciscus idus (Golden orfe) - > 10,000 mg/l - 48 h
NOEC - Pimephales promelas (fathead minnow) - 32,000 mg/l - 7 d
NOEC - Pimephales promelas (fathead minnow) - 39,140 mg/l - 96 h



Safety Data Sheet

Lyden Oil Company

Page 8 of 9

EGW-30

SDS Number: EGW30DR

13 DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose of waste material in accordance with all local, state, and federal requirements.

Disposal Containers:

Use properly approved container for disposal.

Special Precautions:

Do not flush to surface waters or drains.

14 TRANSPORT INFORMATION

UN Number:

UN3082

UN Shipping Name:

Environmentally hazardous substance, liquid, n.o.s. (Ethylene glycol)

Transport Hazard Class:

9

Packing Group:

III

Environmental Hazards:

Data not available

Bulk Transport Guidance:

Data not available

Special Precautions:

Reportable Quantity (RQ): 5000 lbs Ethylene Glycol

15 REGULATORY INFORMATION

This material and all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act.



Safety Data Sheet

Lyden Oil Company

Page 9 of 9

EGW-30

SDS Number: EGW30DR

16

OTHER INFORMATION

Last Revision Date: 03/19/2018

The information contained in this Safety Data Sheet (SDS) relates only to the specific material designated. LYDEN OIL COMPANY assumes no legal responsibility of the use or reliance upon this data. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the LYDEN OIL COMPANY.