

SDS Number: 901192

1 PRODUCT AND COMPANY INFORMATION

Product Name: Gold Antifreeze
Revision Date: 01/21/2016
SDS Number: 901192
Common Name: Inhibited Ethylene Glycol Mixture
CAS Number: Blend
Product Code: 901192
Synonyms: Universal gold antifreeze

Company Identification:

Manufactured for:
LYDEN OIL COMPANY
3711 LeHarp 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 IDENTIFICATION



Signal Word:

DANGER

Hazard Classes/Categories:

Acute toxicity, Oral category 4.
Skin irritant, Category 2.
Reproductive toxicity, Category 2.

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Specific target organ toxicity – single exposure, Category 1.
Specific target organ toxicity – repeated exposure, Category 2.

Hazard Statement(s):

H302: Harmful if swallowed.
H315: Causes skin irritation.
H361: Suspected of damaging fertility or the unborn child.
H370: Causes damage to organs (kidneys) if swallowed.
H373: May cause damage to organs (kidneys) through prolonged or repeated exposure.

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.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P264: Wash skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P260: Do not breathe dust/fumes/gas/mist/vapors/spray.
P302+352: IF ON SKIN: Wash with plenty of water.
P332+313: If skin irritation occurs: Get medical advice/attention.
P362+364: Take off contaminated clothing and wash it before reuse.
P308+311: IF exposed or concerned: Call a POISON CENTER/ doctor.
P301+312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P405: Store locked up.
P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazard Statement(s):

-NFPA Ratings:
Health = 2
Fire = 1
Reactivity = 0

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3 COMPOSITION / INFORMATION ON INGREDIENTSIngredients:

Mixture of the substances listed below with nonhazardous additions.

Chemical Name	CAS Number	Percentage
Ethylene Glycol	107-21-1	92
Water	7732-18-5	4
Inhibitors and Dye	Proprietary	4

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

4 FIRST AID MEASURESDescription of First Aid Measures:

Inhalation:

Remove to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Seek medical attention.

Skin Contact:

Wash skin with soap and water for at least 20 minutes. Remove any contaminated clothing. Seek medical attention immediately if symptoms or irritation develops.

Eye Contact:

Flush with water for at least 20 minutes. Seek medical attention if irritation develops or persists.

Ingestion:

DO NOT induce vomiting, seek medical attention immediately. Do not give anything by mouth to an unconscious person. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to victim to further dilute the chemical.

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Symptoms and Effects, both acute and delayed:

Acute: Irritation of affected area with symptoms of reddening, itching, swelling, burning, possible permanent damage, nausea, vomiting, weakness, and death.

Delayed: Irritation of affected area with symptoms of reddening, itching, swelling, burning, possible permanent damage, nausea, vomiting, weakness, abdominal pain, muscle tenderness, respiratory failure, severe metabolic acidosis, hypocalcemia and death.

Recommended Actions:

Treat symptomatically. Call a doctor or poison control center for guidance.

5	FIRE FIGHTING MEASURES
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Recommended Fire-Extinguishing Equipment:

Water, water fog, water spray, alcohol foam, dry chemical or carbon dioxide.

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:

Wear self-contained breathing apparatus and protective suit. Evacuate personnel to safe areas and keep upwind of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment.

Emergency Procedures:

Collect liquid in an appropriate container or absorb with inert material and place in chemical waste container.

Environmental Precautions:

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

Cleanup Procedures:

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

7 HANDLING AND STORAGE

Handling Precautions:

Protect container from physical damage. Wear appropriate personal protection equipment. Do not expose containers to open flame, excessive heat, or direct sunlight. Use local exhaust over processing area. Do not eat, drink or smoke around products.

Storage Requirements:

Store in a cool, dry and ventilated area away from sources of heat, moisture and incompatible materials. Observe all warnings and precautions listed for the product. Keep container closed to prevent contamination.

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8 EXPOSURE CONTROLS / PERSONAL PROTECTIONExposure Limits:

-Gold Antifreeze:

ACGIH TLV: 100 mg/m³OSHA: 125 mg/m³Engineering Controls:

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

Personal Protective Equipment:

Wear protective safety glasses or goggles, gloves, apron, vapor respirator.

9 PHYSICAL AND CHEMICAL PROPERTIES

Color:	Gold
Physical State:	Liquid
Odor:	Slight to no odor
Odor Threshold:	Data not available
pH:	7.5-9.0
Melting Point:	Data not available
Boiling Point:	196° C / 385° F
Boiling Range:	Data not available
Flash Point:	111° C / 232° F
Evaporation Rate:	<1 (butyl acetate = 1)
Flammability:	This material is Not Flammable but can burn if heated
Flammability Limits:	Not Explosive; LOWER: 3.2% (v) UPPER: 15.3% (v)
Vapor Pressure:	0.1 mmHg
Vapor Density:	2.14
Relative Density:	1.120 - 1.140
Solubilities:	Soluble in water
Partition Coefficient:	Log Pow: -1.36
Auto-Ignition Temperature:	> 370°C / > 700°F
Decomposition Temperature:	Data not available
Viscosity:	16 cPs at 60°F

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10 STABILITY AND REACTIVITY

Stability:

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, and bases.

Decomposition Products:

Hazardous decomposition products are not expected to form.

11 TOXICOLOGICAL INFORMATION

Routes of Exposure:

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

Exposure Effects:

-On the skin: May cause mild skin irritation. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis.
-On the eye: May cause eye irritation.

Measures of Toxicity:

Skin: LD50 - Rabbits - >10600 mg/kg
Ingestion: LD50 - Rats - 7712 mg/kg; Lethal Dose
Human Adult - 90mL

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Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be mutagenic.

12 ECOLOGICAL INFORMATION

Ecological Precautions:

Avoid exposing to the environment.

Ecological Effects:

No specific environmental or aquatic data available.

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:

UN 3082

UN Shipping Name:

Environmentally hazardous substances, liquid, n.o.s.

Transport Hazard Class:

9

Packing Group:

III

Environmental Hazards:

Not Regulated

Bulk Transport Guidance:

Not Regulated



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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.

16 OTHER INFORMATION

Last Revision Date: 01/21/2016

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