

Leak Detection Solution

Safety Data Sheet

Updated Date: July 2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product form : Liquid
Product name : Leak Detection Solution

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Leak testing

1.3 Details of the supplier of the safety data sheet

Applied Home Healthcare Equipment, LLC
28825 Ranney Parkway
Westlake OH 44145
(888) 327-7301 info@applied-inc.com

1.4 Emergency telephone number

Emergency number : CHEMTREC-1-800-424-9300 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product as such is not classified as a hazardous substance or mixture according to OSHA standards.

2.2 Label elements

No label elements required

2.3 Other hazards

No additional information available

2.4 Unknown acute toxicity (GHS-US/CA)

Not applicable

SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable

3.2 Mixture

Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures

First aid is not expected to be necessary if material is used under ordinary conditions as recommended.

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact : Remove contaminated clothing and shoes. Gently wash with plenty of mild soap and water. Call a physician immediately.

First -aid measures after eye contact IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a poison center or a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Burns. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Serious damage to eyes.

Symptoms/Injuries after ingestion : Bums.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

Explosion hazard : Not expected to be a fire/explosion hazard under normal conditions of use.

Reactivity : Stable under normal conditions.

5.3 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid allowing fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedure : Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. Avoid breathing mist, spray, and vapors. Avoid contact with skin and eyes. For further information refer to section 8 Exposure controls/personal protection.

Emergency procedures : Ventilate area.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

For containment : Contain and/or absorb spill with inert material (sand), then place in suitable container.

Methods for cleaning up : Wipe up with absorbent material (for example cloth). Collect spillage. Store away from other materials.

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide good ventilation in process area to prevent formation of vapor. Wear personal protective equipment. Avoid breathing mist, spray and vapors. Avoid contact with skin and eyes.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in original container. Store in a well-ventilated place. Keep container closed when not in use. Store above 35°F (2°C) in a dry place out of sunlight.

Incompatible products : Strong bases, strong acids, reducing agents. isocyanates, nitrosating agents.

Incompatible materials : None known.

7.3 Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Diethanolamine(111-42-2)		
ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³ (Inhalable Fraction and Vapor)
ACGIH	Remark (ACGIH)	Skin
OSHA	Not Applicable	

Triethanolamine(102-71-6)		
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
ACGIH	Remark (ACGIH)	
OSHA	Not Applicable	

Glycerin (66-81-5)		
ACGIH	Not Applicable	
OSHA	OSHA PEL - 15mg/m ³ (total dust); 5mg/m ³ (respirable fraction) (glycerin - mist)	

ACGIH: American Conference of Governmental industrial Hygienists, TWA: Time Weighted Average, OSHA: Occupational Safety and Health Administration, URT: Upper Respiratory Tract, Irr: irritation.

8.2 Exposure controls

Appropriate engineering controls	: Not necessary with sufficient ventilation.
Personal protective equipment	: Avoid all unnecessary exposure. Wash hands, forearms and face thoroughly after handling. Gloves. Protective goggles. Apron.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Chemical resistant apron.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
Other information	: Do not breathe mist, vapor, or spray. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: Blue
Odor	: Characteristic
Odor threshold	: Not available
pH	: Not available
Relative evaporation rate (butyl acetate=1)	: Not available
Relative evaporation rate (water=1)	: 3.3
Melting point	: Not available
Freezing point	: 32°F, 0°C
Boiling point	: 218°F, 103°C
Flash point	: >100°C
Auto-Ignition temperature	: Not available
Decomposition temperature	: Not available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: 7.82mm Hg
Relative vapor density at 20°C	: 1.19 (air=1)
Relative density	: 1.034 (water=1)

Density	: Not available
Solubility	: water: 100%
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinemaUc	: No data available
VISCOSity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

9.2 Other information

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Not applicable

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials

Strong bases. strong adds, reducing agents, isocyanates , nitrosating agents.

10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide , nitrogen oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Usual routes of exposure : Ingestion; Inhalation; Skin and eye contact.

Acute toxicity : Not classified

Diethanolamine (111-42-2)	
LD50 oral rat	680 mg/kg female
LD50 dermal rabbit	8180 mg/kg male
LC50 inhalation rat (mg/l)	Not available
Cocamide DEA (68803-42-9)	
LD50 oral rat	12400 µl/kg
LD50 dermal rabbit	Not available
LC50 inhalation rat (mg/l)	Not available
Triethanolamine (102-71-8)	
LD50 oral mouse	5200 mg/kg
LD50 dermal rabbit	>19870 mg/kg
LC50 inhalation rat (mg/l)	>Saturated vapor concentration
Glycerin (58-81-5)	
LD50 oral mouse	4100 mg/kg
LD50 dermal rabbit	>23,000 mg/kg
LC50 inhalation rat (mg/l)	>143 mg/m ³ /4H

Skin corrosion/irritation : Causes severe skin burns.

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitization	: May cause an allergic skin reaction.
Genn cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Suspected of causing cancer. (Diethanolamine and Cocamlde DEA- IARC Group 2B – Possibly Carcinogenic to Humans)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: May cause respiratory Irritation.
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Potential Adverse human health effects and symptoms	: Skin sensitization, skin and eye bums and damage, potential cancer h82ard.
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Bums. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Serious damage to eyes.
Symptoms/injuries after ingestion	: Bums.
Chronic symptoms	: None known

SECTION 12: Ecological information

12.1 Toxicity

Ecology – general : Not determined.

12.2 Persistence and degradability

Sherlock leak detector Type CG Concentrate	
Presistence and degradability	Not established.

12.3 Bioaccumulative potential

Sherlock leak detector Type CG Concentrate	
Bioacculative potential	Not established.

12.4 Mobility in soil

Sherlock leak detector Type CG Concentrate	
Ecology - soil	Not Determined.

12.5 Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

us Department of Transportation (DOT)

Not a dangerous good for transport

Canadian Transportation of Dangerous Goods Act/Regulations (TDG)

Not a dangerous good for transport

Transport by sea

Not determined

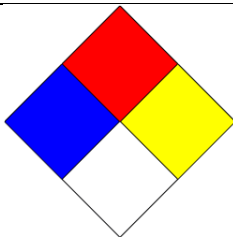
Air transport

Not determined

SECTION 15: Regulatory information

15.1 US Federal regulations

USA

Sherlock leak detector Type CG Concentrate	
USA OSHA Hazard Communication Standard (According to Federal Register/ Vol. 77, No.58/ Mon Mar 26, 2012/Rules & Regulations)	Classified as a hazardous product. See Section 2 for details.
National Fire Protection Association® (NFPA®) Classification	
American Coatings Association (ACA) Hazardous Materials Identification System® (HMIS®) III Classification	

15.2 US State regulations

CANADA

Sherlock leak detector Type CG Concentrate	
WHMIS 2015 - GHS	Classified as a hazardous product. See Section 2 for details
WHMIS Classification 1998 (Controlled products Regulations)	<p>Class D2A- Very Toxic Material causing other toxic effects – Carcinogenicity</p> <p>Class 02 8 - Toxic material causing other toxic effects- Eye irritant, Skin sensillzer</p> <p>Class E – Corrosive</p> <p>This product has been classified in accordance with the hazard criteria of the <u>Controlled Product Regulations</u> and the MSDS contains all the information required by the <u>Controlled Product Regulations</u>.</p>

National regulations

No additional information available

15.3 US Stateregulations

No additional information available

SECTION 16: Other information

Indication of changes	: New Safety Data Sheet (SOS).
Data sources	: GHS-US, GHS-CA classification parameters. References a11ailable upon request.
Other information	: None.
Date	: August 30, 2015

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oraO Category 4
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1 B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens.1	Skin sensitization Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer

SDS USA and SDS Canada (GHS)

This information is based in our knowledge and is intended to describe the product for the purposes of health, safety and environmental requirement only. It should not therefore construed as guaranteeing any specific property of the product.