GHS SAFETY DATA SHEET

1. Identification

Product Name:	**Corrigan Leak Detector**
Synonyms:	
CAS Number:	Mixture
Product Use:	Leak detector. For specific applications contact our company representative or technical data sheet.
Manufacturer:	Corrigan Lubricants 11721 Venture Drive Whitmore Lake, MI. 48189 734-449-0944
Emergency Number:	CHEMTREC: (800) 424-9300

2. Hazards Identification

GHS Classification

Health	Environmental	Physical
Acute Toxicity- Category 4 (oral)	Acute Aquatic Toxicity- Category 3	

GHS Label:

Symbols:

Hazard Statements	Precautionary Statements
Warning Harmful if swallowed	Do not eat, drink or use tobacco when using this product Wash thoroughly after handling

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS #	%
Ethylene Glycol	107-21-1	40-50
Sodium benzotriazole	15217-42-2	< 1
Sodium Hydroxide	1310-73-2	< 1
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	2-3
Polyethylene glycol	25322-68-3	< 1
Dinonylphenyl polyoxyethylene	9014-93-1	< 1
Sodium lauryl sulfate	151-21-3	< 1

4. First Aid Measures

SKIN: In case of contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing and shoes. Launder before reuse. If irritation develops, consult a physician.
EYE: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
ORAL: If swallowed, get medical attention immediately. Inform the doctor that a product containing ethylene glycol has been ingested and specific treatment may be required.

Note to Physician Gastric lavage is indicated if significant quantities have been ingested in the previous 4 hours. The metabolism of glycol to oxalic acid may be delayed by the intravenous administration of ethanol (give as a 5% solution in physiological saline to maintain a blood level of 1-2 mg/ml). This has been shown to be an effective antidote provided treatment is started within 6 hours of exposure. The glycol may be removed by dialysis but oxalates are not readily removed.

5. Fire Fighting Measures

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Fire Fighting Procedures: Do not use water jet. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus

Unusual Fire and Explosion Hazards: None

Combustion Products: Carbon oxides

6. Accidental Release Measures

No action should be taken involving personal risk or without appropriate training. Do not touch or walk through spilled material. In accordance with safety work practices and good industrial hygiene, airborne exposures should be controlled to the lowest extent practicable.

Wear a respirator when ventilation is inadequate. Wear appropriate personal protective equipment. Shut off ignition sources; no flares, smoking or flames in hazard area. Small spill: contain and collect spill with non-combustible, absorbent material such as sand, vermiculite, or diatomaceous earth. Place in a container for disposal according to local regulations. Large spill: prevent entry into sewers, waterways, basements, or confined areas. Isolate any hazards and deny entry to unnecessary personnel. Dike area for later disposal or recovery. Notify appropriate federal, state, and local agencies.

7. Handling and Storage

Handling
Wear appropriate personal protective equipment. Wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation, if ventilation is inadequate then wear appropriate respirator.

Storage
Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container tightly closed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls / Personal Protection

Exposure Limits

Component	OSHA	
	TWA	**STEL**
Ethylene Glycol	100 mg/m^3	No data
Sodium Hydroxide	2 mg/m^3	No data

Engineering Controls: Use only adequate ventilation. If user operations generate dust, fumes, gas mist or vapor, local exhaust or other measures should be used to keep worker exposure to airborne contaminants below recommended limits.

Personal protection Equipment (PPE)

Eye Protection: Safety glasses with side shields or chemical goggles.

Skin Protection: Wear suitable protective clothing.

Respiratory Protection: In accordance with good industrial hygiene and safety practices, airborne exposure should be controlled to the lowest extent practicable.

9. Physical and Chemical Properties

Flash Point: N/A
Autoignition Temperature: N/A
Boiling Point: N/D
Melting Point: N/D
Vapor Pressure: N/D
Vapor Density (Air =1): N/D
% Solubility in Water: Soluble in water
Pour Point: N/D
Molecular Formula: Mixture
Odor/Appearance: Pink liquid

Lower Flammability Limit: N/A
Upper Flammability Limit: N/A
Specific Gravity: 0.950-1.050
% Volatile: 50% v/v
Evaporation Rate (Water=1): N/D
Viscosity: N/D
Octanol/Water Partition Coefficient:
pH: 8.6
Molecular Weight: Mixture

10. Stability and Reactivity

Stability/Incompatibility: This product is stable. Keep away from heat, sparks, and open flames. Extremely reactive with oxidizing materials. Reactive with acids. Hydroscopic; keep container tightly closed.

Hazardous Reactions/ Decomposition Products: None expected

11. Toxicological Information

Signs and Symptoms of Overexposure: Symptoms similar to alcohol intoxication.

Acute Effects

Eye Contact: May cause irritation

Skin Contact: May cause skin irritation

Inhalation: May cause respiratory tract irritation

Ingestion: Harmful if swallowed.

Target Organ Effects: Liver, Kidneys

Chronic Effects: Alkanolamine: This product contains an alkanolamine. In all metalworking fluids containing amines, there is a potential for forming nitrosamines which are animal carcinogens. Therefore, no nitrites or related agents should be added to such compositions.

Medical Conditions Aggravated by Exposure: N/A

Acute Toxicity Values: LD_{50}: 500 mg/kg (Oral-calculated)

12. Ecological Information

Keep out of sewers, drainage areas, and waterways. Report spills and releases as applicable under Federal and State regulations.

Ecotoxicity: No testing has been performed by the manufacturer

Persistence / Degradability: Readily biodegradable

Mobility: Spillages may penetrate the soil causing ground water contamination.

Soil / Water Partition Coefficient: This product is not likely to partition to organic material in the environment because its Log (Kow) is -1.36.

Bioaccumulative Potential: This product shows a low bioaccumulation potential.

Other ecological information: Miscible in water.

13. Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Dispose of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways and sewers.

NOTE: The generator of waste has the responsibility for proper waste identification, based on characteristic or listing, transportation and disposal.

14. Transport Information

U.S. Department of Transportation (DOT)

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (ethylene glycol)

Hzard Class: 9

UN/NA Number: UN 3082

Packing Group: III

Reportable Quantity: 5000 pounds.

International Maritime Organization (IMDG)

Proper Shipping Name: Not classified as hazardous for transport

Hazard Class: N/A

UN/NA Number: N/A

Packing Group: N/A

Labels Required: N/A

15. Regulatory Information

U.S. Federal Regulations

Toxic Substances Control Act (TSCA): All components are listed or exempted

SARA 302/304/311/312 extremely hazardous substances: None

SARA 302/304 emergency planning and notification: None

SARA 302/304/311/312 hazardous chemicals: None

	Product Name	CAS Number	Concentration
SARA 313: FORM R – Reporting Requirements	Ethylene Glycol	107-21-1	45 - 55
Supplier notification:	Ethylene Glycol	107-21-1	45 – 55

CERCLA Sections 102a/103 Hazardous Substances (40 CFR part 302.4). Ethylene Glycol: 5000 pounds

16. Other Information

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA System

Health: 1 **Fire:** 1 **Reactivity:** 0

Prepared by: T. Tischler

Notice: This Material Safety Data Sheet is based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from failure to follow appropriate practices or from hazards inherent in the nature of the product.