



Gas Leak Locator

Product Code(s): GL 6 (475053)

SDS Preparation Date (mm/dd/yyyy): 11/25/2014

Page 1 of 10

## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product identifier used on the label**

: **Gas Leak Locator**

**Product Code(s)** : GL 6 (475053)

**Recommended use of the chemical and restrictions on use**

: Leak Locator

**Chemical family** : Mixture

**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**

**Parker Hannifin Corporation - Sporlan Division**

206 Lange Drive  
Washington, MO, U.S.A.  
63090

**Information Telephone #** : (636) 239 1111

**24 Hr. Emergency Tel #** : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887  
(Outside U.S.).

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the chemical**

Opaque liquid. Bland odor.

Most important hazards: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

OSHA Classification: Carcinogenicity - Category 2

**Label elements**

**Signal Word**

Warning!

**Hazard statement(s)**

Suspected of causing cancer.

**Precautionary statement(s)**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Wear protective gloves/clothing and eye/face protection.

IF exposed or concerned: Get medical attention/advice.

Store locked up.

Dispose of contents/container in accordance with local regulation.



**Other hazards**

Other hazards which do not result in classification:

Burning produces obnoxious and toxic fumes. May be mildly irritating to skin, eyes and respiratory system. May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals.

Environmental precautions: Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



Gas Leak Locator

Product Code(s): GL 6 (475053)

SDS Preparation Date (mm/dd/yyyy): 11/25/2014

Page 2 of 10

## SAFETY DATA SHEET

<u>Chemical name</u>	<u>CAS #</u>	<u>Concentration</u>
Glycerin	56-81-5	80.0 - 100.0
Sodium lauryl ether sulfate	9004-82-4	0.5 - 1.5
Coconut diethanolamide	68603-42-9	0.1 - 1.0
Ethanol	64-17-5	0.1 - 1.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : If ingested, do not induce vomiting. Have victim rinse mouth with water, then give one to two glasses of water to drink. Get medical advice/attention.
- Inhalation* : Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention if irritation develops and persists.
- Skin contact* : Wash with water and soap as a precaution. Obtain medical attention if symptoms develop and persist.
- Eye contact* : Immediately flush eyes with plenty of water for at least 15 minutes. Obtain medical attention if symptoms develop and persist.

#### Most important symptoms and effects, both acute and delayed

- : Contains substances that may cause cancer. May be mildly irritating to skin, eyes and respiratory system. May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals.

#### Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable extinguishing media* : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
- Unsuitable extinguishing media* : Do not use water jet, as this may spread burning material.

#### Special hazards arising from the substance or mixture

- : Not flammable under normal conditions of use. However, may ignite if exposed to extreme heat and flame. Vapours may be heavier than air and may collect in confined and low-lying areas.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Non-flammable.

#### Hazardous combustion products

- : Toxic fumes, gases or vapours may evolve on burning.

#### Special protective equipment and precautions for firefighters

- Protective equipment for fire-fighters* : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

*Special fire-fighting procedures*

- : Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures



Gas Leak Locator

Product Code(s): GL 6 (475053)

SDS Preparation Date (mm/dd/yyyy): 11/25/2014

Page 3 of 10

## SAFETY DATA SHEET

- : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Restrict access to area until completion of clean-up. Keep all other personnel upwind and away from the spill/release.
- Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.
- Methods and material for containment and cleaning up**
  - : Ventilate area of release. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Notify the appropriate authorities as required.
- Special spill response procedures**
  - : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).  
 US CERCLA Reportable quantity (RQ): None reported.

**SECTION 7. HANDLING AND STORAGE**

**Precautions for safe handling**

- : Use only in well-ventilated areas. Do not ingest. Avoid breathing vapors or mists. Avoid contact with eyes, skin and clothing. Avoid contact with incompatible materials. Keep container tightly closed when not in use. Wash thoroughly after handling.

**Conditions for safe storage**

- : Store in a cool, dry, well ventilated area, away from heat and ignition sources. Store away from incompatibles and out of direct sunlight. No smoking in the area. Inspect periodically for damage or leaks.

**Incompatible materials**

- : Hydrogen peroxide; Alkali metals; Strong oxidizing agents; Acids.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Exposure Limits:</b>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Glycerin	10 mg/m <sup>3</sup> (mist)	N/Av	15 mg/m <sup>3</sup> (mist, total particulate) ; 5 mg/m <sup>3</sup> (mist, respirable fraction)	N/Av
Sodium lauryl ether sulfate	N/Av	N/Av	N/Av	N/Av
Coconut diethanolamide	N/Av	N/Av	N/Av	N/Av
Ethanol	N/Av	1000 ppm	1000 ppm ; 1900 mg/m <sup>3</sup>	N/Av

**Exposure controls**

**Ventilation and engineering measures**

- : Do not use in closed or confined space. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

**Respiratory protection**

- : Not required under normal conditions of handling. Respiratory protection is required if the concentrations exceed the TLV. If respiratory protection is warranted, wear NIOSH-approved respirators. Advice should be sought from respiratory protection specialists.

**Skin protection**

- : Impervious gloves must be worn when using this product. Advice should be sought from glove suppliers.

**Eye / face protection**

- : Safety goggles or glasses as appropriate for the job.

**Other protective equipment**

- : An eyewash station and safety shower should be made available in the immediate working area. Depending on conditions of use, an impervious apron should be worn. Remove and wash contaminated clothing before re-use.



Gas Leak Locator

Product Code(s): GL 6 (475053)

SDS Preparation Date (mm/dd/yyyy): 11/25/2014

Page 4 of 10

## SAFETY DATA SHEET

### General hygiene considerations

: Avoid contact with skin, eyes and clothing. Avoid breathing mist or vapours. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Opaque liquid.  
**Odour** : Bland odour.  
**Odour threshold** : N/Av  
**pH** : 8.0  
**Melting/Freezing point** : N/Av  
**Initial boiling point and boiling range** : 100°C (212°F)  
**Flash point** : >100°C (> 212°F)  
**Flashpoint (Method)** : Setaflash Closed Tester  
**Evaporation rate (BuAe = 1)** : > 1 (water = 1)  
**Flammability (solid, gas)** : N/Av  
**Lower flammable limit (% by vol.)** : N/Av  
**Upper flammable limit (% by vol.)** : N/Av  
**Oxidizing properties** : None known.  
**Explosive properties** : N/Av  
**Vapour pressure** : 23.8 mm Hg @ 25°C  
**Vapour density** : > 1 (Air = 1.0)  
**Relative density** : 1  
**Solubility in water** : miscible  
**Other solubility(ies)** : N/Av  
**Partition coefficient: n-octanol/water** : N/Av  
**Auto-ignition temperature** : N/Av  
**Decomposition temperature** : N/Av  
**Viscosity** : < 5 cPs  
**Volatiles (% by weight)** : 2%  
**Volatile organic Compounds (VOC's)** : N/Av  
**Absolute pressure of container** : N/Av  
**Flame projection length** : N/Av  
**Other physical/chemical comments** : No additional information.

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity** : Not normally reactive.  
**Chemical stability** : Stable under the recommended storage and handling conditions prescribed.  
**Possibility of hazardous reactions** : Hazardous polymerization will not occur.  
**Conditions to avoid** : Keep out of direct sunlight. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not use in areas without adequate ventilation.  
**Incompatible materials** : Hydrogen peroxide; Alkali metals; Strong oxidizing agents; Acids.



Gas Leak Locator

Product Code(s): GL 6 (475053)

SDS Preparation Date (mm/dd/yyyy): 11/25/2014

Page 5 of 10

## SAFETY DATA SHEET

### Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption

: NO

### Potential Health Effects:

#### Signs and symptoms of short-term (acute) exposure

##### *Sign and symptoms Inhalation*

: High concentrations of vapors or mists may cause coughing and mild, temporary irritation.

##### *Sign and symptoms ingestion*

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

##### *Sign and symptoms skin*

: May cause mild skin irritation.

##### *Sign and symptoms eyes*

: May cause mild irritation, redness and watering.

#### Potential Chronic Health Effects

: Prolonged or repeated skin contact may cause defatting and drying resulting in irritation and possible dermatitis.

#### Mutagenicity

: This product does not meet the criteria for germ cell mutagens under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012). Ethanol has been shown to cause mutagenic effects but at extremely high oral doses, which are not applicable in an occupational setting.

#### Carcinogenicity

: This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012). OSHA Classification: Carcinogenicity - Category 2  
Contains the following chemical rated as Group 2B by IARC: Coco diethanolamide

#### Reproductive effects

: This material is not classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012).

#### Senitization to material

: This material is not classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012). May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals. No data available to indicate product or components may be respiratory sensitizers.

#### Specific target organ effects

: This material is not classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012).

#### Medical conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

#### Toxicological data

: No data is available on the product itself. Contains no ingredients that are considered to have acute toxicity hazards. See below for individual ingredient acute toxicity data.



Gas Leak Locator

Product Code(s): GL 6 (475053)

SDS Preparation Date (mm/dd/yyyy): 11/25/2014

Page 6 of 10

### SAFETY DATA SHEET

Chemical name	LC <sub>50</sub> (4hr)	LD <sub>50</sub>	
	inh, rat	(Oral, rat)	(Rabbit, dermal)
Glycerin	>2.75 mg/L (mist)	27200 mg/kg	>18700 mg/kg
Sodium lauryl ether sulfate	N/Av	>2000 mg/kg	4600 mg/kg
Coconut diethanolamide	N/Av	> 5000 mg/kg	> 2000 mg/kg
Ethanol	> 32 380 ppm (>61mg/L) (vapor)	7060 mg/kg	> 15 800 mg/kg

**Other important toxicological hazards**

: None known.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** : No data is available on the product itself. See the following tables for individual ingredient ecotoxicity data.

**Ecotoxicity data:**

Ingredients	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Glycerin	56-81-5	51 - 57mg/L (Rainbow trout)	N/Av	None.
Sodium lauryl ether sulfate	9004-82-4	N/Av	N/Av	N/Av
Coconut diethanolamide	68603-42-9	3.6 mg/L (Zebra fish)	N/Av	None.
Ethanol	64-17-5	> 100 mg/L (Fathead minnow)	N/Av	None.

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Glycerin	56-81-5	1851 - 3068mg/L (Water flea)	N/Av	None.
Sodium lauryl ether sulfate	9004-82-4	N/Av	N/Av	N/Av
Coconut diethanolamide	68603-42-9	2.39 mg/L (Daphnia magna)	0.9 mg/L NOEC (Daphnia magna)	None.
Ethanol	64-17-5	5012 mg/L (Daphnia magna)	N/Av	None.

Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Glycerin	56-81-5	77712mg/L/96hr (Green algae)	N/Av	None.
Sodium lauryl ether sulfate	9004-82-4	N/Av	N/Av	N/Av
Coconut diethanolamide	68603-42-9	2.2 mg/L (Green algae)	N/Av	None.
Ethanol	64-17-5	1000 mg/L/96hr (Green algae)	N/Av	None.

**Persistence and degradability**

: No data is available on the product itself. All listed ingredients are considered to be readily biodegradable.

**Bioaccumulation potential**

: No data is available on the product itself. The active ingredients are not expected to bioaccumulate.



Gas Leak Locator

Product Code(s): GL 6 (475053)

SDS Preparation Date (mm/dd/yyyy): 11/25/2014

Page 7 of 10

## SAFETY DATA SHEET


**Mobility in soil** : No data is available on the product itself.

**Other Adverse Environmental effects** : No data is available on the product itself.

### SECTION 13. DISPOSAL CONSIDERATIONS

- Handling for Disposal** : Handle waste according to recommendations in Section 7.
- Methods of Disposal** : Improper disposal can cause damage to the environment. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
- RCRA** : It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

### SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	Not regulated	none	
<b>49CFR/DOT Additional information</b>	None.				

- Special precautions for user** : Appropriate advice on safety must accompany the package.
- Environmental hazards** : Although this product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code, this product does contain substances toxic for the environment. See ECOLOGICAL INFORMATION, Section 12.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : This information is not available.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Glycerin	56-81-5	Yes	N/Ap	N/Ap	No	N/Ap
Sodium lauryl ether sulfate	9004-82-4	Yes	N/Ap	N/Ap	No	N/Ap
Coconut diethanolamide	68603-42-9	Yes	N/Ap	N/Ap	No	N/Ap
Ethanol	64-17-5	Yes	N/Ap	N/Ap	No	N/Ap

SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Acute Health Hazard. Chronic Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.



Gas Leak Locator

Product Code(s): GL 6 (475053)

SDS Preparation Date (mm/dd/yyyy): 11/25/2014

Page 8 of 10

## SAFETY DATA SHEET

### US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Glycerin	56-81-5	No	N/Ap	No	Yes	Yes	Yes	Yes	Yes
Sodium lauryl ether sulfate	9004-82-4	No	N/Ap	No	No	No	No	No	No
Coconut diethanolamide	68603-42-9	Yes	Carcinogen	No	No	No	No	No	No
Ethanol	64-17-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes

### Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

### International Information:

Components listed below are present on the following International Inventory lists:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Glycerin	56-81-5	200-289-5	Present	Present	(7)-338; (2)-242	KE-29297	Present	Not listed
Sodium lauryl ether sulfate	9004-82-4	N/Av	Present	Present	(7)-120	KE-32427	Present	HSR003434
Coconut diethanolamide	68603-42-9	271-657-0	Present	Present	(8)-311	KE-03192	Present	HSR003347
Ethanol	64-17-5	200-578-6	Present	Present	(2)-202	KE-13217	Present	HSR001144

### SECTION 16. OTHER INFORMATION





Gas Leak Locator

Product Code(s): GL 6 (475053)

SDS Preparation Date (mm/dd/yyyy): 11/25/2014

Page 9 of 10

## SAFETY DATA SHEET

**Legend**

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CNS: Central Nervous System
- DOT: Department of Transportation
- EINECS: European Inventory of Existing Commercial chemical Substances
- ENCS: Existing and New Chemical Substances
- HMIS: Hazardous Materials Identification System
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- Inh: Inhalation
- IOC: Inventory of Chemicals
- KECI: Korean Existing Chemicals Inventory
- KECL: Korean Existing Chemicals List
- LC: Lethal Concentration
- LD: Lethal Dose
- MSHA: Mine Safety and Health Administration
- N/Ap: Not Applicable
- N/Av: Not Available
- NFPA: National Fire Protection Association
- NIOSH: National Institute of Occupational Safety and Health
- NOEC: No observable effect concentration
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible exposure limit
- PICCS: Philippine Inventory of Chemicals and Chemical Substances
- RCRA: Resource Conservation and Recovery Act
- RTECS: Registry of Toxic Effects of Chemical Substances
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- TWA: Time Weighted Average
- WHMIS: Workplace Hazardous Materials Identification System

**References**

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2014.
- 2. International Agency for Research on Cancer Monographs, searched 2014.
- 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2014 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - October 2012
- 6. California Proposition 65 List - 6 June 2014

**Preparation Date (mm/dd/yyyy)**  
 : 11/25/2014

**Other special considerations for handling**  
 : Provide adequate information, instruction and training for operators.

**HMIS Rating**  
 : \* - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

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*Health: \*1                      Flammability: 1                      Reactivity: 0*

**NFPA Rating**  
 0 - Minimal    1 - Slight    2 - Moderate    3 - Serious    4 - Severe

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*Health: 1            Flammability: 1            Instability: 0            Special Hazards: None.*



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206 Lange Drive  
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USA



Gas Leak Locator

Product Code(s): GL 6 (475053)

SDS Preparation Date (mm/dd/yyyy): 11/25/2014

Page 10 of 10

## SAFETY DATA SHEET

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<p><b><u>Prepared by:</u></b> ICC The Compliance Center Inc. <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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