


Issuing date	02/03/18
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Revision No.	1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING				
1.1 PRODUCT IDENTIFIER				
<b>Product Name:</b> Leak Detector		<b>Code:</b> NA	<b>Family:</b> NA	
<b>Ingredient Name:</b>	<b>EC number:</b>	<b>REACH registration number:</b>	<b>CAS number:</b>	<b>INCI Name:</b>
Ethylene glycol	203-473-3	N.A.	107-21-1	N.A.
Sodium lauryl ether sulfate	688-491-3	N.A.	9004-82-4	N.A.

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST	
<b>Identified uses:</b>	Gas leaks detection

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET	
<b>Manufacturer:</b>	Aztec Plumbing S.A. de C.V.
<b>Address:</b>	Rectángulos # 100. Arco Vial. Garcia, Nuevo León. 66023. Mexico
<b>For more information:</b>	+52 (81) 8121-0133 (M-F 8:00 a 17:30 h) / <a href="http://www.aztec-plumbing.com">www.aztec-plumbing.com</a>
<b>Emergency Phone Number</b>	+52 (81) 8121 0100

2. HAZARDS IDENTIFICATION	
2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	
<b>Physical hazards:</b>	Not Classified
<b>Health hazards:</b>	Acute toxicity: Category 5 Skin irritation: Category 3 Eye irritation: Category 2B Specific target organ toxicity - Single exposure: Category 1 Specific target organ toxicity - Repeated exposures: Category 1
<b>Environmental hazards:</b>	Not Classified

2.2 LABEL ELEMENTS	
<b>Pictograms:</b>	
<b>Signal word:</b>	Danger.
<b>Hazard statements:</b>	H303 Harmful if swallowed

	H316 Causes mild skin irritation H320 Causes eye irritation H370 Causes damage to organs (kidney) orally. H372 Causes damage to organs (kidney) through prolonged or repeated exposure.
<b>Precautionary statements:</b>	P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P308 + P313 IF exposed or concerned: Get medical advice/attention. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/attention

**2.3 OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION**

No available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical name or Family:</b>	Ethylene glycol
<b>Common name/ Synonyms:</b>	-
<b>%:</b>	Confidential
<b>REACH registration number:</b>	N.A.
<b>EC number:</b>	203-473-3
<b>CAS number</b>	107-21-1
<b>Chemical name or Family:</b>	Sodium lauryl ether sulfate
<b>Common name/ Synonyms:</b>	-
<b>%:</b>	Confidential
<b>REACH registration number:</b>	N.A.
<b>EC number:</b>	688-491-3
<b>CAS number</b>	9004-82-4

**4. FIRST AID MEASURES**
**4.1 DESCRIPTION OF FIRST AIDS**

<b>General advice:</b>	Avoid eyes and skin contact. Take off contaminated clothes
<b>Skin:</b>	Wash thoroughly with soap and water. If irritation develops, contact a physician.
<b>Eyes:</b>	Flush eyes with large amounts of water for 15 minutes. Consult a physician.
<b>Inhalation:</b>	Under normal conditions, it is not expected to generate vapor.
<b>Ingestion:</b>	Induce vomiting and get medical attention.
<b>Advice to physician:</b>	Treat according to presented symptoms and get medical attention.

**4.2 MOST IMPORTANT SYMPTIMS/EFFECTS**

<b>Skin:</b>	Cause a mild skin irritation
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<b>Eyes:</b>	Cause eye irritation.
<b>Inhalation:</b>	Not available.
<b>Ingestion:</b>	Central Nervous System depression (first 4 to 12 h) cardiopulmonary toxicity (12 to 24 h), renal toxicity (24 to 72 h)
<b>Delayed effects:</b>	If it is not treated before the first 24 hours, there may be permanent systemic damage.

**5. FIRE FIGHTING MEASURES**
**Flammable properties**

<b>Flash point:</b>	NA
<b>Flash point method:</b>	NA
<b>Autoignition temperature:</b>	NA
<b>Upper flame limit (volume % in air):</b>	NA
<b>Lower flame limit (volume % in air):</b>	NA

<b>Extinguishing media:</b>	NA
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<b>Unusual fire and explosion hazards:</b>	There are not unusual fire and explosion hazards.
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<b>Special firefighting precautions/instructions:</b>	NA
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**6. ACCIDENTAL RELEASE MEASURES**
**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE**

Always use the necessary protective equipment (See Section 8 for more information). Wash the spill area with water or absorb the spill with inert material such as dry sand and then place it in a chemical waste container.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using appropriate barriers.

**6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Wash the spill area with water or absorb the spill with inert material such as dry sand and then place it in a chemical waste container.






**7. HANDLING AND STORAGE**

<b>Normal handling:</b>	Always wear recommended personal protective equipment. Follow good manufacturing practices and personal hygiene.
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<b>Storage recommendations:</b>	Keep tightly closed in a clean and dry place.
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**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

<b>Control parameters</b>	No data available.
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<b>Engineering controls</b>	For handling and storage operations, the usual ventilation is adequate.	
<b>Skin protection:</b>	Latex and nitrile gloves.	
<b>Eye protection:</b>	Wear safety glasses or chemical goggles if eye contact may occur.	
<b>Respiratory protection:</b>	N/A	
<b>Additional recommendations:</b>	Wear non-skid shoes in case of spillage or leakage.	

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Blue liquid
<b>Odor:</b>	No odor
<b>Odor threshold:</b>	No odor
<b>pH:</b>	7-8
<b>Melting point/freezing point:</b>	8-20 °F (Melting point)
<b>Initial boiling point and boiling range:</b>	230-250 °F
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	Not available
<b>Flammability:</b>	Not applicable
<b>Upper/lower flammability or explosive limits:</b>	Not applicable
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Density and/or Relative density:</b>	1.05 g/mL
<b>Relative vapor density</b>	Not available
<b>Solubility(ies):</b>	Soluble in polar compounds, insoluble in non-polar compounds
<b>Partition coefficient n-octanol/water:</b>	Not available.
<b>Auto-ignition temperature:</b>	Not applicable

<b>Decomposition temperature:</b>	Not applicable
<b>Viscosity/ Kinematic viscosity:</b>	5-10 cP at 77 °F
<b>Explosive properties:</b>	Not applicable
<b>Oxidizing properties:</b>	Not applicable
<b>Molecular weight:</b>	Not applicable
<b>Characteristics of the particles:</b>	Not applicable
<b>Other information:</b>	-

**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	No data available for specific assays related to reactivity for this product
<b>Chemical stability:</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions:</b>	Under normal conditions of storage and use, the production of dangerous reactions is not expected.
<b>Conditions to avoid:</b>	NA
<b>Incompatibilities:</b>	NA
<b>Hazardous decomposition products:</b>	NA
<b>Hazardous polymerization</b>	Will not occur.

**11. TOXICOLOGICAL INFORMATION**

<b>Information on likely routes of exposure:</b>	Skin, eyes and ingestion are the main routes of exposure.
<b>Potential acute health effects</b>	<b>Eye contact:</b> Causes eye irritation. <b>Inhalation:</b> No data available. <b>Skin contact:</b> Causes mild skin irritation. <b>Ingestion:</b> May be harmful if swallowed.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	<b>Eye contact:</b> Causes eye irritation. <b>Inhalation:</b> No data available. <b>Skin contact:</b> Causes mild skin irritation. <b>Ingestion:</b> Due to the presence of ethylene glycol as a component of the product, severe poisoning with it can go through three stages: CNS depression, cardiopulmonary toxicity and renal toxicity.
<b>Delayed and immediate effects and also chronic effects from short and long term exposure</b>	<u>Short term exposure</u> Immediate and Delayed effects: Immediate and delayed effects: The presence of ethylene glycol can cause in case of accidental intake: CNS depression (4-12h), cardiopulmonary toxicity (12-24h) and renal toxicity (24-72h). <u>Long term exposure</u> Immediate and Delayed effects: Kidney toxicity

	Chronic health effects: CNS depression, cardiopulmonary toxicity and renal toxicity
<b>Acute toxicity</b>	Oral (Rats) LD50 >2000 mg/kg <sub>bw</sub>
<b>Skin corrosion/irritation</b>	Causes mild skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes eye irritation.
<b>Respiratory or skin sensitization</b>	No respiratory sensitization data. No skin sensitization is observed.
<b>Germ cell mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	No carcinogenic.
<b>Reproductive toxicity</b>	No data available.
<b>Specific target organ systemic toxicity- single exposure</b>	Causes kidney damage by mouth.
<b>Specific target organ systemic toxicity- repeated exposure</b>	Causes kidney damage by mouth.
<b>Aspiration toxicity</b>	No data available
<b>Numerical measures of toxicity</b>	No data available.
<b>Further information</b>	-

12. ECOLOGICAL INFORMATION	
<b>Toxicity</b>	No available
<b>Persistence and degradability</b>	No available
<b>Bioaccumulative potential</b>	No available
<b>Mobility in soil</b>	No available
<b>Other adverse effects</b>	-

13. DISPOSAL CONSIDERATIONS
<p><b>Disposal considerations:</b> Incinerate or landfill in accordance with current local, state and federal regulations. The information offered here is for the product as shipped. Use and/or alteration to the product such as mixing with other materials may significantly change the characteristics of the material and alter the GHS classification and the proper disposal method.</p>

14. TRANSPORT INFORMATION
<p>Transport in accordance with current local, state and federal regulations. The above product is not regulated by IATA and it is free to be transported by any means.</p> <p>For additional information on shipping regulations affecting this material, contact the information number found on the first.</p>

15. REGULATORY INFORMATION
<p>U.S. - TSCA Inventory: Listed</p>

Canada. -

Domestic Substances List (DSL): Listed

Europe. -

European Inventory of Existing Commercial Chemical Substances (EINECS): Listed

#### **16. OTHER INFORMATION**

The information is believed to be correct but is not exhaustive and is intended for guidance only, which is based on current knowledge of the chemical or mixture and is applicable to the appropriate safety precautions for the product.

Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.