

# Sherlock Leak Detector Type 1

## Safety Data Sheet

According to Federal Register/ Vol. 77, No.58/ Mon Mar 26, 2012/Rules & Regulations

According to Canadian Hazardous Products Regulation - January 29, 2015

Date of issue: Aug 10, 2015

Supersedes: July 10, 2015

Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Sherlock Leak Detector Type 1  
Product code : T1  
Other means of identification : Type 1

#### 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

Ratermann Manufacturing, Inc.  
601 Pinnacle Place  
Livermore, CA 94550

Telephone Number: 800-264-7793

#### 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

Classification (GHS-US, GHS-CA)

Not classified

WHMIS Classification

Non controlled product (WHMIS 1998)

GHS-US, GHS-CA labeling

No labeling applicable

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US/CA)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	CAS#	%	Classification (GHS)
No ingredients at hazardous levels to report	Not required	Not required	Not required

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Remove victim to fresh air. Allow the victim to rest.  
First-aid measures after skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with mild soap and water.

# Sherlock Leak Detector Type 1

## Safety Data Sheet

According to Federal Register/ Vol. 77, No.58/ Mon Mar 26, 2012/Rules & Regulations

According to Canadian Hazardous Products Regulation – January 29, 2015

- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Seek medical advice.

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

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

## 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. 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 procedures : Evacuate unnecessary personnel.
- 6.1.2. For emergency responders
- Protective equipment : Equip cleanup crew with proper 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 : Store in original container. Absorb and/or contain spill with inert material, 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 : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
- Handling temperature : > 35 °F (>1.6°C)
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from: Direct sunlight. Keep container closed when not in use. Try to reduce evaporation.
- Incompatible products : Strong bases, strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.
- Storage temperature : > 35 °F (>1.6°C)

# Sherlock Leak Detector Type 1

## Safety Data Sheet

According to Federal Register/ Vol. 77, No.58/ Mon Mar 26, 2012/Rules & Regulations

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### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

ACGIH Exposure Limits : Not established

OSHA Exposure Limits : Not established

### 8.2. Exposure controls

Appropriate engineering controls : Not necessary with sufficient ventilation.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Wear approved mask.

Other information : When using, do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear.

Color : yellow.

Odor : odorless

Odor threshold : No data available

pH : 6.9-7.5

Relative evaporation rate (butyl acetate=1) : No data available

Relative evaporation rate (water=1) : 1

Melting point : No data available

Freezing point : 32°F, 0°C

Boiling point : 212°F, 100 °C

Flash point : Not flammable.

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : 17.54 mm Hg

Relative vapor density at 20 °C : 1.1832 (air=1)

Relative density : 1.006 (water=1)

Solubility : Water: 100 %

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : 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.

# Sherlock Leak Detector Type 1

## Safety Data Sheet

According to Federal Register/ Vol. 77, No.58/ Mon Mar 26, 2012/Rules & Regulations

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### 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 acids, strong bases.

### 10.6. Hazardous decomposition products

Sulphur oxides, carbon oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Sherlock Leak Detector Type 1	
LD50 oral rat	> 10 ml/kg (Results obtained on a similar product) (0 deaths)
LD50 dermal rabbit	> 21.5 ml/kg (Results obtained on a similar product) (0 deaths)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)  
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)  
Respiratory or skin sensitization : Not classified (Based available data – skin, based on lack of information – respiratory)  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)  
Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)  
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 : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Not determined.

### 12.2. Persistence and degradability

Sherlock Leak Detector Type 1	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

Sherlock Leak Detector Type 1	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

Sherlock Leak Detector Type 1	
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.

# Sherlock Leak Detector Type 1

## Safety Data Sheet

According to Federal Register/ Vol. 77, No.58/ Mon Mar 26, 2012/Rules & Regulations

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Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

**DOT**

Not a dangerous good for transport

**TDG**

Not a dangerous good for transport

**Transport by sea**

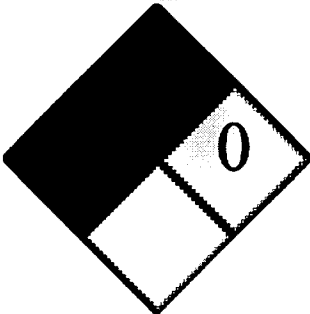
Not determined

**Air transport**

Not determined

### SECTION 15: Regulatory information

#### USA

Sherlock Leak Detector Type 1									
USA OSHA Hazard Communication Standard (According to Federal Register/ Vol. 77, No.58/ Mon Mar 26, 2012/Rules & Regulations)	Not classified as a hazardous product								
National Fire Protection Association® (NFPA®) Classification									
American Coatings Association (ACA) Hazardous Materials Identification System® (HMIS®) III Classification	<table border="1"> <tr> <td></td> <td>0</td> </tr> <tr> <td></td> <td>0</td> </tr> <tr> <td>Physical Hazard</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>X</td> </tr> </table>		0		0	Physical Hazard	0	Personal Protection	X
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#### CANADA

Sherlock Leak Detector Type 1	
WHMIS Classification	Non controlled product (WHMIS 1998)
WHMIS 2015 (According to Canadian Hazardous Products Regulation – January 29, 2015)	Not hazardous according to the Hazardous Products Regulations (WHMIS 2015)
	This product has been classified in accordance with the hazard criteria of the <b><i>Controlled Products Regulations</i></b> and the MSDS contains all the information required by the <b><i>Controlled Products Regulations</i></b> .

# Sherlock Leak Detector Type 1

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### SECTION 16: Other information

Indication of changes	: Addition of CHEMTREC Emergency number
Data sources	: GHS-US, GHS-CA classification parameters. References available upon request.
Other information	: None.
Date	: August 10, 2015

#### SDS USA and SDS Canada (GHS)

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