



## Safety Data Sheet

This safety data sheet complies with the requirements of: 2012 OSHA Hazard Communication Standard ( 29CFR 1910.1200)

**Product name** ANSULEX LPH R-102 LIQUID AGENT

### 1. Identification

#### 1.1. Product Identifier

**Product name** ANSULEX LPH R-102 LIQUID AGENT

#### 1.2. Other means of identification

**Product code** 079372  
**Synonyms** None  
**Chemical Family** No information available

#### 1.3. Recommended use of the chemical and restrictions on use

**Recommended use** Fire extinguishing agent.  
**Uses advised against** Consumer use.

#### 1.4. Details of the Supplier of the Safety Data Sheet

**Company Name** Tyco Fire Protection Products  
One Stanton Street  
Marinette, WI 54143-2542  
Telephone: 715-735-7411  
**Contact point** Product Stewardship at 1-715-735-7411  
**E-mail address** psra@tycofp.com

#### 1.5. Emergency Telephone Number

**Emergency telephone** CHEMTREC 001-800-424-9300 or 001-703-527-3887

### 2. Hazards Identification

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### 2.2. Label Elements

#### Hazard Statements

The product contains no substances which at their given concentration, are considered to be hazardous to health

#### Precautionary Statements

##### Prevention

Not Applicable.

##### Response

Not Applicable.

##### Storage

Not Applicable.



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**Disposal**

Not Applicable.

**2.3. Hazards Not Otherwise Classified (HNOC)**

Not Applicable.

**2.4. Other Information**

Unknown Acute Toxicity 50.25% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/information on Ingredients**

**3.1. Mixture**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

| Chemical name     | CAS No.  | weight-% |
|-------------------|----------|----------|
| Potassium Acetate | 127-08-2 | 15 - 40  |

**4. First aid measures**

**4.1. Description of first aid measures**

**Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact**

Wash skin with soap and water. Get medical attention if irritation develops and persists.

**Inhalation**

Remove to fresh air. If breathing is difficult, give oxygen. (Get medical attention immediately if symptoms occur.).

**Ingestion**

Rinse mouth. Do not induce vomiting without medical advice. If swallowed, call a poison control center or physician immediately.

**4.2. Most Important Symptoms and Effects, Both Acute and Delayed**

**Symptoms**

No information available.

**4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Note to physicians**

Treat symptomatically.

**5. Fire-fighting measures**

**5.1. Suitable Extinguishing Media**

Product is extinguishing agent. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**5.2. Unsuitable Extinguishing Media**

None.

**5.3. Specific Hazards Arising from the Chemical**

None known.

**Hazardous Combustion Products**

Carbon oxides, Nitrogen oxides (NOx), Oxides of sulfur



#### **5.4. Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### **5.5. Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **6. Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Ensure adequate ventilation, especially in confined areas.

**For emergency responders** Use personal protection recommended in Section 8.

#### **6.2. Environmental Precautions**

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

#### **6.3. Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Pick up and transfer to properly labeled containers.

### **7. Handling and Storage**

#### **7.1. Precautions for Safe Handling**

**Advice on safe handling** Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** Strong oxidizing agents. Strong acids. Strong bases.

### **8. Exposure Controls/Personal Protection**

#### **8.1. Control Parameters**

**Exposure guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### **8.2. Appropriate Engineering Controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**8.3. Individual protection measures, such as personal protective equipment**

|                                 |   |
|---------------------------------|---|
| <b>Eye/Face Protection</b>      | Avoid contact with eyes. Tight sealing safety goggles.  |
| <b>Skin and Body Protection</b> | Wear protective gloves and protective clothing.   |
| <b>Respiratory Protection</b>   | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| <b>Ventilation</b>              | Use local exhaust or general dilution ventilation to control exposure with applicable limits  |

**8.4. General hygiene considerations**

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and Chemical Properties****9.1. Information on basic physical and chemical properties**

|                       |                   |              |             |
|-----------------------|-------------------|--------------|-------------|
| <b>Physical State</b> | Liquid            | <b>Color</b> | Light green |
| <b>Odor</b>           | Acetic acid       |              |             |
| <b>Odor Threshold</b> | No data available |              |             |

| <u>Property</u>               | <u>Values</u>          | <u>Remarks • Method</u> |
|-------------------------------|------------------------|-------------------------|
| pH                            | 7.7 - 8.7              |                         |
| Melting point/freezing point  | No data available      |                         |
| Boiling point / boiling range | 100 °C / 212 °F        |                         |
| Flash Point                   | > 100 °C / > 212 °F    |                         |
| Evaporation Rate              | No data available      |                         |
| Flammability (solid, gas)     | No data available      |                         |
| Flammability limit in air     |                        |                         |
| Upper flammability limit:     | No data available      |                         |
| Lower flammability limit:     | No data available      |                         |
| Vapor Pressure                | No data available      |                         |
| Vapor Density                 | No data available      |                         |
| Specific gravity              | 1.33                   |                         |
| Water Solubility              | Soluble in water       |                         |
| Solubility in Other Solvents  | No data available      |                         |
| Partition coefficient         | No data available      |                         |
| Autoignition Temperature      | No data available      |                         |
| Decomposition Temperature     | No data available      |                         |
| Kinematic viscosity           | No data available      |                         |
| Density                       | 1.32 g/cm <sup>3</sup> |                         |

**10. Stability and Reactivity****10.1. Chemical Stability**

Stable under recommended storage conditions.

**10.2. Reactivity**



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No data available

### **10.3. Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### **10.4. Conditions to Avoid**

Extremes of temperature and direct sunlight.

### **10.5. Incompatible Materials**

Strong oxidizing agents. Strong acids. Strong bases.

### **10.6. Hazardous decomposition products**

Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur.

## **11. Toxicological Information**

### **11.1. Information on Likely Routes of Exposure**

|                            |                    |
|----------------------------|--------------------|
| <b>Product information</b> | No data available  |
| <b>Inhalation</b>          | No data available. |
| <b>Eye Contact</b>         | No data available. |
| <b>Skin contact</b>        | No data available. |
| <b>Ingestion</b>           | No data available. |

### **Acute Toxicity**

| <b>Chemical name</b>          | <b>Oral LD50</b>     | <b>Dermal LD50</b> | <b>Inhalation LC50</b> |
|-------------------------------|----------------------|--------------------|------------------------|
| Potassium Acetate<br>127-08-2 | = 3250 mg/kg ( Rat ) | -                  | -                      |

### **11.2. Information on Toxicological Effects**

**Symptoms** No information available.

### **11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|  |                           |
|--|---------------------------|
| <b>Skin Corrosion/Irritation</b>         | No information available. |
| <b>Serious eye damage/eye irritation</b> | No information available. |
| <b>Sensitization</b>                     | No information available. |
| <b>Germ Cell Mutagenicity</b>            | No information available. |
| <b>Carcinogenicity</b>                   | No information available. |
| <b>Reproductive Toxicity</b>             | No information available. |
| <b>STOT - Single Exposure</b>            | No information available. |
| <b>STOT - Repeated Exposure</b>          | No information available. |
| <b>Aspiration Hazard</b>                 | No information available. |

### **11.4. Numerical Measures of Toxicity - Product information**



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The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 10740 mg/kg

## 12. Ecological Information

### 12.1. Ecotoxicity

Not classified.

0.572% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical name                 | Algae/aquatic plants | Fish  | Crustacea                            |
|-------------------------------|----------------------|---|--------------------------------------|
| Potassium Acetate<br>127-08-2 | -                    | LC50 (96h) semi-static = 6800 mg/L<br>Oncorhynchus mykiss | EC50 (24h) = 7170 mg/L Daphnia magna |

### 12.2. Persistence and Degradability

No information available.

### 12.3. Bioaccumulation

No information available.

### 12.4. Other Adverse Effects

No information available

## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Do not reuse container.

## 14. Transport Information

**DOT** NOT REGULATED

**TDG** NOT REGULATED

**MEX** NOT REGULATED

**ICAO (air)** NOT REGULATED

**IATA** NOT REGULATED

**IMDG** NOT REGULATED

## 15. Regulatory Information

### 15.1. International Inventories

TSCA Complies



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|          |                 |
|----------|-----------------|
| DSL/NDSL | Complies        |
| ENCS     | Complies        |
| IECSC    | Complies        |
| KECL     | Complies        |
| PICCS    | Complies        |
| AICS     | Does not comply |

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**15.2. US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|                                   |    |
|-----------------------------------|----|
| Acute Health Hazard               | No |
| Chronic health hazard             | No |
| Fire Hazard                       | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard                   | No |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**15.3. US State Regulations**

**U.S. State Right-to-Know Regulations**

| Chemical name                  | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------|------------|---------------|--------------|
| Potassium nitrite<br>7758-09-0 | X          | -             | -            |

**16. Other information, including date of preparation of the last revision**

|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <b>NFPA</b> | Health Hazards 0 | Flammability 1 | Instability 0      | Physical and chemical properties - |
| <b>HMIS</b> | Health Hazards 0 | Flammability 1 | Physical Hazards 0 | Personal Protection X              |



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Revision date 05-Jul-2017

Revision note SDS sections updated, 15.

**Disclaimer**

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End of Safety Data Sheet