



## Safety Data Sheet

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006

**Product name** ANSULEX LOW pH LIQUID FIRE SUPPRESSANT

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

#### 1.1. Product Identifier

**Product code** 000065  
**Product name** ANSULEX LOW pH LIQUID FIRE SUPPRESSANT  
**Pure substance/mixture** Mixture

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Sold to the general public** No  
**Recommended use** Fire extinguishing agent

**Uses advised against** Consumer use

#### 1.3. 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

For further information, please contact

**E-mail address** psra@tycofp.com

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

*Regulation (EC) No 1272/2008*

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

#### 2.2. Label Elements

##### Product Identifier

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

##### Signal Word

None

EUH210 - Safety data sheet available on request

#### 2.3. Other Hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### SECTION 3: Composition/information on ingredients



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### 3.1 Substances

Not Applicable

### 3.2 Mixture

#### **Chemical nature**

Mixture of inorganic salts. aqueous solution.

Full text of H- and EUH-phrases: see section 16

## **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. (Get medical attention immediately if symptoms occur.).
<b>Skin contact</b>	Wash skin with soap and water. Get medical attention if irritation develops and persists.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without medical advice. If swallowed, call a poison control centre or physician immediately.

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

**Symptoms** Prolonged skin contact may defat the skin and produce dermatitis.

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

**Note to doctors** Treat symptomatically.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

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

#### **Unsuitable Extinguishing Media**

None

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

None known

#### **Hazardous Combustion Products**

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

### 5.3. Advice for firefighters



Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## **SECTION 6: Accidental release measures**

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

Ensure adequate ventilation, especially in confined areas.

Use personal protection recommended in Section 8.

### **6.2. 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 labelled containers.

### **6.4. Reference to other sections**

See section 8 for more information. See section 13 for more information.

## **SECTION 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.

#### **General hygiene considerations**

Do not eat, drink or smoke when using this product. 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.

### **7.3. Specific end use(s)**

#### **Specific Use(s)**

Fire extinguishing agent.

#### **Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Exposure Limits**

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



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Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

## 8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

Eye/Face Protection Avoid contact with eyes. Tight sealing safety goggles.  
Skin and Body Protection Suitable protective clothing.

Environmental exposure controls No information available.

## SECTION 9: Physical and chemical properties

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

Physical State	Liquid	Colour	Light green
Odour	Acetic acid		
Odour Threshold	No data available		

Property	VALUES	Remarks • Method
pH		No data available
Melting point/freezing point		No data available
Boiling point / boiling range	100 °C	
Flash Point	> 100 °C	
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
Vapour Pressure		No data available
Vapour Density		No data available
Specific gravity		No data available
Water Solubility		No data available
solubility(ies)		No data available
Partition coefficient		No data available
Autoignition Temperature		No data available
Decomposition Temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Explosive Properties	No data available	
Oxidising Properties	No data available	
density	1.32	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.



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## 10.2. Chemical stability

Stable under recommended storage conditions.

## 10.3. Possibility of hazardous reactions

### **Hazardous Polymerisation**

Hazardous polymerisation does not occur.

None under normal processing.

## 10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

## 10.5. Incompatible materials

Strong oxidising agents. Strong acids. Strong bases.

## 10.6. Hazardous decomposition products

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

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### **Acute Toxicity**

#### Product information

Product does not present an acute toxicity hazard based on known or supplied information.

#### Unknown Acute Toxicity

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.

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

**ATEmix (oral)** 10,740.00 mg/kg

<b>Skin Corrosion/Irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Sensitisation</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.

## **SECTION 12: Ecological information**



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### 12.1. Toxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6. Other adverse effects

No information available

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**Waste from Residues/Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Do not re-use container.

## **SECTION 14: Transport information**

### IMDG

14.1 UN/ID no	NOT REGULATED
14.2 Proper Shipping Name	NOT REGULATED
14.3 Hazard class	NOT REGULATED
14.4 Packing group	NOT REGULATED
14.5 Marine Pollutant	Not Applicable
14.6 Special Provisions	None
14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE	No information available

### RID

14.1 UN/ID no	NOT REGULATED
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14.2 Proper Shipping Name NOT REGULATED  
14.3 Hazard class NOT REGULATED  
14.4 Packing group NOT REGULATED  
14.5 Environmental Hazard Not Applicable  
14.6 Special Provisions None

**ADR**

14.1 UN/ID no NOT REGULATED  
14.2 Proper Shipping Name NOT REGULATED  
14.3 Hazard class NOT REGULATED  
14.4 Packing group NOT REGULATED  
14.5 Environmental Hazard Not Applicable  
14.6 Special Provisions None

**ICAO (air)**

14.1 UN/ID no NOT REGULATED  
14.2 Proper Shipping Name NOT REGULATED  
14.3 Hazard class NOT REGULATED  
14.4 Packing group NOT REGULATED  
14.5 Environmental Hazard Not Applicable  
14.6 Special Provisions None

**IATA**

14.1 UN/ID no NOT REGULATED  
14.2 Proper Shipping Name NOT REGULATED  
14.3 Hazard class NOT REGULATED  
14.4 Packing group NOT REGULATED  
14.5 Environmental Hazard Not Applicable  
14.6 Special Provisions None

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Germany**

Water hazard class (WGK) slightly hazardous to water (WGK 1)

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not Applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009** Not Applicable



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#### International Inventories

TSCA	Complies
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
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  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
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. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### **SECTION 16: Other information**

#### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Legend**

SVHC: Substances of Very High Concern for Authorisation:

#### **Legend SECTION 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Revision date 11-Jan-2017

Revision note Not Applicable.

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#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet