

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Trade name : FoamLok FL450  
 Product code : SF

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Insulation foams  
 Professional use  
 Consumer use  
 Recommended use : Insulation foams, Professional use, Consumer use

#### 1.3. Supplier

Manufacturer:  
 Lapolla Industries, Inc.  
 15402 Vantage Parkway East, Ste. 322  
 Houston, Texas 77032  
 Tel: +1 281 219 4100 , (877) 636-2648  
 Email: sds@lapolla.com  
 Email: sdsinfo@icynene-lapolla.com

#### 1.4. Emergency telephone number

Emergency number : CARECHEM (866) 928-0789

### SECTION 2: Hazard(s) identification

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

##### GHS-US classification

Skin corrosion/irritation, Category 2      Causes skin irritation.  
 Serious eye damage/eye irritation, Category 1      Causes serious eye damage.

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger  
 Hazard statements (GHS-US) : Causes skin irritation.  
 Causes serious eye damage.  
 Precautionary statements (GHS-US) : Wash hands thoroughly after handling.  
 Wear eye protection, protective clothing, protective gloves.  
 If on skin: Wash with plenty of water  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present  
 and easy to do. Continue rinsing.  
 Immediately call a doctor, a POISON CENTER  
 If skin irritation occurs: Get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
2-Propanol, 1-chloro-, phosphate (3:1)	(CAS-No.) 13674-84-5	37	Acute Tox. 4 (Oral), H302
1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl-	(CAS-No.) 6711-48-4	5.8	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:vapour), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318

Full text of hazard classes and H-statements: see section 16

## 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 : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Seek medical attention if ill effect or irritation develops.
- First-aid measures after skin contact : Rinse immediately with plenty of water for 15 minutes. Seek immediate medical advice.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse eye with clean water for 20-30 minutes, retracting eyelids often. Get immediate medical advice/attention.
- First-aid measures after ingestion : If accidentally swallowed obtain immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after inhalation : Overexposure may be irritating to the respiratory system.
- Symptoms/effects after skin contact : Causes skin irritation.
- Symptoms/effects after eye contact : Causes serious eye damage.
- Symptoms/effects after ingestion : May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Thermal decomposition can lead to the release of irritating gases and vapors. Toxic and corrosive vapors may be released.
- Explosion hazard : No direct explosion hazard.
- Reactivity : No dangerous reactions known under normal conditions of use.

### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protective equipment for firefighters : 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

- General measures : Stop leak if safe to do so.

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel. Wear recommended personal protective equipment.

#### 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.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For disposal of residues refer to section 13: "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapor. Avoid all unnecessary exposure. Avoid contact with skin and eyes.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

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

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.

Incompatible materials : Strong acids. Strong bases.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)

Not applicable

#### 1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl- (6711-48-4)

Not applicable

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure adequate ventilation. Provide local exhaust or general room ventilation to minimize vapor concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Chemical goggles or face shield

#### Skin and body protection:

Long sleeved protective clothing

#### Respiratory protection:

Where excessive vapor, mist, or dust may result, use approved respiratory protection equipment

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Color : white

Odor : characteristic

Odor threshold : No data available

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pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.1
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No polymerization. No dangerous reactions known.

### 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

No hazardous decomposition products known at room temperature. Thermal decomposition can lead to the release of irritating gases and vapors. Toxic and corrosive vapors may be released.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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

<b>2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)</b>	
LD50 oral rat	930 - 1550 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 5.05 mg/l/4h
<b>1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl- (6711-48-4)</b>	
LD50 oral rat	1250 - 1600 mg/kg
ATE US (vapors)	3 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. In vitro test data on mixture itself
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Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
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)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-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)
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: Overexposure may be irritating to the respiratory system.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)	
LC50 fish 2	180 mg/l (Exposure time: 96 h - Species: Leuciscus idus [static])
EC50 other aquatic organisms 2	4 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)

### 12.2. Persistence and degradability

LDC50v2.7.3	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

LDC50v2.7.3	
Bioaccumulative potential	Not established.

2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)	
BCF fish 1	1.9 - 4.6
Log Pow	2.59

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated

### Transportation of Dangerous Goods

Not regulated

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### Transport by sea

Not regulated

### Air transport

Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### 2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl- (6711-48-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### 2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)

Listed on the Canadian DSL (Domestic Substances List)

#### 1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl- (6711-48-4)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

#### 2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### 1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl- (6711-48-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### National regulations

#### 2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on Turkish inventory of chemical  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

#### 1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl- (6711-48-4)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on Turkish inventory of chemical  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

### 15.3. US State regulations

Component	State or local regulations
2-Propanol, 1-chloro-, phosphate (3:1)(13674-84-5)	
1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl-(6711-48-4)	

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### SECTION 16: Other information

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Revision date : 15 June 2018

Other information : None.

Full text of H-statements:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.

SDS US (GHS HazCom 2012)

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