

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture  
Product name : FILZYM A7  
Product code : LIQ0388M

### 1.2. Recommended use and restrictions on use

No additional information available

### 1.3. Supplier

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[info@realzyme.com](mailto:info@realzyme.com) - [www.realzyme.com](http://www.realzyme.com)

### 1.4. Emergency telephone number

Emergency number : +1- 800 - 222 - 1222 (United States only) 011-32-70-245-245 (Canada and all other areas)

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS-US classification

Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage

Full text of H statements : see section 16

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

#### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : H318 - Causes serious eye damage  
Precautionary statements (GHS-US) : P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a poison center/doctor/...

### 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

### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Amines, coco alkyltrimethyl, N-oxides	(CAS-No.) 61788-90-7	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400

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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	: If on skin, take off contaminated clothing. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation	: Cough.
Symptoms/effects after skin contact	: Redness. Repeated or prolonged skin contact may cause irritation.
Symptoms/effects after eye contact	: Redness, pain. Blurred vision. Serious damage to eyes.
Symptoms/effects after ingestion	: Abdominal pain, nausea.

#### 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	: All extinguishing media allowed. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: None.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Not combustible.
Explosion hazard	: Product is not explosive.
Reactivity	: Stable in use and storage conditions as recommended in item 7.

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

Precautionary measures fire	: Wear proper protective equipment. Exercise caution when fighting any chemical fire.
Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

General measures	: Ensure adequate ventilation.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Personal protection. See Heading 8.
Emergency procedures	: Ventilate spillage area. Evacuate area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. See Heading 8. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Mark the danger area. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

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

For containment	: Dike for recovery or absorb with appropriate material.
Methods for cleaning up	: Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dilute residue with water.
Other information	: Spill area may be slippery. Dispose of materials or solid residues at an authorized site.

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### 6.4. Reference to other sections

See Heading 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Storage conditions : Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
- Storage temperature : 4 - 25 °C
- Special rules on packaging : Do not store in corrodable metal.
- Packaging materials : PEHD.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Amines, coco alkyldimethyl, N-oxides (61788-90-7)

Not applicable

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure adequate air ventilation. Ensure good ventilation of the work station.
- Environmental exposure controls : Prevent entry to sewers and public waters. Avoid release to the environment. Avoid release to the environment.

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

#### Personal protective equipment:

Safety glasses.

#### Hand protection:

In case of repeated or prolonged contact wear gloves. (EN 134)

#### Eye protection:

Chemical goggles or safety glasses. Eye protection (standard EN 166). Safety glasses

#### Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use.

#### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation



#### Thermal hazard protection:

Not applicable.

#### Other information:

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. The equipment must be cleaned thoroughly after each use.

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### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Colourless
Odour	: characteristic
Odour threshold	: Not determined
pH	: 7 - 7.8
Melting point	: The product has not been tested
Freezing point	: The product has not been tested
Boiling point	: The product has not been tested
Flash point	: The product has not been tested
Relative evaporation rate (butylacetate=1)	: The product has not been tested
Flammability (solid, gas)	: Not applicable Not applicable.
Vapour pressure	: The product has not been tested
Relative vapour density at 20 °C	: The product has not been tested
Relative density	: 0.95 - 1.05
Solubility	: Material highly soluble in water.
Log Pow	: The product has not been tested
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
Viscosity, kinematic	: The product has not been tested
Viscosity, dynamic	: The product has not been tested
Explosive limits	: No data available
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.

#### 9.2. Other information

Additional information : None

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable in use and storage conditions as recommended in item 7.

#### 10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

#### 10.3. Possibility of hazardous reactions

None under normal conditions.

#### 10.4. Conditions to avoid

Do not store in aluminium, galvanized or other corrodable containers.

#### 10.5. Incompatible materials

Acids.

#### 10.6. Hazardous decomposition products

None under normal conditions.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH: 7 - 7.8
Serious eye damage/irritation	: Causes serious eye damage. pH: 7 - 7.8
Respiratory or skin sensitisation	: Not classified

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: Cough.
Symptoms/effects after skin contact	: Redness. Repeated or prolonged skin contact may cause irritation.
Symptoms/effects after eye contact	: Redness, pain. Blurred vision. Serious damage to eyes.
Symptoms/effects after ingestion	: Abdominal pain, nausea.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

#### **Amines, coco alkyldimethyl, N-oxides (61788-90-7)**

Additional ecotoxicological information	LC50, Fish, acute, Danio rerio: 10-100 mg/l (96 Hours, (OECD 203)) EC50, daphnia, Daphnia magna: 4.4 mg/l (48 Hours, (US-EPA)) EC50, algae, Pseudokirchneriella subcapitata: 0.11 mg/l (96 Hours, (US-EPA)) EC50, Bacteria, Pseudomonas putida: 190 mg/l (16 Hours, (DIN 38412 part 8))
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#### 12.2. Persistence and degradability

#### **Amines, coco alkyldimethyl, N-oxides (61788-90-7)**

Persistence and degradability	Biodegradable.
Biodegradation	> 80 % (OECD 302 B)

#### 12.3. Bioaccumulative potential

#### **FILZYM A7**

Log Pow	The product has not been tested
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#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
GWPmix comment : No known effects from this product.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Remove to an authorized waste treatment plant. Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : May be discharged to wastewater treatment installation.  
Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point. WHEN TOTALLY EMPTY, containers are recyclable like any other packing.  
Ecology - waste materials : Avoid release to the environment. Collect all waste in suitable and labelled containers and dispose according to local legislation.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not applicable

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### Transportation of Dangerous Goods

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

Revision date : 04/09/2015

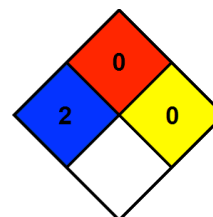
Full text of H-statements:

H315	Causes skin irritation
H318	Causes serious eye damage
H400	Very toxic to aquatic life

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



SDS US (GHS HazCom 2012)

*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*