

### Section 1: Name of the substance and information on the manufacturer

#### 1.1 product identifier

Chemical Type: viscous fluid  
Trade name: BETOMIX-ITH Gel

#### 1.2 Product Areas

Fields of application: concrete and reinforced concrete water proofing

#### 1.3. Detailed information on the supplier in the safety data sheet

Institute of Technical Chemistry of Ural Branch of RAS,  
Perm, Ak. Korolev St., 3, RUSSIA, 614068,  
Phone:+7 (342) 237-82-90  
e-mail: [info@itcras.ru](mailto:info@itcras.ru)

#### 1.4. Emergency phone number

Country	Consultative body, enterprise	The address	Emergency telephone
Russia	Institute of Technical Chemistry of Ural Branch of RAS	Perm, Ak. Korolev St., 3, RUSSIA, 614013	+7 (342) 237-82-90 +7 912-061-04-50

### Section 2: Hazard Identification

#### 2.1 Classification of a substance or mixture

*Classification In Accordance With GHS (5th Edition)*

Skin Irrit. 2: H315	Causes skin irritation.
Eye Dam. 1: H318	Causes serious eye damage.
Skin Sens. 1: H317	May cause an allergic skin reaction.
STOT SE 3: H335	May cause respiratory irritation.

#### 2.2 Label elements

In Accordance with GHS (5th Edition)



**DANGER**

#### 2.3 Hazard statements

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.

#### 2.4 Precautionary statements

- P280 Wear protective gloves / protective clothing / eye protection / face protection & approved duct masks.
- P264 Wash thoroughly after handling.

#### 2.5 Responsiveprecautionary statements

- P264 Wash thoroughly after handling
- P280 Wear protective gloves / protective clothing / eye protection / face protection.
- P305 + P351 + P338 IF IN EYES: Remove contact lenses if any. Rinse cautiously with water for several minutes.
- P310 Immediately call a POISON CENTRE or doctor / physician.

### SECTION 3: Composition (information on components)

#### 3.1 Substances

Not applicable

#### 3.2 mixtures

Title	Product id	%
Deionized water	CAS-No: 7732-18-5	65-90%
GRT-18	Trade Secret	10-35%
Soluble fluorescein	CAS No: 518-47-8	< 1%

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

First aid after skin contact:	Wash the exposed area with cool, clean water
First aid after eye contact:	Remove contact lenses if any. Rinse immediately and thoroughly with water, keeping your eyes wide open.
First aid after swallowing:	Wash out mouth with water. Give plenty of water to drink. Get immediate medical attention.

#### 4.2. Most important acute or delayed symptoms and effects

No additional information

#### 4.3 Indications for immediate medical attention or specialized treatment

Symptomatic treatment

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

BETOMIX-ITH Gel is not flammable and explosive.

#### 5.2 Special hazards arising from the product

BETOMIX-ITH Gel poses no special hazards.

#### 5.3 Firefighting instructions

Fire defense: no special measures for firefighting are required

### SECTION 6: Measures to prevent and eliminate emergency and emergency situations and their consequences

#### 6.1. Personal precautions

##### 6.1.1 personnel not trained in emergency situations

Emergency events: Use protective clothing as referred in Section 8. Avoid contact with skin and eyes.

##### 6.1.2 Rescue services

Protective equipment: Recommended personal protective equipment. Wear appropriate protective clothing, gloves and goggles or a face mask.

#### 6.2. Environmental measures

Do not allow product into drains and water courses.

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

To limit distribution: Collect spilled material using wipe or a pump in a container.  
Cleaning methods: Clean up the rest of the material with a wipe.  
The collected product shall not be used for its intended purpose if it has been contaminated with foreign materials.

#### 6.4. Link to other sections

See section 13 for more information.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Precautions for safe handling:	Provide good ventilation in the workplace. Use personal protective equipment. Avoid contact with skin from prolonged and repeated contact.
Hygiene measures:	Do not eat, drink or smoke when handling or applying the product. Always wash your hands after handling the product.

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

Technical Activities:	Comply with applicable law. Open containers to prevent spillage must be properly sealed and upright. Provide adequate ventilation, especially indoors.
Storage conditions:	Keep container tightly sealed in a well-ventilated area.
Incompatible Products:	Strong acids. Strong bases. Strong oxidizing agents.
Incompatible conditions:	Extremely high temperatures.
Sources of heat and ignition:	The product is not flammable and explosive. No special measures are required.
Mixed Storage Information:	Keep the product away from food, drinks and animal feed.

#### 7.3. Specific End Use Applications

Lack of detailed information.

### SECTION 8: Exposure controls / Personal protection

#### 8.1. Control parameters

P401 Store in original containers.

#### 8.2. Limitation and control of exposure

Appropriate technical controls:	It does not require special or specific measures. Follow the general safety and industrial hygiene rules.
Hand protection:	Protective gloves EN 374
Eye protection:	Protective glasses. Wear safety glasses in place if excessive dust EN 166
Skin and body protection:	Wear appropriate protective clothing.
Respiratory protection:	Use appropriate respiratory protection in case of insufficient ventilation.
Environmental impact control:	Avoid release to the environment.

### SECTION 9: Physical and chemical properties

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

State of aggregation:	Viscous fluid
Colour:	Yellow-green
Smell:	Faint smell
Odor threshold:	No data available
pH:	9.5
Relative evaporation rate (butyl acetate = 1):	No data
Melting/Freezing point:	No data available
Boiling point:	No data available
Auto ignition temperature:	Not applicable
Decomposition temperature:	100C
Flammability (solid, gas):	Not flammable
Relative vapor density at 20C:	No data available
Relative density:	1.1 g / cm <sup>3</sup>
Solubility:	Gel is soluble in water
Explosive properties:	The product is not explosive
Oxidizing properties:	The product does not pose a risk of oxidation

### 9.2 Other information

No additional information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product is of normal use and does not react during storage and transportation conditions.

### 10.2. Chemical stability

It is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions are known under normal conditions of use.

### 10.4 Conditions to Avoid

Avoid humid environments during storage.

### 10.5 Incompatible materials

Strong acids.

### 10.6 Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1 Toxicological information

Acute toxicity: Not classified

BETOMIX-ITH Gel	
Rabbit dermal LD50	> 2,000 mg / kg
Rat oral LD50	> 2,000 mg / kg

Eye irritation: Direct contact with product may cause corneal damage by mechanical stress, immediate or delayed irritation. Direct contact either in dry or wet form may cause effects ranging from moderate eye irritation to chemical burns.

Sensitization: Prolonged and repeated skin contact with Alkaline earth products may cause dermatitis.

Mutagenicity : None of the individual substances in this mixture are classified as mutagenic.

Carcinogenicity: This product contains silica sand and this form of silica is not classified as carcinogenic due to its large particle size.

Reproductive toxicity: None of the individual substances in this mixture are classified as reproductive toxicants.

## SECTION 12: Environmental impact

### 12.1 Toxicity

Ecology: Do not allow the material to enter water course. If water is contaminated inform the relevant authorities immediately. The addition of a significant amount of cementitious products to water may cause a rise in the pH value and therefore may be toxic to aquatic life under certain circumstances.

Acute aquatic toxicity: Not classified

Chronic aquatic toxicity: Not classified

### 12.2. Degradability

No additional information

### 12.3 Bioaccumulative potential

BETOMIX-ITH Gel	
Bioaccumulation potential	None of the substances in this mixture are known to bioaccumulate.

### 12.4 Mobility in the soil

#### BETOMIX-ITH Gel

Soil mobility:	Not known.
----------------	------------

### 12.5. The results of the assessment of the characteristics of sustainability, biological accumulation and toxicity

This mixture does not contain any substances that are assessed to be PBT or vPvB.

### 12.6 Other adverse effects

Other side effects: No additional information

## Part 13: Disposal considerations

### 13.1 Waste treatment methods

Waste treatment technology: *Product – Unused Residue*  
Wipe or pump up and put in containers. Dispose of all materials in accordance with current local regulations / legislation. Avoid entry into sewage and drainage systems or into bodies of water.

## SECTION 14: Transport information

The product is not classified as hazardous for transport purposes.

## SECTION 15: Regulatory Information

### 15.1. Safety, health and environmental regulations / specific legal requirements for the substance or mixture

#### 15.1.1. EC regulations

Lack of detailed information

#### 15.1.2. National regulations

Lack of detailed information

#### 15.1.3. Substance safety assessment

Lack of detailed information

## SECTION 16: Additional information

Date of issue: 11.11.2014

Revision date: 21.11.2018

Other information: **DISCLAIMER** The information in this form of safety information was obtained from sources that, in our opinion, are reliable in July. However, they are offered without express or implied warranty of their accuracy. The conditions or methods of processing, storage, use or disposal of the product are beyond our control and may not be within our knowledge. For these and similar reasons, we disclaim liability for any loss or damage that may result from the processing, storage, use or disposal of the product. This safety newsletter is for the use of this product only. If the product is used as a component in another product, the information in this form of safety information may not be valid.

*This information is based on our current knowledge and product health only, is intended to be defined in terms of safety and environmental requirements. Therefore, this should not be construed as a guarantee of any particular product characteristics.*